NOTICE

All drawings located at the end of the document.

Phase I RFI/RI Work Plan

Solar Evaporation Ponds Operable Unit No. 4 Volume II

EG&G ROCKY FLATS

Manual No. 21100-WP-OU 4.01

ADMIN RECORD

APPENDIX A

ENGINEERING AND CONSTRUCTION DRAWINGS

- Location maps of Original Process Waste Lines and underground utilities
- As built Interceptor Trench System diagrams
- Solar Pond area engineering drawings and as built diagrams
- Site utility plans

APPENDIX B

SUBSURFACE GEOLOGIC DATA
SOLAR PONDS AREA

- Tabulated subsurface borehole data
- Boring logs

ROCKY FLATS SOLAR POND SUBSURFACE DATA - SORTED BY WELL

WELL NAME	STATE NORTH	STATE EAST	SURFACE ELEVATION	TD.	TD. ELEVATION	TYPE ALLUVIUM	THICK ALLUVIUM	EL. TOP BEDROCK	SUB. ALLUV. FORMATION	SUB. ALLUV. LITHOLOGY	GRAIN SIZE (mm)	GRAIN SIZE DEPTH
1386	751869	2086055	5837.2	16	5821.7	Qaf	9	5828.2	Ka	CLYSTN		
1486	751868	2085841	5844.7	75	5770.2	Qal	11	5833.7	Ka	CLYSTN SILTY		
1586	751865	2085815	5845.6	18	5827.6	Qal	12.5	5833.1	Ka	CLYSTN SILTY		
1686	751762	2085263	5864.7	64	5800.7	Qc	7	5857.7	Ka	CLYSTN		
1786	751754	2085245	5865.3	20	5845.3	Qc	12.5	5852.8	Ka	CLYSTN		
1886	751534	2085834	5882.8	11	5872.3	Qd	8	5874.8	Ka	CLYSTN SILTY		
1986	750943	2083298	5931.2	17	5914.7	Qc	11.5	5919.7	Ka	CLYSTN		
2086	751112	2084358	5960.5	22	5938.5	Qc	12.5	5948.0	Ka	CLYSTN		
2286									Ka	SS #1	0.075	16-18
2286	750737	2084412	5976.8	26	5950.8	Qd/Qrf	11	5965.8	Ka	SS #1	0.009	10-12
2386	750357	2084259	5981.2	131	5850.7	Qd/Qrf	8.2	5973.0	Ka	CLYSTN		
2486	750357	2084277	5980.5	12	5968.5	Qd/Qrf	7.2	5973.3	Ka	CLYSTN		
2586	750428	2084831	5974.5	90	5884.8	Qd/Qrf	13	5961.5	Ka	CLYSTN SANDY		
2586A			5974.5	98	5876.5		12.5	5962.0	Ka	CLYSTN		
2686	750428	2084841	5974.5	17	5957.5	Qd/Qrf	10.5	5964.0	Ka	CLYSTN		
2786	750796	2085239	5961.9	157	5804.9	Qd/Qrf	11	5950.9	Ka	CLYSTN		
2886	750818	2085241	5961.2	16	5945.7	Qd/Qrf	8.5	5952.7	Ka	CLYSTN		
2986	750612	2085688	5958.3	23	5935.8		8.5	5949.8	Ka	CLYSTN		
3086	751094	2084924	5956.2	16	5940.2	Qd/Qrf	2.5	5953.7	Ka	CLYSTN		
3186									Ka	SS #1	0.08	2-4
3186	751068	2085269	5964.2	22	5942.2	Qd/Qrf	0.5	5963.7	Ka	SS #1	0.022	2.5
3186									Ka	SS #1	N/A	13-14.5
3286	750638	2084423	5964.5	135	5829.5	Qd/Qrf	1	5963.5	Ka	SS #1	0.086	2-4
3787	750494	2085224	5967.0	13	5954.0	Qd/Qrf	8	5959.0	Ka	CLYSTN		
3887	750357	2085125	5971.8	15	5956.6	Qd/Qrf	7.8	5964.0	Ka	CLYSTN		
3987BR	751080	2085269	5947.1	138	5809.1		3.5	5943.6	Ka	CLYSTN		
5687	750638	2084423	5978.5	13	5965.1	Qd/Qrf	9.4	5969.1	Ka	CLYSTN SILTY		
B208089	751143	2085876	5935.4	22	5913.2	Qc	12.2	5923.2	Ka	CLYSTN		

WELL NAME	STATE NORTH	STATE EAST	SURFACE ELEVATION	TD.	TD. ELEVATION	TYPE ALLUVIUM	THICK ALLUVIUM	EL. TOP BEDROCK	SUB. ALLUV. FORMATION	SUB. ALLUV. LITHOLOGY	GRAIN SIZE (mm)	GRAIN SIZE DEPTH
B208189	751138	2085885	5935.4	33	5902.9	Qc	11	5924.4	Ka	CLYSTN		
B208289	751739	2086289	5850.7	19	5831.7	Qc	0.2	5850.5	Ka	CLYSTN		
B208389	751687	2085584	5876.8	16	5860.5	Qc	0.2	5876.6	Ka	CLYSTN		
B208489	751683	2085636	5876.3	33	5843.1	Qc	15.5	5860.8	Ka	CLYSTN		
B208589	751804	2085477	5856.5	14	5842.1	Qal	3.6	5852.9	Ka	CLYSTN		
B208689	751728	2085250	5867.6	28	5839.2	Qal	7.4	5860.2	Ka	CLYSTN SILTY		
B208789	751755	2084450	5907.1	14	5892.7	Qal	4.5	5902.6	Ka	CLYSTN		
B210389	751696	2085116	5873.2	29	5844.7	Qc	8.6	5864.6	Ka	CLYSTN SILTY		
B210489	751802	2085513	5856.4	28	5828.3	Qc	7	5849.4	Ka	CLYSTN SANDY		
B213789	750538	2086677	5917.8	10	5908.2	Qrf	6.4	5911.4	Ka	SS CLAYEY		
P207389	750195	2084468	5981.0	23	5957.7	Qrf	7	5974.0	Ka	CLYSTN		
P207489	750197	2084481	5980.7	10	5970.7	Qrf	6.5	5974.2	Ka	CLYSTN		
P207589	750395	2084843	5974.1	29	5945.0	Qrf	9.5	5964.6	Ka	CLYSTN SILTY		
P207689	750398	2085318	5966.3	18	5948.1	Qrf	12.6	5953.7	Ka	CLYSTN SILTY		
P207789	750392	2085343	5965.9	32	5933.6	Qrf	12.9	5953.0	Ka	CLYSTN SILTY		
P207889	750671	2085343	5962.8	11	5952.3	Qrf	8.5	5954.3	Ka	CLYSTN		
P207989	750671	2085330	5963.1	26	5936.9	Qrf	5.8	5957.3	Ka	CLYSTN		
P208889	751086	2085249	5947.3	105	5842.2	Qc	5.5	5941.8	Ka	CLYSTN		
P208989	751044	2084839	5962.5	29	5933.9	Qrf	3.5	5959.0	Ka	CLYSTN SILTY		
P209089	750566	2084910	5972.2	32	5940.7	Qrf	11.5	5960.7	Ka	CLYSTN SILTY		
P209189	750762	2084309	5980.7	38	5942.4	Qrf	10.3	5970.4	Ka	SS #1		
P209289	750863	2084139	5981.6	18	5963.8	Qrf	13.8	5967.8	Ka	SS #1		
P209389	750864	2084130	5981.5	34	5947.3	Qrf	13.8	5967.7	Ka	SS #1		
P209489	750991	2084634	5978.0	48	5930.0	Qrf	9	5969.0	Ka	CLYSTN		
P209589	751071	2085286	5948.2	30	5917.9	Qrf	4.1	5944.1	Ka	CLYSTN SILTY		
P209689	750533	2085514	5962.6	30	5932.4	Qrf	12.2	5950.4	Ka	CLYSTN SILTY		
P209789	750579	2085481	5962.6	18	5945.1	Qrf	12.2	5950.4	Ka	CLYSTN SILTY		
P209889	751194	2084984	5940.3	24	5916.4	Qrf	3.9	5936.4	Ka	CLYSTN SILTY		

WELL NAME	STATE NORTH	STATE EAST	SURFACE ELEVATION	TD.	TD. ELEVATION	TYPE ALLUVIUM	THICK ALLUVIUM	EL. TOP BEDROCK	SUB. ALLUV. FORMATION	SUB. ALLUV. LITHOLOGY	GRAIN SIZE (mm)	GRAIN SIZE DEPTH
P209989	751565	2084649	5898.1	12	5886.1	Qc	7.6	5890.5	Ka	CLYSTN SILTY		
P210089	751564	2084639	5898.4	28	5870.4	Qc	7.2	5891.2	Ka	CLYSTN SILTY		
P210189	750751	2084411	5980.8	39	5942.2	Qrf	14.6	5966.2	Ka	SS SANDY CLAYEY		
P210289	750564	2085223	5967.0	26	5941.0	Qrf	6.6	5960.4	Ka	CLYSTN SILTY		
P213889	750466	2086109	5954.1	32	5922.3	Qrf	8	5946.1	Ka	SS #1	0.14	7.8-9.8
P218089	749941	2084020	5985.8	16	5969.8	Qrf	6	5979.8	Ka	CLYSTN		
P218389	750831	2085648	5956.2	22	5934.2	Qrf	12	5944.2	Ka	CLYSTN		
P219089	751127	2084117	5949.1	20	5929.1	Qrf	10.4	5938.7	Ka	CLYSTN SILTY		
P219189	751222	2084010	5941.2	21	5920.2	Qrf	11	5930.2	Ka	CLYSTN		
P219489	750415	2085651	5959.5	32	5927.5	Qrf	22.4	5937.1		CLYSTN		
P219589	750268	2085536	5963.8	17	5947.1	Qrf	17.2	5946.6		SS #1		
SP0187									Ka	SS #1	EST. .045	28
SP0187	750790	2084310	5982.7	30	5952.5	Qaf/Qrf	13.2	5969.5	Ka	SS #1	0.095	19
SP0287	750970	2084640	5976.6	15	5961.6	Qaf/Qrf	10.5	5966.1	Ka	SS #1	0.077	12
SP0387	750480	2084630	5978.7	20	5959.0	Qaf/Qrf	13	5965.7	Ka	CLYSTN		
SP0487	750560	2084920	5971.8	37	5934.8	Qd/Qrf	12	5959.8	Ka	CLYSTN		
SP0587	750870	2084910	5971.6	22	5949.8	Qd/Qrf	16.3	5955.3	Ka	CLYSTN		
SP0687	750900	2085200	5972.9	31	5942.2	Qaf/Qrf	18	5954.9	Ka	CLYSTN		
SP0787	750471	2085200	5973.6	31	5942.6	Qaf/Qrf	20.8	5952.8	Ka	CLYSTN		
SP0987	751145	2084975	5945.0	11	5934.0	Qd/Qc	6.8	5938.2	Ka	CLYSTN		
SP1087	751190	2084580	5941.0	28	5913.3	Qd/Qc	4	5937.0	Ka	CLYSTN SILTY		
SP1187	751585	2084450	5904.5	34	5870.5	Qd/Qc	21.5	5883.0	Ka	SS #2		
SP1287	N/A	N/A	5893.0	47	5846.5	Qd/Qc	26.5	5866.5	Ka	CLYSTN		
SP1387	N/A	N/A	5925.0	17	5908.5	Qd/Qc	2.7	5922.3	Ka	CLYSTN SILTY		
SP1487	751620	2085430	5890.0	7	5883.0	Qd/Qc	3.2	5886.8	Ka	CLYSTN		
SP1587	751270	2085770	5927.0	20	5907.5	Qd/Qc	14.9	5912.1	Ka	CLYSTN		

ROCKY FLATS SOLAR POND SUBSURFACE DATA - SORTED BY WELL

	Ka SS #1	Ka SS #1	Ka SS #1	Ka SS #1	Ka SS #2	Ka SS #2	Ka SS #2
	Strat. Eqv.	Strat. Eqv.	GRAIN SIZE	GRAIN SIZE	Strat. Eqv.	Strat. Eqv.	GRAIN SIZE
WELL NAME	ELEVATION	THICK.	% > 200/230 SIEVE	DEPTH	ELEVATION	THICK.	% > 200/230 SIEVE
1386							
1486							
1586							
1686							
1786							
1886							
1986							
2086							
2286	5965.81	7	50	16-18			
2286	5965.81	7	22	10-12			
2386							
2486							
2586					5898.65	4.9	4
2586A					5905.5	4.3	71
2686							
2786							
2886							
2986	5945.76	10	26	12.5-14.5			
3086							
3186	5963.7	14.5	54	13-14.5			
3186	5963.7	14.5	13	2-4			
3186	5963.7	14.5	36.3	2.5			
3286	5963.5	8.3	58	2-4			
3787							
3887							
3987BR							
5687							
B208089							

ROCKY FLATS SOLAR POND SUBSURFACE DATA - SORTED BY WELL

	Ka SS #1	Ka SS #1	Ka SS #1	Ka SS #1	Ka SS #2	Ka SS #2	Ka SS #2
	Strat. Eqv.	Strat. Eqv.	GRAIN SIZE	GRAIN SIZE	Strat. Eqv.	Strat. Eqv.	GRAIN SIZE
WELL NAME	ELEVATION	THICK.	% > 200/230 SIEVE	DEPTH	ELEVATION	THICK.	% > 200/230 SIEVE
B208189							
B208289							
B208389							
B208489							
B208589							
B208689							
B208789							
B210389							
B210489							
B213789	5911.4	0.3					
P207389	5972.7	6.5					
P207489							
P207589							
P207689							
P207789							
P207889							
P207989							
P208889					5907.3	12.7	
P208989							
P209089							
P209189	5970.4	23					
P209289	5967.8	4+					
P209389	5967.7	14.2					
P209489	5966	29					
P209589							
P209689							
P209789							
P209889							

ROCKY FLATS SOLAR POND SUBSURFACE DATA - SORTED BY WELL

	Ka SS #1	Ka SS #1	Ka SS #1	Ka SS #1	Ka SS #2	Ka SS #2	Ka SS #2
	Strat. Eqv.	Strat. Eqv.	GRAIN SIZE	GRAIN SIZE	Strat. Eqv.	Strat. Eqv.	GRAIN SIZE
WELL NAME	ELEVATION	THICK.	% > 200/230 SIEVE	DEPTH	ELEVATION	THICK.	% > 200/230 SIEVE
P209989							
P210089							
P210189	5966.2	16					
P210289							
P213889	5945.8	23.5	78.7	7.8-9.8			
P218089	5973.4	0.6					
P218389	5940.9	0.4					
P219089							
P219189							
P219489							
P219589	5946.6	2					
SP0187	5969.5	17	31	28			
SP0187	5969.5	17	61	19			
SP0287	5966.1	4.6	51	12			
SP0387							
SP0487							
SP0587							
SP0687							
SP0787							
SP0987							
SP1087					5928	4	60
SP1187					5883	10	6
SP1287							
SP1387							
SP1487							
SP1587							

	Ka SS #2	Ka SS #3	Ka SS #3	Ka SS #3	Ka SS #3	Ka SS #4	Ka SS #4	Ka SS #4
	GRAIN SIZE	Strat. Eqv.	Strat. Eqv.	GRAIN SIZE	GRAIN SIZE	Strat. Eqv.	Strat. Eqv.	GRAIN SIZE
WELL NAME	DEPTH	ELEVATION	THICK.	% > 200/230 SIEVE	DEPTH	ELEVATION	THICK.	% > 200/230 SIEVE
1386								
1486						5803.41	12.9	25
1586								
1686						5823.24	1.5	16
1786								
1886								
1986								
2086								
2286								
2286								
2386						5867.88	2.6	24
2486								
2586	79.2-80.5							
2586A	72							
2686								
2786						5834.46	6.5	26
2886								
2986								
3086								
3186								
3186								
3186								
3286		5872.46	5			5849.3	10.5	23.8
3787								
3887								
3987BR						5837.4	8	48
5687								
B208089								

	Ka SS #2	Ka SS #3	Ka SS #3	Ka SS #3	Ka SS #3	Ka SS #4	Ka SS #4	Ka SS #4
	GRAIN SIZE	Strat. Eqv.	Strat. Eqv.	GRAIN SIZE	GRAIN SIZE	Strat. Eqv.	Strat. Eqv.	GRAIN SIZE
WELL NAME	DEPTH	ELEVATION	THICK.	% > 200/230 SIEVE	DEPTH	ELEVATION	THICK.	% > 200/230 SIEVE
B208189								
B208289								
B208389								
B208489								
B208589								
B208689								
B208789								
B210389								
B210489								
B213789								
P207389								
P207489								
P207589								
P207689								
P207789								
P207889								
P207989								
P208889								
P208989								
P209089								
P209189								
P209289								
P209389								
P209489								
P209589								
P209689								
P209789								
P209889								

	Ka SS #2	Ka SS #3	Ka SS #3	Ka SS #3	Ka SS #3	Ka SS #4	Ka SS #4	Ka SS #4
	GRAIN SIZE	Strat. Eqv.	Strat. Eqv.	GRAIN SIZE	GRAIN SIZE	Strat. Eqv.	Strat. Eqv.	GRAIN SIZE
WELL NAME	DEPTH	ELEVATION	THICK.	% > 200/230 SIEVE	DEPTH	ELEVATION	THICK.	% > 200/230 SIEVE
P209989								
P210089								
P210189								
P210289								
P213889								
P218089								
P218389								
P219089								
P219189								
P219489								
P219589								
SP0187								
SP0187								
SP0287								
SP0387								
SP0487								
SP0587								
SP0687								
SP0787								
SP0987								
SP1087	15							
SP1187	23							
SP1287		5854	7.5	4	42			
SP1387								
SP1487								
SP1587								

ROCKY FLATS SOLAR POND SUBSURFACE DATA - SORTED BY WELL

	Ka SS #4	Ka SS #5	Ka SS #5	Ka SS #5	Ka SS #5
	GRAIN SIZE	Strat. Eqv.	Strat. Eqv.	GRAIN SIZE	GRAIN SIZE
WELL NAME	DEPTH	ELEVATION	THICK.	% > 200/230 SEIVE	DEPTH
1386					
1486	43				
1586					
1686	42				
1786					
1886					
1986					
2086					
2286					
2286					
2386	114				
2486					
2586					
2586A					
2686					
2786	128.5				
2886					
2986					
3086					
3186					
3186					
3186					
3286	120				
3787					
3887					
3987BR	111				
5687					
B208089					

ROCKY FLATS SOLAR POND SUBSURFACE DATA - SORTED BY WELL

	Ka SS #4	Ka SS #5	Ka SS #5	Ka SS #5	Ka SS #5
	GRAIN SIZE	Strat. Eqv.	Strat. Eqv.	GRAIN SIZE	GRAIN SIZE
WELL NAME	DEPTH	ELEVATION	THICK.	% > 200/230 SEIVE	DEPTH
B208189					
B208289					
B208389					
B208489					
B208589					
B208689					
B208789					
B210389					
B210489					
B213789					
P207389					
P207489					
P207589					
P207689					
P207789					
P207889					
P207989					
P208889					
P208989					
P209089					
P209189					
P209289					
P209389					
P209489					
P209589					
P209689					
P209789					
P209889					

	Ka SS #4	Ka SS #5	Ka SS #5	Ka SS #5	Ka SS #5
	GRAIN SIZE	Strat. Eqv.	Strat. Eqv.	GRAIN SIZE	GRAIN SIZE
WELL NAME	DEPTH	ELEVATION	THICK.	% > 200/230 SEIVE	DEPTH
P209989					
P210089					
P210189					
P210289					
P213889					
P218089					
P218389					
P219089					
P219189					
P219489					
P219589					
SP0187					
SP0187					
SP0287					
SP0387					
SP0487					
SP0587					
SP0687					
SP0787					
SP0987					
SP1087					
SP1187					
SP1287					
SP1387					
SP1487					
SP1587					

LOG OF BOREHOLE

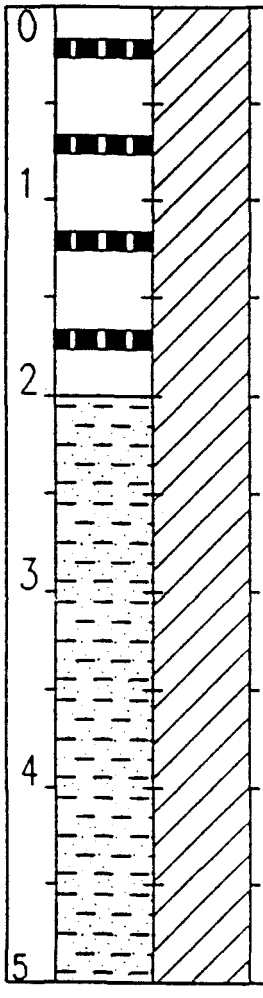
QA BY/DATE J.B. Burman 12-22-90
LOCATION Rocky Flats Plant; Building 774
COORDINATES N38,144.02 E21,014.40 (RFP)
TOTAL DEPTH 20.0'

DRILLING COMPANY Boyles Brothers
DATE DRILLED November 29, 1989
DRILLING METHOD Hollow Stem Auger
LOGGED BY R.D. Morrow
GEOLOGIST

BOREHOLE/WELL NO. P219089
GROUND SURFACE ELEVATION 5949.1'
WATER LEVEL ENCOUNTERED 5.6'
STATIC 13.68' (12/12/89)
DRILLER K. Parker HELPER T. Merritt
DRILLING FLUID None
CHECKED BY J.B. Burman
SITE MANAGER

CEARP MANAGER

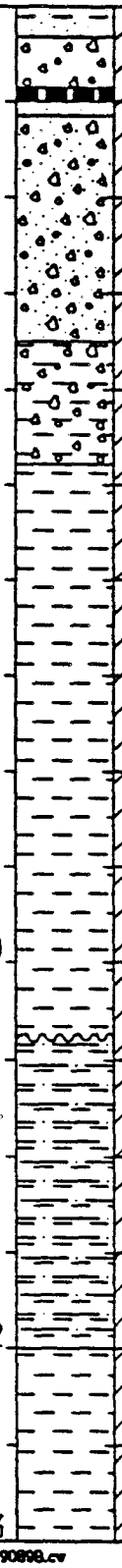
COMMENTS

DEPTH (FT)	GRAPHIC LOG	SAMPLE TYPE	LITHOLOGIC DESCRIPTION	SAMPLES COLLECTED OR OTHER TESTS PERFORMED
0 1 2 3 4 5			**ARTIFICIAL FILL** 0.0-2.0' SAMPLE. Recovered 0.0/2.0' = 0%. 2.0-4.0' SAMPLE. Recovered 0.5/2.0' = 25%. ASPHALT AND SANDY CLAY: dark yellowish brown (10 YR 4/2); unconsolidated; high plasticity; angular, poorly sorted, medium- to coarse-grained granitic sand; damp. 4.0-6.0' SAMPLE. Recovered 1.8/2.0' = 90%. 4.0-5.25': SANDY CLAY: same as above. 5.25-5.4': GRAVEL: coarse; moderately sorted; angular; unconsolidated; granitic, quartzose, and feldspathic sand. 5.4-5.5': ASPHALT. 5.5-5.6': SAND: fine- to medium-grained moderately well sorted, angular, quartzose sand; unconsolidated; damp. 5.6-5.8': GRAVELLY SAND: dusky yellowish brown (10 YR 2/2); some clay to 20%; trace silt; sand same as above; gravel to 0.8 cm; wet.	HNu Background: 0.0 All reading on cuttings; on core; in breathing zone, and in augers: 0.0; unless otherwise noted below.

19089A.cv

WELL NO. P219089

LOG OF BOREHOLE

DEPTH (FT)	GRAPHIC LOG	SAMPLE TYPE	LITHOLOGIC DESCRIPTION	SAMPLES COLLECTED OR OTHER TESTS PERFORMED
5 6 7 8 9 10 11 12 13			6.0-8.0' SAMPLE. Recovered 1.4/2.0' = 70%. 6.0-6.75': GRAVELLY SAND: same as above. 6.75-7.4': GRAVELLY CLAY: moderate brown (5 YR 3/4); 1 to 2.5 cm; angular gravel to 25%; clay is soft and highly plastic; no HCl reaction; wet. 8.0-10.0' SAMPLE. Recovered 1.4/2.0' = 70%. 8.0-8.2': GRAVELLY CLAY: same as above. 8.2-8.4': REWORKED CLAYSTONE: dark yellowish orange (10 YR 6/0); massive trace gravel; some silt; soft; highly plastic; no HCl reactions; damp. 10.0-12.0' SAMPLE. Recovered 1.5/2.0' = 75%. 10.0-10.4': REWORKED CLAYSTONE: same as above. ARAPAHOE/LARAMIE FORMATION 10.4-11.5': SILTY CLAYSTONE: olive gray (5 Y 4/1); massive; silt to 25%; some pale yellowish orange (10 YR 6/6); iron staining; soft; highly plastic; no HCl reactions; damp. 12.0-14.0' SAMPLE. Recovered 2.0/2.0' = 100%. CLAYSTONE: light gray (N 7/0); massive; blocky in part; some silt to 15%; trace iron staining; trace calcareous concentrations; soft; low to moderate plasticity; damp.	▽ 5.6'

190898.cv

WELL NO. P219089

LOG OF BOREHOLE

DEPTH (FT)	GRAPHIC LOG	SAMPLE TYPE	LITHOLOGIC DESCRIPTION	SAMPLES COLLECTED OR OTHER TESTS PERFORMED
13			14.0-16.0' SAMPLE. Recovered 2.0/2.0' = 100%. SILTY CLAYSTONE: dark yellowish orange (10 YR 6/6); mottled with medium dark gray (N 4/0); massive; platy to blocky; trace subfissile; brittle; highly iron stained; silt to 25%; soft; damp to dry.	13.68'
14			16.0-18.0' SAMPLE. Recovered 2.0/2.0' = 100%. SILTY CLAYSTONE: same as above; decreasing iron staining with depth; becoming predominantly medium gray (N 5/0).	
15			18.0-20.0' SAMPLE. Recovered 2.0/2.0' = 100%. SILTY CLAYSTONE: medium gray (N 5/0); massive; subblockly; some iron staining to 25% decreasing with depth; low plasticity; no HCl reactions; damp to dry.	
16			TOTAL DEPTH: 20.0'	
17				
18				
19				
20				
21				

19089C.cv

WELL COMPLETION INFORMATION

QA By/Date J B Bergman 12-5-89

Location Rocky Flats Plant; Bldg 774 Area

Well No. P219089

Coordinates

Elevation: Ground Surface

Total Depth: Well 15.70'

Top of Casing

Borehole 20.0'

Formation of Completion Weathered Claystone

Casing Material Schedule 40 PVC

Casing Diameter 4 1/2" O.D.

Screen Material Schedule 40 10-slotted PVC

Surface Casing Diameter 5 5/8" O.D.

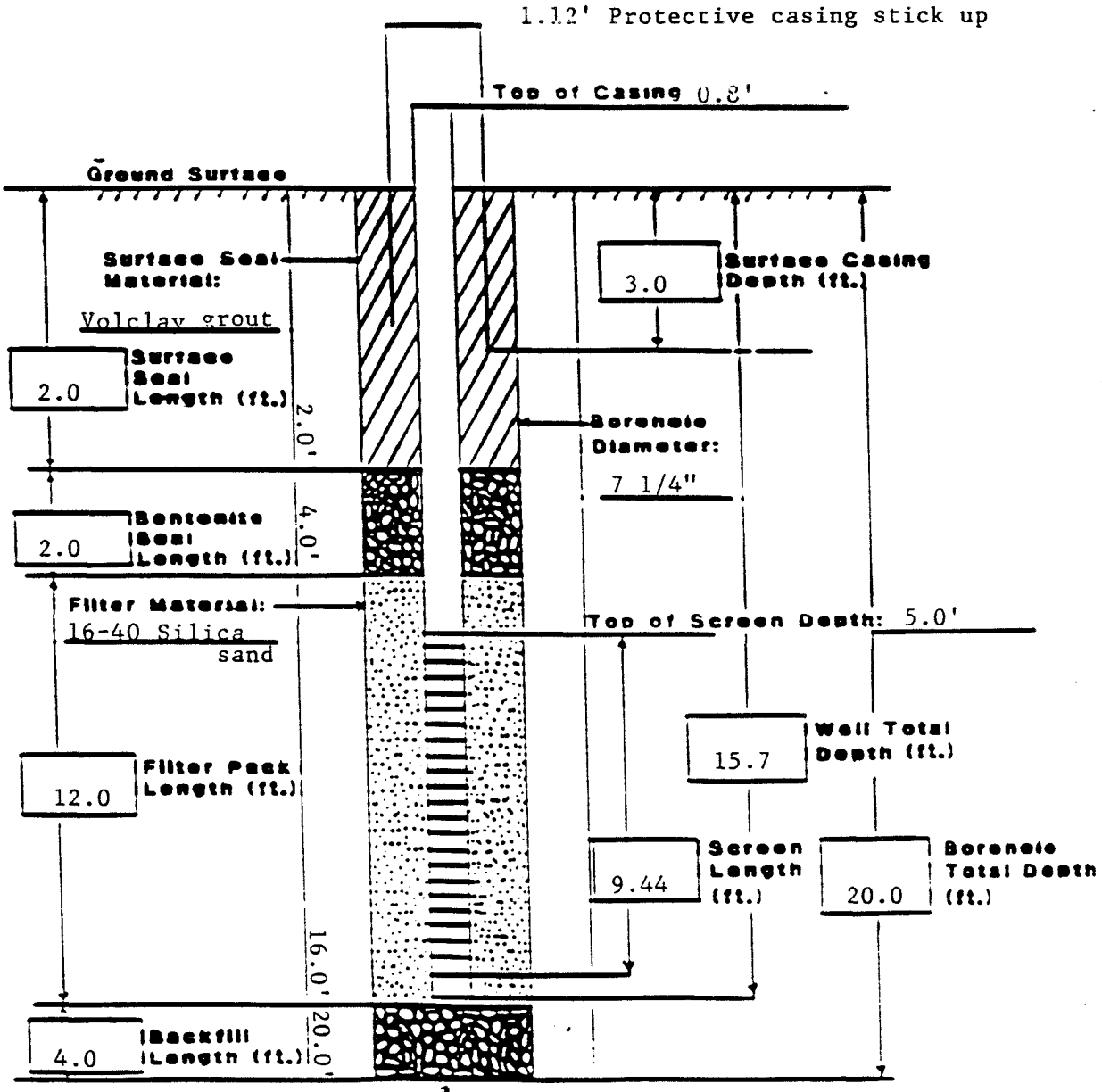
Date Installed 11/29/1989

Approved By J B Bergman
Site Manager

Installed By R.D. Morrow
Geologist

CEARP Manager

Comments Set stainless steel centralizer from 15.65' to 14.45' below ground surface.



Backfill Material: 1/4" Volclay bentonite pellets; slough

LOG OF BOREHOLE

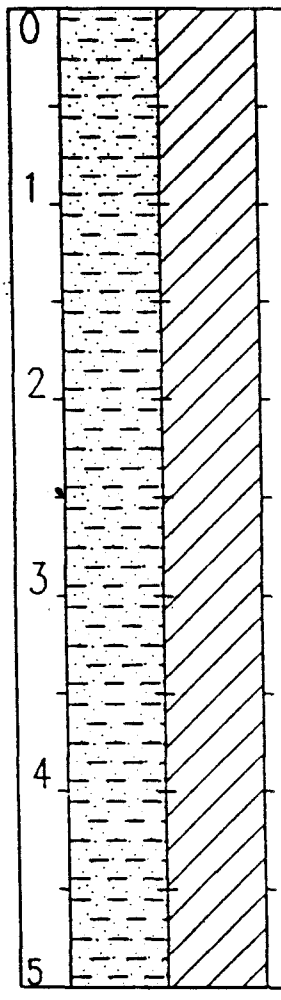
QA BY/DATE J.B. Burman / 2-22-90
LOCATION Rocky Flats Plant; Original Process Waste Lines
COORDINATES N37,546.69 E23,573.81 (RFP)
TOTAL DEPTH 9.6'

DRILLING COMPANY Boyles Brothers
DATE DRILLED June 13, 1989
DRILLING METHOD Hollow Stem Auger
LOGGED BY S.P. Carpenter
GEOLOGIST

BOREHOLE/WELL NO. B213789
GROUND SURFACE ELEVATION 5917.8'
WATER LEVEL ENCOUNTERED None
STATIC None (01/17/90)
DRILLER K. Parker HELPER P. Mesa
DRILLING FLUID None
CHECKED BY J.B. Burman
SITE MANAGER

CEARP MANAGER

COMMENTS

DEPTH (FT)	GRAPHIC LOG	SAMPLE TYPE	LITHOLOGIC DESCRIPTION	SAMPLES COLLECTED OR OTHER TESTS PERFORMED
0 1 2 3 4 5			**ROCKY FLATS ALLUVIUM** 0.0-1.6' SAMPLE. Recovered 1.4/1.6' = 87%. SANDY CLAY: moderate brown (5 YR 4/4) to dusky yellowish brown (10 YR 2/2); trace gravel to pebbles; non-stratified; fine to very coarse-grained sand; poor sorting; subangular; quartzose; poorly consolidated; stiff; medium plasticity; moist. 1.6-3.6' SAMPLE. Recovered 2.0/2.0' = 100%. SANDY CLAY: moderate yellowish brown (10 YR 5/4); non-stratified; fine to very coarse-grained sand; poor sorting; subangular; quartzose; poor consolidation; stiff; medium plasticity; calcareous; moist. 3.6-5.6' SAMPLE. Recovered 1.95/2.0' = 97%. SANDY CLAY: same as above; light brown (5 YR 5/6) to dark yellowish orange (10 YR 6/6); increased calcareous deposits.	HNu Background: 0.0 OVA Background: 0.0 All readings on cuttings, in breathing zone, on core, and in augers: 0.0; unless otherwise noted below. 5.4-6.4' SAMPLE PZ13890506 PZ138905060 PZ13890506FB

PZ1389A

WELL NO. B213789

LOG OF BOREHOLE

DEPTH (FT)	GRAPHIC LOG	SAMPLE TYPE	LITHOLOGIC DESCRIPTION	SAMPLES COLLECTED OR OTHER TESTS PERFORMED
5			5.6-7.6' SAMPLE. Recovered 1.9/2.0' = 95%. 5.6-6.4': SANDY CLAY: same as above.	
			ARAPAHOE/LARAMIE FORMATION	
6			6.4-6.7': CLAYEY SANDSTONE: dark yellowish orange (10 YR 6/6) to grayish orange (10 YR 7/4) to light gray (N 7/0); non-stratified; mottled; fine to coarse-grained sand; poor sorting; subangular; quartzose; poorly consolidated; calcareous; very weathered; moist. 6.7-7.5': CLAYSTONE: very light gray (N 8/0); non-stratified; blocky; moderately consolidated; medium to high plasticity; weathered; abundant iron oxide staining; moist.	
7			7.6-9.6' SAMPLE. Recovered 2.0/2.0' = 100%. CLAYSTONE: same as above; light olive gray (5 Y 5/2) to dark yellowish orange (10 YR 6/6) to medium light gray (N 6/0); mottled; calcareous deposits.	
8				
			TOTAL DEPTH = 9.6'	
9				
10				
11				
12				
13				

PZ13898

WELL COMPLETION INFORMATION

QA By/Date Janell Burman 10-14-99

Location Rocky Flats Plant; Original Process Waste Lines (RFP) **Well No.** B213789

Coordinates N 37546.69 E 23573.81 **Elevation: Ground Surface** 5917.8'

Total Depth: Well 8.25' **Top of Casing** 5920.01'

Borehole 9.4'

Formation of Completion Colluvium

Casing Material Schedule 40 PVC **Casing Diameter** 2 3/8" O.D.

Screen Material Schedule 40 10-slotted PVC **Surface Casing Diameter** 5 5/8" O.D.

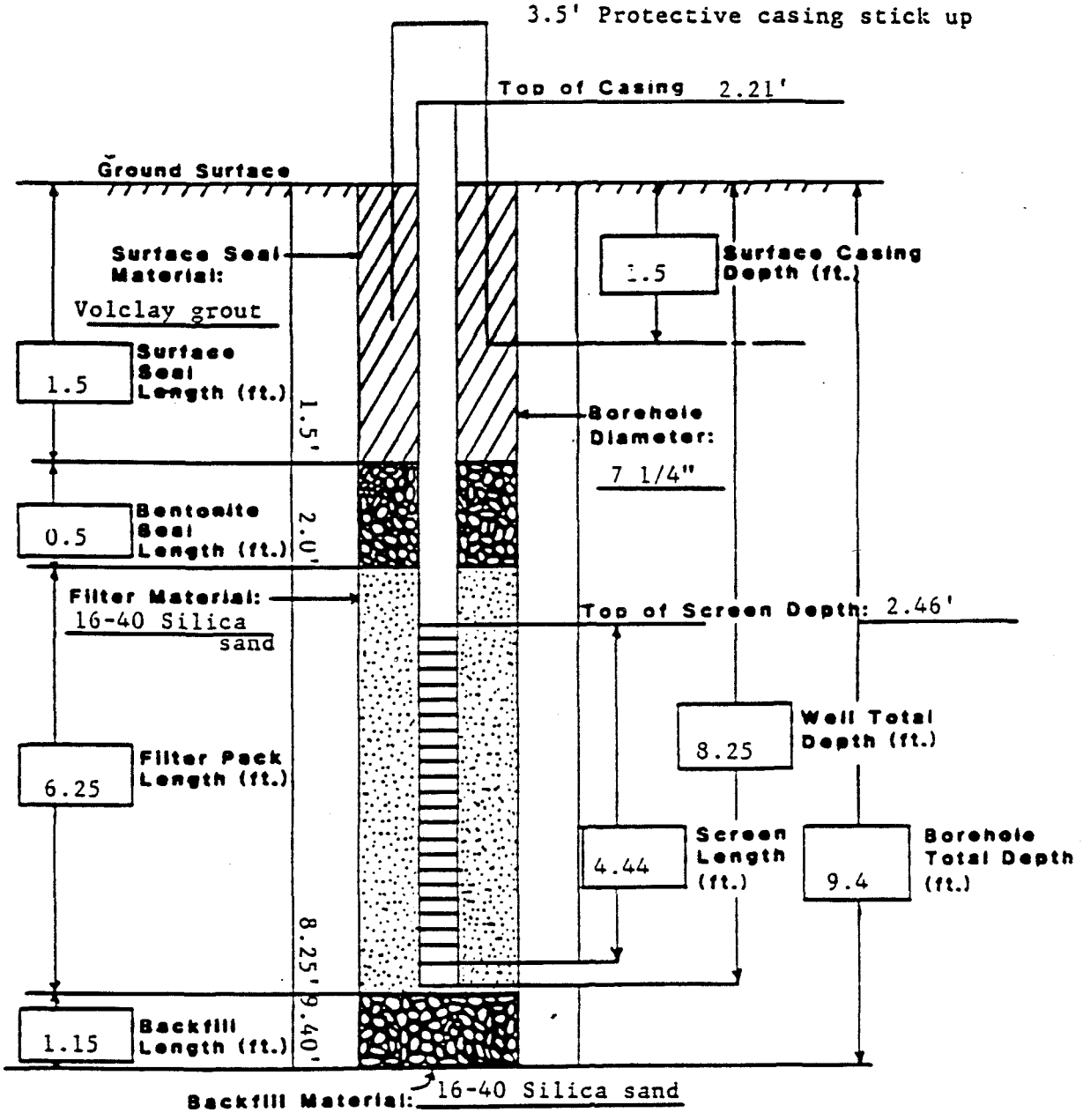
Date Installed 06/13/1989 **Approved By** Janell Burman

Installed By S.P. Carpenter **Site Manager**

Geologist

CEARP Manager

Comments Set stainless steel centralizer from 6.92' to 8.13' below ground surface.



PZ 13889

ROCKY FLATS PLANT BOREHOLE LOG

Borehole Number: PZ 14-89 * NOTE BASE OF BOX STATED 14-89 FOR BOX 1 OF 3 Surface Elevation: _____
Location - North: _____ East: _____ Area: _____
Date: 7/26/90 Total Depth: _____
Geologist: WDG Company: ASI Project No.: _____
Drilling Equip.: _____ Sample Type: _____

TOP/BOTTOM OF CORE IN BOX	TOP/BOTTOM OF INTERVAL	FEET OF CORE IN INTERVAL IN BOX	SAMPLE NUMBER	FRACTURE ANGLE	BEDDING ANGLE	GRAIN SIZE DISTRIBUTION	USCS SYMBOL	DEPTH IN FEET	SOIL LITHOLOGIC LOG	SAMPLE DESCRIPTION
0.0 -11.8	0.0 -1.8	1.4				30% SAND 70% CLAY	CL	1		SANDY CLAY, grayish orange (10 YR 7/4) grading to moderate brown (5 YR 3/4), Sand is MG-CG, mod angular - sub angular, mod plasticity, some gravel to 5 cm dia at base of interval. Calcareous. mod graded
	1.8 -3.8	1.3				20% GRAVEL 20% SAND 60% CLAY	CL	2, 3		Same as above: top is dark reddish brown (10 R 3/4). gravel fraction increases,
	3.8 -5.8	1.3				40% GRAVEL 15% SAND 15% CLAY	GC	4, 5		CALCAREOUS GRAVEL, grayish orange pink (10 R 8/2), mod-well graded, angular - sub angular, some trace of clay some sand FG-CG
Box 1 of 3	5.8 -7.8	Ø						6, 7		NO SAMPLE
	7.8 -9.8	0.6			* #A	90% SAND	SP	8, 9		SAND, pinkish gray (5 YR 8/1), VFG -FG, rounded - sub rounded, poorly graded, Fe staining, trace of gravel - largest is diameter of core (1 cm)
	9.8-11.8									See next page

NOTES: Materials amounts are estimated by % volume instead of % weight.
(1) Badly broken core, accurate footage measurements not possible.
(2) Core breaks cannot be matched, accurage footage measurements not possible.

ROCKY FLATS PLANT BOREHOLE LOG

Borehole Number: PZ 14-89
Location - North: _____ East: _____
Date: 7/26/90
Geologist: DMY
Drilling Equip.: _____

Surface Elevation: _____
Area: _____
Total Depth: _____
Company: ASI Project No.: _____
Sample Type: _____

TOP/BOTTOM OF CORE IN BOX	TOP/BOTTOM OF INTERVAL	FEET OF CORE IN INTERVAL IN BOX	SAMPLE NUMBER	FRACTURE ANGLE	BEDDING ANGLE	GRAIN SIZE DISTRIBUTION	USCS SYMBOL	DEPTH IN FEET	SOIL LITHOLOGIC LOG	SAMPLE DESCRIPTION
11.8		1.75				>90% SAND	SP	11		Sand, pinkish gray (5 YR 8/1), VFG-FG, non-med-subrounded poorly graded, Fe staining as mottles, some calcareous material in middle of interval, unconsolidated some clay
Box 2 of 3	11.8 -13.8	1.2				70% SAND 30% CLAY		12, 13		CLAYEY SANDSTONE, pale yellowish orange (10 YR 8/6), VFG, well sorted, mod-well rounded, mod friability, soft, Fe staining as mottles & in fractures, trace of Mn staining, mod consolidated
	13.8 -15.8	1.7			≤30°	70% SAND 30% CLAY		14, 15		Same as above: ≤ 30° laminae, evidence of soft sed deformation. Same as above
	15.8 -17.8	1.5				70% SAND 30% CLAY		16, 17		Same as above: mod-low friability
	17.8 -19.8	1.4				80% SAND 20% CLAY		18, 19		Same as above: mod-low friability, FG., clay fraction is decreased
	19.8 -21.8	1.7								

NOTES: Materials amounts are estimated by % volume instead of % weight.
(1) Badly broken core, accurate footage measurements not possible.
(2) Core breaks cannot be matched, accurage footage measurements not possible.

ROCKY FLATS PLANT BOREHOLE LOG

Borehole Number: PZ 14-89
Location - North: _____ East: _____
Date: 7/26/90
Geologist: Day
Drilling Equip.: _____

Surface Elevation: _____
Area: _____
Total Depth: _____
Company: ASI Project No.: _____
Sample Type: _____

TOP/BOTTOM OF CORE IN BOX	TOP/BOTTOM OF INTERVAL	FEET OF CORE IN INTERVAL IN BOX	SAMPLE NUMBER	FRACTURE ANGLE	BEDDING ANGLE	GRAIN SIZE DISTRIBUTION	USCS SYMBOL	DEPTH IN FEET	SOIL LITHOLOGIC LOG	SAMPLE DESCRIPTION
21.8								21		See previous page
Box 3 of 10	21.8 -23.8					>90% SAND		22, 23		SANDSTONE, very pale orange (10 YR 8/2), VFG, mod-well sorted, sub rounded-rounded, mod friability, Fe staining as mottles.
										Same as above:
	23.8 -25.8							24, 25		Same as above: decrease clay fraction in top of interval & is yellowish gray (5 Y 5/2). & is friable
	25.8 -27.8							26, 27		Same as above:
	27.8 -29.8							28, 29		
	29.8 -31.8									Same as above: incr. clay fraction at base

NOTES: Materials amounts are estimated by % volume instead of % weight.
(1) Badly broken core, accurate footage measurements not possible.
(2) Core breaks cannot be matched, accurage footage measurements not possible.

ROCKY FLATS PLANT BOREHOLE LOG

Borehole Number: D7 14-89
Location - North: _____ East: _____
Date: 7/26/90
Geologist: [illegible]
Drilling Equip.: _____

Surface Elevation: _____
Area: _____
Total Depth: _____
Company: ASI Project No.: _____
Sample Type: _____

TOP/BOTTOM OF CORE IN BOX	TOP/BOTTOM OF INTERVAL	FEET OF CORE IN INTERVAL IN BOX	SAMPLE NUMBER	FRACTURE ANGLE	BEDDING ANGLE	GRAIN SIZE DISTRIBUTION	USCS SYMBOL	DEPTH IN FEET	SOIL LITHOLOGIC LOG	SAMPLE DESCRIPTION
31.9						100%		31		
								32		
								33		
								34		
								35		
								36		
								37		
								38		
								39		

NOTES: Materials amounts are estimated by % volume instead of % weight.
(1) Badly broken core, accurate footage measurements not possible.
(2) Core breaks cannot be matched, accurage footage measurements not possible.

LOG OF BOREHOLE

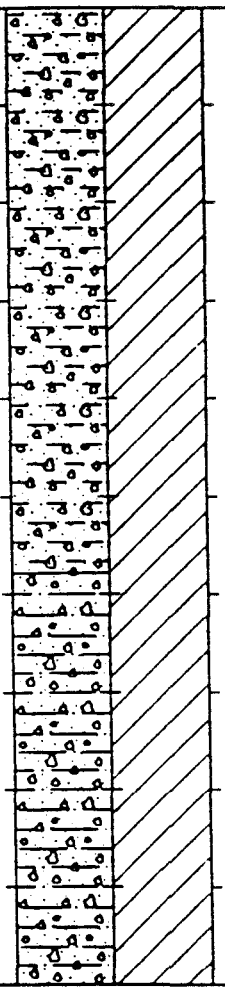
QA BY/DATE J.B. Burman 12-22-90
LOCATION Rocky Flats Plant; Original Process Waste Lines
COORDINATES N37,476.24 E23,005.19 (RFP)
TOTAL DEPTH 31.85'

DRILLING COMPANY Boyles Brothers
DATE DRILLED June 15 and 16, 1989
DRILLING METHOD Hollow Stem Auger
LOGGED BY S.P. Carpenter
GEOLOGIST

BOREHOLE/WELL NO. P213889
GROUND SURFACE ELEVATION 5954.1'
WATER LEVEL ENCOUNTERED None
STATIC None (09/15/89)
DRILLER R. Sharp HELPER P. Mesa; T. Merritt
DRILLING FLUID None
CHECKED BY J.B. Burman
SITE MANAGER

CEARP MANAGER

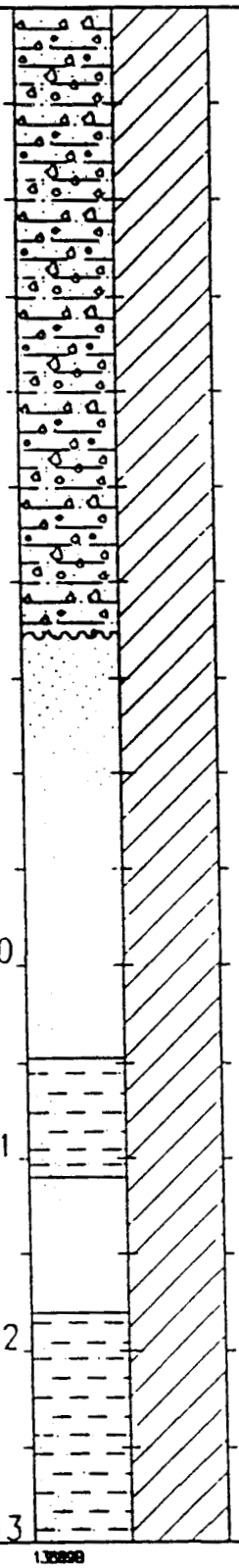
COMMENTS

DEPTH (FT)	GRAPHIC LOG	SAMPLE TYPE	LITHOLOGIC DESCRIPTION	SAMPLES COLLECTED OR OTHER TESTS PERFORMED
0 1 2 3 4 5			ARTIFICIAL FILL 0.0-1.8' SAMPLE. Recovered 1.6/1.8' = 89%. SANDY GRAVELLY CLAY: light brown (5 YR 5/6) to dusky brown (5 YR 2/2); nonstratified; fine- to very coarse-grained sand; 1 to 4 mm gravels; subangular; poor sorting; quartzose; poorly consolidated; stiff; low to medium plasticity; moist. 1.8-3.8' SAMPLE. Recovered 1.6/2.0' = 80%. 1.8-2.8': SANDY GRAVELLY CLAY: same as above; moderate reddish brown (10 YR 4/6); trace 1 mm gravels. ROCKY FLATS ALLUVIUM 2.8-3.4': GRAVELLY SILTY SAND: moderate orange pink (5 YR 8/4); fine- to very coarse-grained sand; 1 to 4 mm gravel; poor sorting; subangular; quartzose; unconsolidated; medium dense; calcareous; dry. 3.8-5.8' SAMPLE. Recovered 1.8/2.0' = 90%. GRAVELLY SILTY SAND: same as above; 1 to 6 mm gravels.	HNu Background: 0.0 OVA Background: 0.0 All readings on cuttings, in breathing zone, on core, and in augers: 0.0; unless otherwise noted below. 5.2-6.6': SAMPLE PZ14890507

13888A

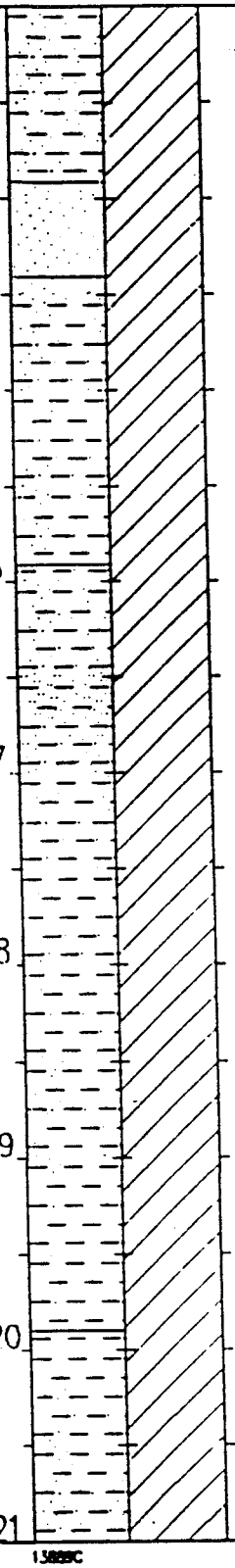
WELL NO. P213889

LOG OF BOREHOLE

DEPTH (FT)	GRAPHIC LOG	SAMPLE TYPE	LITHOLOGIC DESCRIPTION	SAMPLES COLLECTED OR OTHER TESTS PERFORMED
5 6 7 8 9 10 11 12 13			5.8-7.8' SAMPLE. Recovered 0.8/2.0' = 40%. GRAVELLY SILTY SAND: same as above; becoming slightly clayey. 7.8-9.8' SAMPLE. Recovered 0.5/2.0' = 25%. 7.8-8.3': GRAVELLY SILTY SAND: same as above. ARAPAHOE/LARAMIE FORMATION Note: Bedrock contact inferred from drilling behavior. 8.3-9.8': SANDSTONE: very light gray (N 8/0) stained dark yellowish orange (10 YR 6/6); nonstratified; very fine- to trace medium-grained sand; subangular; poor sorting; quartzose; non-cemented; very weathered; moist. 9.8-11.8' SAMPLE. Recovered 2.0/2.0' = 100%. 9.8-10.45': SANDSTONE: same as above; slightly clayey. 10.45-11.1': SANDY CLAYSTONE: medium gray (N 5/0) to grayish orange (10 YR 7/4); blocky; very weathered; mottled with iron oxide staining; medium plasticity; 3 mm sandstone lense at middle of zone; moist. 11.1-11.8': SANDSTONE: dark yellowish orange (10 YR 6/6) to very pale orange (10 YR 8/2); predominantly very fine- to trace medium-grained sand; poorly sorted; subangular; quartzose; laminated; weathered; non to slightly cemented; scattered claystone inclusions; moist. 11.8-13.8' SAMPLE. Recovered 1.7/2.0' = 85%. CLAYEY SANDSTONE: dark yellowish orange (10 YR 6/6) to light gray (N 7/0); very fine-grained sand; subangular; moderate sorting; quartzose; nonstratified; non to poorly cemented; < 1 mm laminations of claystone; abundant iron oxide staining; low plasticity; weathered; moist.	7.8-9.8': Readings in Auger: OVA: 70 9.8-11.8': Readings in Auger: OVA: 100 HNu: 1 11.8-13.8': Readings in Auger: OVA: 2

WELL NO. P213889

LOG OF BOREHOLE

DEPTH (FT)	GRAPHIC LOG	SAMPLE TYPE	LITHOLOGIC DESCRIPTION	SAMPLES COLLECTED OR OTHER TESTS PERFORMED
13 14 15 16 17 18 19 20 21			**13.8-15.8' SAMPLE.** Recovered 2.0/2.0' = 100%. 13.8-14.4': SANDSTONE: dark yellowish orange (10 YR 6/6); fine-grained sand; moderate sorting; subangular; quartzose; laminated with iron oxide staining; poorly consolidated; slightly cemented; weathered; trace <0.5 mm claystone laminations; moist. 14.4-15.8': CLAYEY SANDSTONE: very light gray (N 8/0) to dark yellowish orange (10 YR 6/6); fine-grained sand; moderate sorting; subangular; quartzose; with claystone laminations and inclusions; moderately consolidated; weathered; slightly cemented; low plasticity; iron oxide staining; moist. **15.8-17.8' SAMPLE.** Recovered 2.0/2.0' = 100%. CLAYEY SANDSTONE AND SANDSTONE: same as above with dark yellowish orange (10 YR 6/6) to very light gray (N 8/0) to pale yellowish brown (10 YR 6/2). **17.8-19.8' SAMPLE.** Recovered 2.0/2.0' = 100%. INTERBEDDED SANDSTONE AND CLAYEY SANDSTONE: same as above. **19.8-21.8' SAMPLE.** Recovered 2.0/2.0' = 100%. CLAYEY SANDSTONE: dark yellowish orange (10 YR 6/6) to very light gray (N 8/0); fine- to very fine-grained sand; moderate sorting; subangular; quartzose; platy in part; moderately consolidated; poorly cemented; weathered; iron oxide staining; moist.	17.8-19.8': Readings in Auger: OVA: 1.5 HNu: 0.1 19.8-21.8': Readings in Auger: OVA: 4

WELL NO. P213889

LOG OF BOREHOLE

DEPTH (FT)	GRAPHIC LOG	SAMPLE TYPE	LITHOLOGIC DESCRIPTION	SAMPLES COLLECTED OR OTHER TESTS PERFORMED
21			**21.8-23.8' SAMPLE.** Recovered 2.0/2.0' = 100%. CLAYEY SANDSTONE: same as above; dark yellowish orange (10 YR 6/6) to light olive gray (5 Y 6/1) to very light gray (N 8/0); laminated; < 1.5 mm sandy claystone; low to no plasticity.	
22			**23.8-25.8' SAMPLE.** Recovered 2.0/2.0' = 100%. CLAYEY SANDSTONE: same as above.	23.8-25.8': Readings in Auger: OVA: 1
23			**25.8-27.8' SAMPLE.** Recovered 2.0/2.0' = 100%. INTERBEDDED SANDY CLAYSTONE AND CLAYEY SANDSTONE: medium gray (N 5/0) to moderate yellowish brown (10 YR 5/4) to dark yellowish orange (10 YR 6/6); stratified to laminated; moderately consolidated; medium to no plasticity; iron oxide staining; weathered; moist.	
24			**27.8-29.8' SAMPLE.** Recovered 2.0/2.0' = 100%. SANDY CLAYSTONE: dark gray (N 3/0) to medium light gray (N 6/0); platy; fine- to very fine-grained sand; well consolidated; medium plasticity; medium hard; unconsolidated sandstone lense at 28.7-28.9'; iron oxide staining; moist.	27.8-29.8': Readings in Auger: OVA: 120 HNu: 5
25				
26				
27				
28				
29				

NO. P213889

LOG OF BOREHOLE

DEPTH	GRAPHIC LOG	SAMPLE TYPE	LITHOLOGIC DESCRIPTION	SAMPLES COLLECTED OR OTHER TESTS PERFORMED
29 30 31 32 33 34 35 36 37			29.8-31.8' SAMPLE. Recovered 2.0/2.0' = 100%. 29.8-30.4': SANDY CLAYSTONE: same as above. 30.4-31.8': CLAYEY SANDSTONE: light gray (N 7/0) to pale yellowish brown (10 YR 6/2) to dark yellowish orange (10 YR 6/6); laminated; sandy claystone, < .5 mm lenses; fine- to very fine-grained sands; subangular; moderate sorting; quartzose; well consolidated; weakly cemented; low plasticity; weathered; moist. TOTAL DEPTH = 31.85'	29.8-31.8': Readings in Auger: OVA: 90 HNu: 5

1388E

WELL COMPLETION INFORMATION

QA By/Date Janell Burman 11-30-89

Location Rocky Flats Plant: Original Process Waste Lines (RFP)

Coordinates N 37476.24 E 23005.19

Total Depth: Well 22.03'

Borehole 31.85'

Well No. P213889

Elevation: Ground Surface 5954.1'

Top of Casing 5955.94'

Formation of Completion Weathered Sandstone

Casing Material Schedule 40 PVC

Casing Diameter 2 3/8" O.D.

Screen Material Schedule 40 10-slotted PVC

Surface Casing Diameter 5 5/8" O.D.

Date Installed 06/16/1989

Approved By Janell Burman

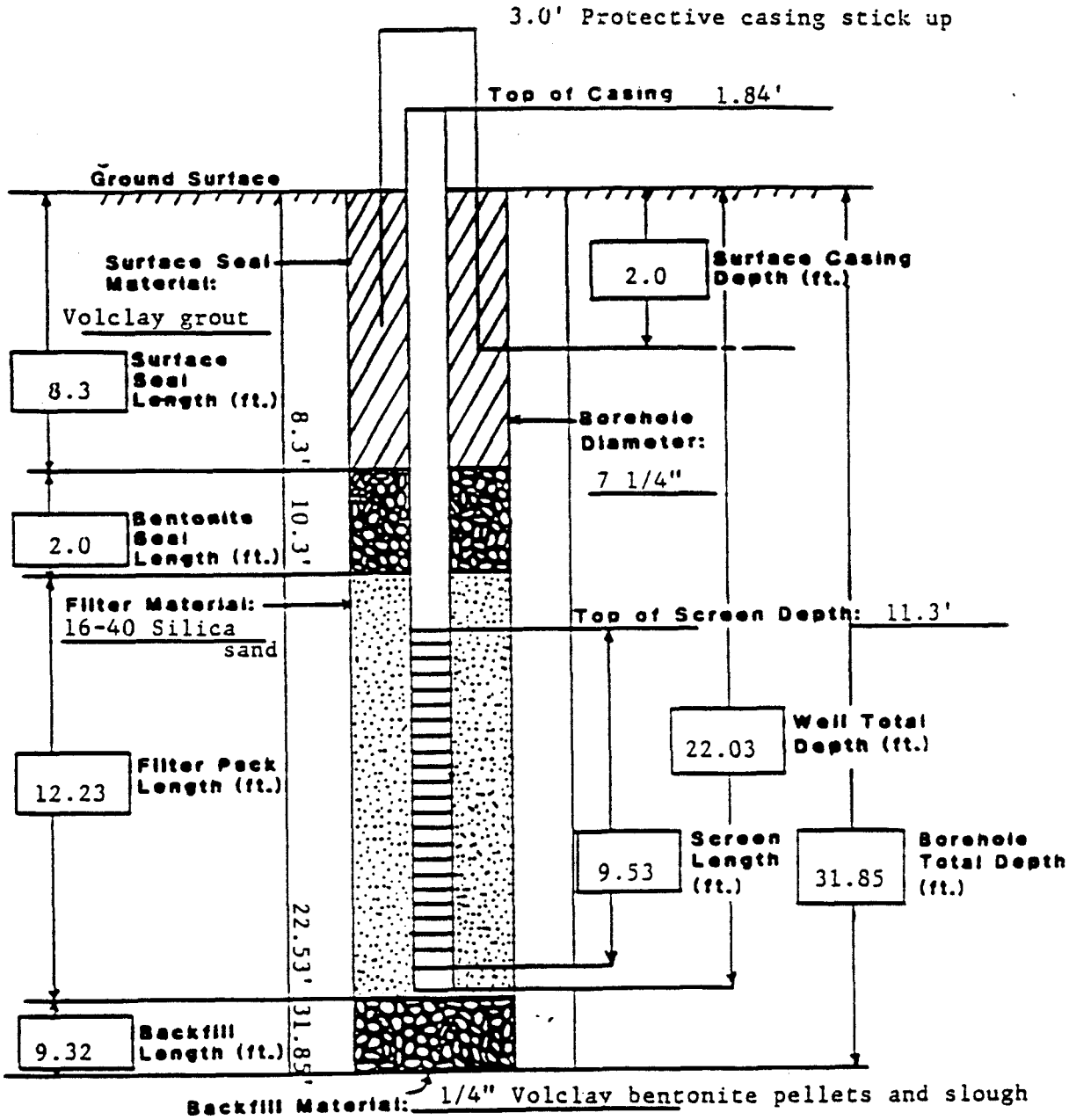
Site Manager

Installed By S.P. Carpenter

Geologist

CEARP Manager

Comments



LOG OF BOREHOLE

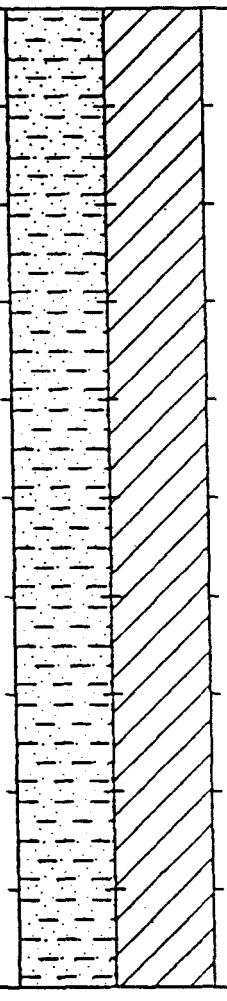
QA BY/DATE J.B. Burman / 2-22-90
LOCATION Rocky Flats Plant; Original Process Waste Lines
COORDINATES N37,546.69 E23,573.81 (RFP)
TOTAL DEPTH 9.6'

DRILLING COMPANY Bayles Brothers
DATE DRILLED June 13, 1989
DRILLING METHOD Hollow Stem Auger
LOGGED BY S.P. Carpenter
GEOLOGIST

BOREHOLE/WELL NO. B213789
GROUND SURFACE ELEVATION 5917.8'
WATER LEVEL ENCOUNTERED None
STATIC None (01/17/90)
DRILLER K. Parker HELPER P. Mesa
DRILLING FLUID None
CHECKED BY J.B. Burman
SITE MANAGER

CEARP MANAGER

COMMENTS

DEPTH (FT)	GRAPHIC LOG	SAMPLE TYPE	LITHOLOGIC DESCRIPTION	SAMPLES COLLECTED OR OTHER TESTS PERFORMED
0 1 2 3 4 5			**ROCKY FLATS ALLUVIUM** 0.0-1.6' SAMPLE. Recovered 1.4/1.6' = 87%. SANDY CLAY: moderate brown (5 YR 4/4) to dusky yellowish brown (10 YR 2/2); trace gravel to pebbles; non-stratified; fine to very coarse-grained sand; poor sorting; subangular; quartzose; poorly consolidated; stiff; medium plasticity; moist. 1.6-3.6' SAMPLE. Recovered 2.0/2.0' = 100%. SANDY CLAY: moderate yellowish brown (10 YR 5/4); non-stratified; fine to very coarse-grained sand; poor sorting; subangular; quartzose; poor consolidation; stiff; medium plasticity; calcareous; moist. 3.6-5.6' SAMPLE. Recovered 1.95/2.0' = 97%. SANDY CLAY: same as above; light brown (5 YR 5/6) to dark yellowish orange (10 YR 6/6); increased calcareous deposits.	HNu Background: 0.0 OVA Background: 0.0 All readings on cuttings, in breathing zone, on core, and in augers: 0.0; unless otherwise noted below. 5.4-6.4' SAMPLE PZ13890506 PZ13890506D PZ13890506FB

PZ1389A

WELL NO. B213789

LOG OF BOREHOLE

DEPTH (FT)	GRAPHIC LOG	SAMPLE TYPE	LITHOLOGIC DESCRIPTION	SAMPLES COLLECTED OR OTHER TESTS PERFORMED
5			5.6-7.6' SAMPLE. Recovered 1.9/2.0' = 95%. 5.6-6.4': SANDY CLAY: same as above. ARAPAHOE/LARAMIE FORMATION 6.4-6.7': CLAYEY SANDSTONE: dark yellowish orange (10 YR 6/6) to grayish orange (10 YR 7/4) to light gray (N 7/0); non-stratified; mottled; fine to coarse-grained sand; poor sorting; subangular; quartzose; poorly consolidated; calcareous; very weathered; moist. 6.7-7.5': CLAYSTONE: very light gray (N 8/0); non-stratified; blocky; moderately consolidated; medium to high plasticity; weathered; abundant iron oxide staining; moist. 7.6-9.6' SAMPLE. Recovered 2.0/2.0' = 100%. CLAYSTONE: same as above; light olive gray (5 Y 5/2) to dark yellowish orange (10 YR 6/6) to medium light gray (N 6/0); mottled; calcareous deposits. TOTAL DEPTH = 9.6'	
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12				
13				

PZ13898

WELL COMPLETION INFORMATION

QA By/Date Jarell Burman 10-14-89

Location Rocky Flats Plant; Original Process Waste Lines (RFP) **Well No.** B213789

Coordinates N 37546.69 E 23573.81 **Elevation: Ground Surface** 5917.8'

Total Depth: Well 8.25' **Top of Casing** 5920.01'

Borehole 9.4'

Formation of Completion Colluvium

Casing Material Schedule 40 PVC **Casing Diameter** 2 3/8" O.D.

Screen Material Schedule 40 10-slotted PVC **Surface Casing Diameter** 5 5/8" O.D.

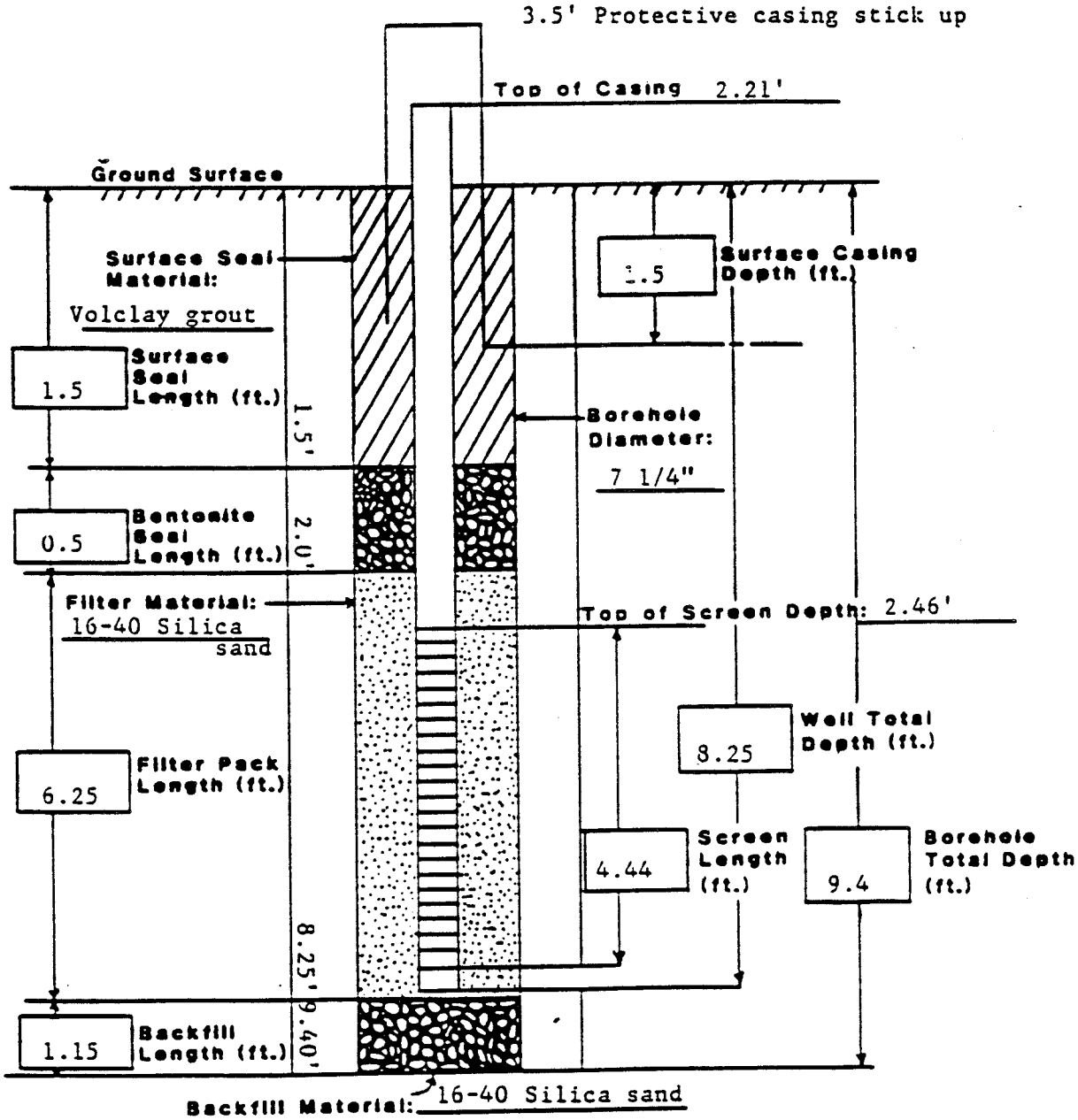
Date Installed 06/13/1989 **Approved By** Jarell Burman

Installed By S.P. Carpenter **Site Manager**

Geologist

CEARP Manager

Comments Set stainless steel centralizer from 6.92' to 8.13' below ground surface.



LOG OF BOREHOLE

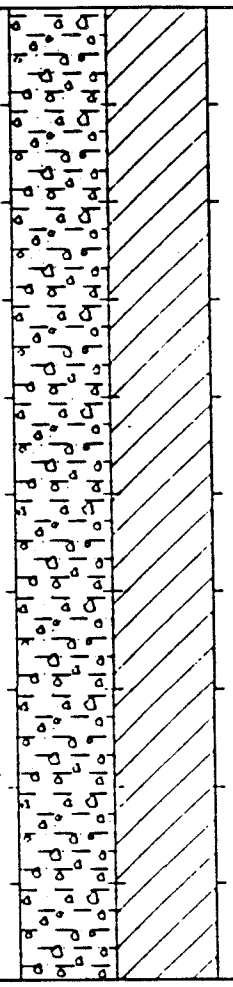
QA BY/DATE J.B. Burman / 11-28-89
LOCATION Rocky Flats Plant: Solar Ponds Area
COORDINATES N37,778.78 E21,206.43 (RFP)
TOTAL DEPTH 38.3'

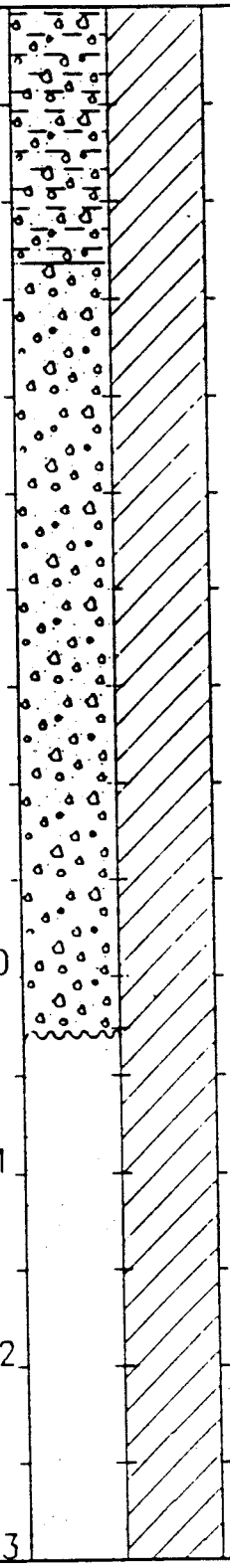
DRILLING COMPANY Boyles Brothers
DATE DRILLED May 25, 1989
DRILLING METHOD Hollow Stem Auger
LOGGED BY R.A. Chapuis
GEOLOGIST

BOREHOLE/WELL NO. P209189
GROUND SURFACE ELEVATION 5980.66'
WATER LEVEL ENCOUNTERED 14.3'
STATIC 8.95' (09/27/89)
DRILLER R. Sharp HELPER P. Mesa
DRILLING FLUID None
CHECKED BY J.B. Burman
SITE MANAGER

CEARP MANAGER

COMMENTS

DEPTH (FT)	GRAPHIC LOG	SAMPLE TYPE	LITHOLOGIC DESCRIPTION	SAMPLES COLLECTED OR OTHER TESTS PERFORMED
0 1 2 3 4 5			**ARTIFICIAL FILL** 0.0-2.3' SAMPLE. Recovered 1.3/2.3' = 57%. CLAYEY SAND AND GRAVEL: pale yellowish brown (10 YR 6/2) to dark yellowish brown (10 YR 4/2); mottled; (40%) sand; fine to coarse-grained sand; poorly sorted; angular to subrounded; quartzose; loose; (35%) gravel up to 4 cm; rounded to subangular; poorly sorted; quartzite; (25%) low to medium plastic fines; unconsolidated; firm (gc-sp); slightly moist. **ROCKY FLATS ALLUVIUM** 2.3-4.3' SAMPLE. Recovered 1.0/2.0' = 50%. CLAYEY SAND AND GRAVEL: same as above; grayish brown (5 Y 3/2); (50%) gravel; poorly sorted; subangular to rounded; quartzite; (30%) fine to coarse-grained sand; poorly sorted; subangular to subrounded; (20%) medium plastic fines; firm; moldable; (gc-sp); very slightly damp. 4.3-6.3' SAMPLE. Recovered 2.0/2.0' = 100%. CLAYEY SAND AND GRAVEL: pale yellowish brown (10 YR 6/2) to moderate yellowish brown (5 YR 4/4); (60%) fine to coarse-grained sand; poorly sorted; angular to subrounded; quartzose; (30%) gravel; poorly sorted; subangular to rounded; (10%) medium plastic; firm; calcareous; firm to stiff; moldable; (sp-gp); slightly damp.	HNu Background: 0.0 OVA Background: 0.0 All Readings on cuttings, in breathing zone, on core, and in augers: 0.0; unless otherwise noted below. TRIP BLANK SAMPLE TB052589A 0.0-1.3' SAMPLE SEP1989BR0002 SEP1989BR0002D 0.0-3.0' SAMPLE SEP1989BR0003 3.0-9.5' SAMPLE SEP1989BR0309 4.3-6.3' SAMPLE SEP1989BR0406 4.3-6.3': Readings on Core: OVA: 70 HNu: 25

DEPTH (FT)	GRAPHIC LOG	SAMPLE TYPE	LITHOLOGIC DESCRIPTION	SAMPLES COLLECTED OR OTHER TESTS PERFORMED
5			**6.3-8.3' SAMPLE.** Recovered 1.3/2.0' = 60%. SAND AND GRAVEL: same as above; grayish orange pink (5 Y 7/2); less clay (5%); slightly calcareous; weakly consolidated; (sp-gc); dry.	
6			**8.3-10.3' SAMPLE.** Recovered 1.2/2.0' = 60%. SAND AND GRAVEL: grayish orange pink (5 Y 7/2); (60%) sand; fine to coarse-grained; poorly sorted; (35%) gravel; rounded; quartzite; (5%) non to low plastic fines; unconsolidated; (sp-gp); slightly moist.	8.3-9.5' SAMPLE SEP1989BR0810
7			**ARAPAHOE/LARAMIE FORMATION** **10.3-12.3' SAMPLE.** Recovered 2.0/2.0' = 100%. SANDSTONE: light olive gray (5 Y 5/2); (85%) fine-grained sand; well sorted; subangular to subrounded; quartzose; (15%) non to low plastic fines; weakly consolidated; soft; very moist.	10.3-16.3' SAMPLE SEP1989BR1016
8			**12.3-14.3' SAMPLE.** Recovered 2.0/2.0' = 100%. SANDSTONE: same as above; calcareous in part; staining in layers (5 cm thick); light olive gray (3 Y 6/1); sand is speckled; firm to stiff; very moist.	12.3-14.3' SAMPLE SEP1989BR1214
9				▼ 8.95'
10				
11				
12				
13				

DEPTH (FT)	GRAPHIC LOG	SAMPLE TYPE	LITHOLOGIC DESCRIPTION	SAMPLES COLLECTED OR OTHER TESTS PERFORMED
13 14 15 16 17 18 19 20 21			**14.3-16.3' SAMPLE.** Recovered 2.0/2.0' = 100%. SANDSTONE: same as above; more sand; upper fine to medium-grained; well sorted; subrounded; coarsening downward; soft; iron-staining in layers; scattered lignite--black (N 1/0); wet. **16.3-18.3' SAMPLE.** Recovered 2.0/2.0' = 100%. 16.3-17.2': SANDSTONE: same as above. 17.2-18.3': SILTY CLAYSTONE: light gray (N 7/0); (80%) non to medium plastic fines; (20%) very fine-grained sand; occasional lignite streaks--black (N 1/0); soft to firm; wet. **18.3-20.3' SAMPLE.** Recovered 2.0/2.0' = 100%. 18.3-19.8': SANDSTONE AND SILTY CLAYSTONE: dark yellowish orange (10 YR 6/6); interbedded sandstone; (80%); fine-grained sand; well sorted; subangular to angular; (20%) non to low plastic fines; (95%) non to medium plastic fines; (5%) very fine-grained sand; weakly consolidated; firm to stiff; moldable; wet. 19.8-20.3': SILTY CLAYSTONE: same as 17.2-18.3.' **20.3-21.3' SAMPLE.** Recovered 2.0/1.0' = 200%. SILTY SANDSTONE: medium gray (N 5/0) in upper 1 foot to dark yellowish orange (10 YR 6/6) in lower foot; speckled; (80%) very fine-grained sand; well sorted; subangular to angular; (20%) non to low plastic fines; poorly consolidated; soft to stiff; wet.	14.3' **16.3-18.3' SAMPLE** SEP1989BR1618 **16.3-22.3' SAMPLE** SEP1989BR1622 SEP1989BR1622D **20.3-21.3' SAMPLE** SEP1989BR2021 **FIELD BLANKS** SEP1989BR0022FB SEP1989BR0023FB

DEPTH (FT)	GRAPHIC LOG	SAMPLE TYPE	LITHOLOGIC DESCRIPTION	SAMPLES COLLECTED OR OTHER TESTS PERFORMED
21			21.3-22.3' SAMPLE. Recovered 2.0/1.0' = 200%. SANDSTONE: same as above; lenses of medium gray (N 5/0) and yellowish orange (10 YR 6/6); iron stains; more clay in yellowish orange zones (15-20%); wet.	
22			22.3-23.3' SAMPLE. Recovered 1.0/1.0' = 100%. SANDSTONE: same as above; drier in sandier portions; more clay towards bottom; soft to firm; wet to moist.	22.3-23.3' SAMPLE SEP1989BR2223
23			23.3-24.3' SAMPLE. Recovered 1.0/1.0' = 100%. SANDSTONE: same as above.	
			24.3-25.3' SAMPLE. Recovered 1.0/1.0' = 100%. SANDSTONE: same as above; thin iron-stained layers; a little drier--still very moist to wet.	
24			25.3-26.3' SAMPLE. Recovered 1.0/1.0' = 100%. SANDSTONE: same as 21.3-22.3'; lower 0.5' color between light brown (5 YR 5/6) and dark yellowish orange (10 YR 6/6); wet.	
25			26.3-27.3' SAMPLE. Recovered 1.0/1.0' = 100%. SANDSTONE: same as above; interbedded clay lenses; (80%) fine-grained sandstone; well sorted; subangular; (20%) non-plastic fines; weakly consolidated; claystone (75%)--low to medium plastic fines; (25%) very fine-grained sand; wet.	
26			27.3-28.3' SAMPLE. Recovered 1.0/1.0' = 100%. SANDSTONE AND CLAYSTONE: same as above; medium gray (N 5/0) to dark yellowish orange (10 YR 6/6); interbedded; very fine-grained sand; more claystone towards the bottom; claystone shows increasing clay content.	
27			28.3-29.3' SAMPLE. Recovered 1.0/1.0' = 100%. CLAYSTONE AND SANDSTONE: medium dark gray (N 4/0) to dark yellowish orange (10 YR 6/6); interbedded; more claystone; claystone (85%)--low to medium plastic fines; (15%) very fine-grained sand; sandstone is same as 26.3-27.3'; well sorted; subangular; lenses; firm; wet.	
28				
29				

DEPTH (FT)	GRAPHIC LOG	SAMPLE TYPE	LITHOLOGIC DESCRIPTION	SAMPLES COLLECTED OR OTHER TESTS PERFORMED
29			29.3-30.3' SAMPLE. Recovered 1.0/1.0' = 100%. CLAYSTONE AND SANDSTONE: same as above; interbedded ironstone concretions; lower 0.5' sandstone; dark yellowish orange (10 YR 6/6); fine-grained; soft; wet.	
30			30.3-31.3' SAMPLE. Recovered 1.0/1.0' = 100%. CLAYEY SANDSTONE AND SANDSTONE: dark yellowish orange (10 YR 6/6); (70%) fine-grained sand; well sorted; subangular; (30%) non to low plastic fines; iron staining; increasing sand with depth; firm; wet.	
31			31.3-32.3' SAMPLE. Recovered 1.0/1.0' = 100%. CLAYEY SANDSTONE: moderate brown (5 YR 4/4); interbedded; (75%) fine-grained sand; well sorted; subangular; (25%) non to medium plastic fines; claystone lenses; weakly consolidated; firm to stiff; moist.	
32			32.3-33.3' SAMPLE. Recovered 1.0/1.0' = 100%. CLAYEY SANDSTONE: same as above; pale yellowish orange (10 YR 8/6); claystone--moderate brown (5 YR 4/4); interbedded sand lenses are siltier; clay lenses have less sand.	
33			33.3-34.3' SAMPLE. Recovered 1.0/1.0' = 100%. SANDY SILTY CLAYSTONE: interbedded; same as above; (80%) claystone; low to medium plastic fines; (30%) non to medium plastic fines; (20%) fine-grained sand; well sorted; subangular; stiff; moist.	
34			34.3-35.3' SAMPLE. Recovered 1.0/1.0' = 100%. SILTY CLAYSTONE: medium dark gray (N 4/0); (100%) low to medium plastic fines; stiff to very stiff; dry.	
35			35.3-36.3' SAMPLE. Recovered 1.0/1.0' = 100%. SILTY CLAYSTONE: same as above; less silt.	
36			36.3-37.3' SAMPLE. Recovered 1.0/1.0' = 100%. SILTY CLAYSTONE: same as 34.3-35.3'; (100%) non to medium plastic fines; stiff.	
37				

WELL NO. P209189

LOG OF BOREHOLE

DEPTH (FT)	GRAPHIC LOG	SAMPLE TYPE	LITHOLOGIC DESCRIPTION	SAMPLES COLLECTED OR OTHER TESTS PERFORMED
37			Note: 37.3-38.3': Drilled with center bit. No sample recovered.	
38			TOTAL DEPTH = 38.3'	
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44				
45				

SEP1988F

LOG OF BOREHOLE

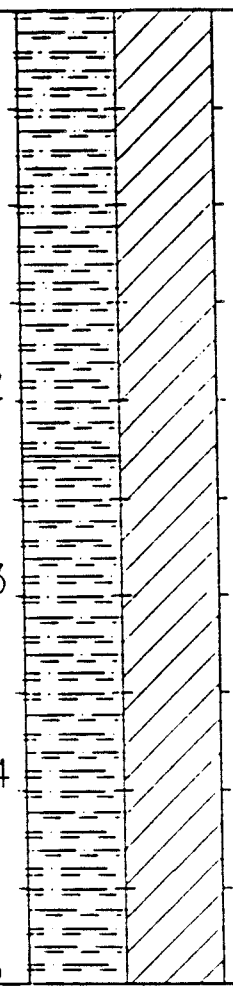
QA BY/DATE J.B. Burman 11-29-89
LOCATION Rocky Flats Plant: Solar Ponds Area
COORDINATES N37,767.66 E21,307.33 (RFP)
TOTAL DEPTH 38.6'

DRILLING COMPANY Boyles Brothers
DATE DRILLED May 19, 1989
DRILLING METHOD Hollow Stem Auger
LOGGED BY J.E. Marks
GEOLOGIST

BOREHOLE/WELL NO. P210189
GROUND SURFACE ELEVATION 5980.82'
WATER LEVEL ENCOUNTERED 14.6'
STATIC 9.91' (09/28/89)
DRILLER R. Sharp HELPER R. Orr
DRILLING FLUID None
CHECKED BY J.B. Burman
SITE MANAGER

CEARP MANAGER

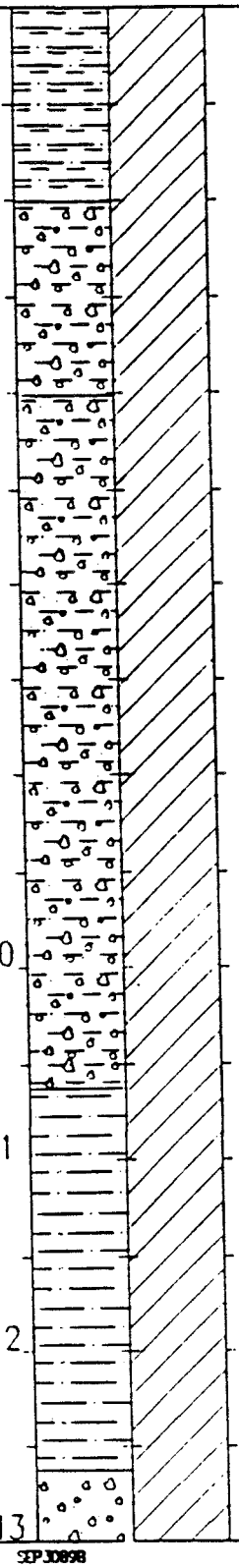
COMMENTS

DEPTH (FT)	GRAPHIC LOG	SAMPLE TYPE	LITHOLOGIC DESCRIPTION	SAMPLES COLLECTED OR OTHER TESTS PERFORMED
0 1 2 3 4 5			**TOPSOIL** 0.0-2.3' SAMPLE. Recovered 0.3/2.3' = 39%. SANDY CLAYEY SILT: moderate yellowish brown (10 YR 5/4); coarse to fine-grained sand; unsorted; subangular; 10% gravel--fine-grained pebble; abundant vegetation--roots; semiconsolidated; stiff; (ml); dry to slightly moist. **ROCKY FLATS ALLUVIUM** 2.3-4.6' SAMPLE. Recovered 2.3/2.3' = 100%. 2.3-4.0': SILTY CLAY: moderate yellowish brown (10 YR 5/4); 10% gravel up to 3 cm; angular; moderate plasticity; consolidated; soft; moist to dry. 4.0-4.6': SILTY CLAY: dark yellowish brown (10 YR 4/2); 15% gravel up to 4 cm; angular; granite; moderately plastic; consolidated; (cl); moist to wet. 4.6-6.6' SAMPLE. Recovered 2.0/2.0' = 100%. 4.6-6.0': SILTY CLAY: moderate reddish brown (10 R 4/6); iron-stained; 15% gravel up to 3 cm; angular; quartzite and granite; 10% sand in part; coarse-grained; unsorted; consolidated; moderately stiff; (cl); moist to dry. 6.0-6.6': CLAYEY GRAVEL: moderate yellowish brown (10 YR 5/4); gravel up to 3 cm; angular; mostly quartzite; (15%) very fine-grained sand; caliche in part; (gc); moist to dry.	All readings on cuttings, in breathing zone, on core, and in augers: 0.0; unless otherwise noted below. TRIP BLANK SAMPLE TB051989A 0.0-2.3' SAMPLE (VOAs only) SEP3089BR0002 0.0-3.0' SAMPLE SEP30890003 3.0-9.0' SAMPLE SEP3089BR0309 4.6-6.6' SAMPLE (VOAs only) SEP3089BR0406

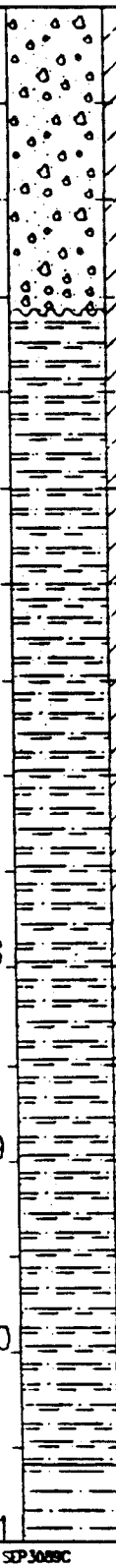
SEP3089A

WELL NO. P210189

LOG OF BOREHOLE

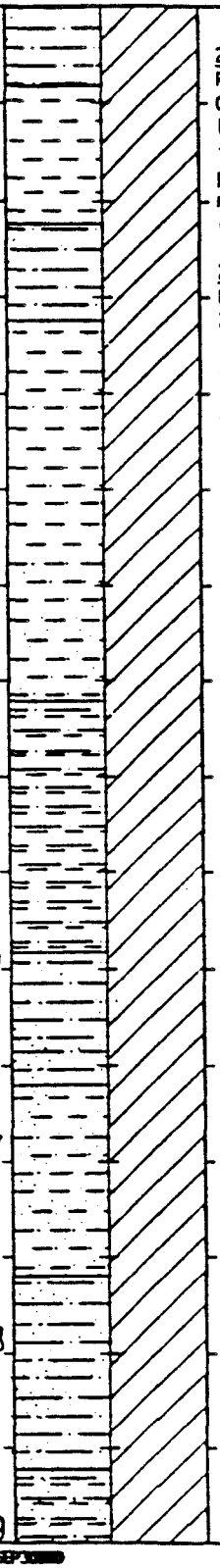
DEPTH (FT)	GRAPHIC LOG	SAMPLE TYPE	LITHOLOGIC DESCRIPTION	SAMPLES COLLECTED OR OTHER TESTS PERFORMED
5 6 7 8 9 10 11 12 13			6.6-8.6' SAMPLE. Recovered 2.0/2.0' = 100%. 6.6-7.0': CLAYEY GRAVEL: moderate brown (5 YR 4/4). 7.0-8.6': SANDY CLAYEY GRAVEL: pale yellowish brown (10 YR 6/2) to very pale orange (10 YR 8/2); mottled; some moderate olive brown (5 Y 4/4); gravel up to 4 cm; angular; mostly quartzite; coarse to fine-grained sand; unsorted; angular; caliche in part; semiconsolidated; (gc); dry to moist. 8.6-10.6' SAMPLE. Recovered 0.8/2.0' = 40%. SANDY CLAYEY GRAVEL: same as above; gravel up to 6 cm; semiconsolidated to unconsolidated; (sm); dry. 10.6-12.6' SAMPLE. Recovered 2.0/2.0' = 100%. SILTY SAND: dusky yellow (5 Y 6/4); coarse to fine-grained sand; unsorted; subangular; mostly quartz; 10% fine gravel; 10% clay in part; no to low plasticity; semiconsolidated to unconsolidated; loose to firm; moist to slightly wet. 12.6-14.6' SAMPLE. Recovered 1.0/2.0' = 50%. GRAVELLY SAND: dusky yellow (5 Y 6/4); coarse to fine-grained sand; unsorted; 15% silt; unconsolidated; (sw); mostly dry.	6.6': Reading in Auger: OVA: 110 8.6-9.4' SAMPLE (VOAs only) SEP3089BR0810 9.0-14.6' SAMPLE SEP3089BR0915 12.6-13.6' SAMPLE (VOAs only) SEP3089BR1214 9.91'

SEP3089B

DEPTH (FT)	GRAPHIC LOG	SAMPLE TYPE	LITHOLOGIC DESCRIPTION	SAMPLES COLLECTED OR OTHER TESTS PERFORMED
13 14 15 16 17 18 19 20 21			**ARAPAHOE/LARAMIE FORMATION** 14.6-16.6' SAMPLE. Recovered 2.0/2.0' = 100%. CLAYEY SANDY SILTSTONE: dusky yellow (5 Y 6/4); yellowish gray (5 Y 7/2); mottled; abundant iron-stain; weathered; interbedded; very sandy and clayey in part; very fine-grained sand; well sorted; mostly quartz; consolidated yet friable; wet. 16.6-18.6' SAMPLE. Recovered 2.2/2.0' = 110%. SANDY SILTY CLAYSTONE: dark yellowish orange (10 YR 6/6); some yellowish gray (5 Y 7/2); mottled; abundant iron-stain and organic stain--black (N 1/0); very fine-grained sand; well sorted; quartzose; more sandy from 17.8-18.6'; moderate plasticity; consolidated; moderately hard; moist. 18.6-20.6' SAMPLE. Recovered 2.2/2.0' = 110%. SANDY SILTY CLAYSTONE: same as above; more interbedded; very weathered and iron-stained; trace lignite pieces; moist. 20.6-22.6' SAMPLE. Recovered 2.2/2.0' = 110%. 20.6-21.4': SILTY SANDSTONE: dark yellowish orange (10 YR 6/6) and yellowish gray (5 Y 7/2); mottled; iron-stained; weathered; very fine-grained sand; well sorted; consolidated yet friable; wet. 21.4-22.1': CLAYSTONE: pale yellowish brown (10 YR 4/2); moderate plasticity; moderately hard; wet. 22.1-22.6': SILTY SANDSTONE: same as 20.6-21.4'; interbedded throughout.	14.6-20.6' SAMPLE SEP3089BR1521 14.6' 16.6-18.6' SAMPLE (VOAs only) SEP3089BR1618 20.6-22.6' SAMPLE (VOAs only) SEP3089BR2022 20.6-26.6' SAMPLE SEP3089BR2127

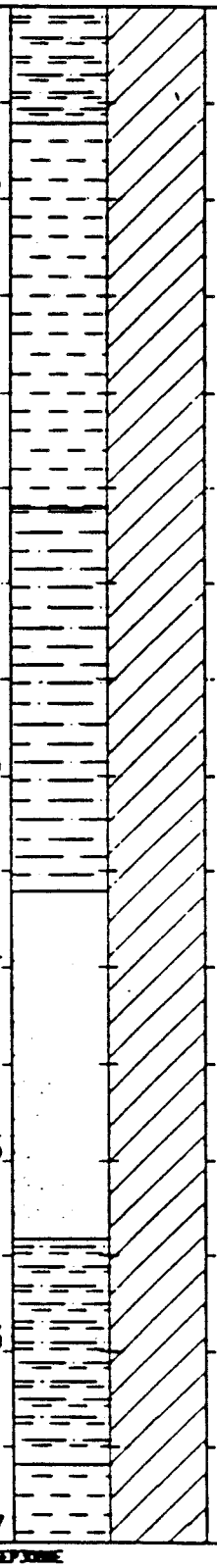
WELL NO. P210189

LOG OF BOREHOLE

DEPTH (FT)	GRAPHIC LOG	SAMPLE TYPE	LITHOLOGIC DESCRIPTION	SAMPLES COLLECTED OR OTHER TESTS PERFORMED
21 22 23 24 25 26 27 28 29			22.6-24.6' SAMPLE. Recovered 2.2/2.0' = 110%. CLAYSTONE AND SANDSTONE: light brown (5 YR 5/6) to light olive gray (5 Y 6/1); mottled; weathered; interbedded; very fine-grained sandstone (4.0-3.5 phi); well sorted; quartzose; tight; clay; moderate plasticity; trace organic staining--black (N 1/0); consolidated; moderately hard; wet. 24.6-26.6' SAMPLE. Recovered 2.3/2.0' = 115%. 24.6-25.9': SILTY CLAYSTONE: dark yellowish orange (10 YR 6/6) to yellowish gray (5 Y 7/2); mottled; abundant iron-stains; vertical iron-stained fracture between 24.6-25.0'; moderate brown (5 Y 4/4); moderately hard; moist. 25.9-26.6': SILTY SANDSTONE: yellowish gray (5 Y 3/2); very fine-grained sand (4.0-3.5 phi); well sorted; quartzose; some interbedded clay; some iron-stains--dark yellowish orange (10 YR 6/6); tight; moderately hard yet friable; moist. 26.6-27.6' SAMPLE. Recovered 1.7/1.0' = 170%. Note: Abundant slough in the core barrel. CLAYEY SANDSTONE: light gray (N 7/0) to dark yellowish orange (10 YR 6/6); mottled; interbedded; very fine-grained sand (4.0-3.5 phi); well sorted; mostly quartz; very tight; some parts very clayey; moderate plasticity; consolidated; moderately soft; wet. 27.6-28.6' SAMPLE. Recovered 0.9/1.0' = 90%. SILTY SANDSTONE: same as above; less clay; more sand and silt; low to no plasticity; friable. 28.6-29.6' SAMPLE. Recovered 1.1/1.0' = 110%. SANDY CLAYSTONE AND SILTY SANDSTONE: dusky yellow (5 Y 6/4) to yellowish gray (5 Y 7/2); more clayey toward top; very fine-grained sand (4.0-3.5 phi); mostly quartz; tight; interbedded with silt; consolidated; moderately soft; wet to moist.	24.6-26.6' SAMPLE (VOAs only) SEP3089BR2426

WELL NO. P210189

LOG OF BOREHOLE

DEPTH (FT)	GRAPHIC LOG	SAMPLE TYPE	LITHOLOGIC DESCRIPTION	SAMPLES COLLECTED OR OTHER TESTS PERFORMED
29 30 31 32 33 34 35 36 37			29.6-30.6' SAMPLE. Recovered 1.1/1.0' = 110%. SANDY CLAYSTONE: dusky yellow (5 Y 6/4) to light gray (N 7/0); very sandy in places; very fine-grained; moderate to low plasticity; consolidated; moderately soft; wet. 30.6-31.6' SAMPLE. Recovered 1.3/1.0' = 130%. SANDY CLAYSTONE: same as above; moderate plasticity; very sandy toward bottom. 31.6-32.6' SAMPLE. Recovered 0.8/1.0' = 80%. SILTY SANDSTONE: light gray (N 7/0) to dusky yellowish orange (10 YR 6/6); medium-grained sand (2.0-1.5 phi); well sorted; quartzose; subrounded; consolidated; soft; friable; wet. 32.6-33.6' SAMPLE. Recovered 1.0/1.0' = 100%. SILTY SANDSTONE: same as above. 33.6-34.6' SAMPLE. Recovered 1.1/1.0' = 110%. SANDSTONE: dark yellowish orange (10 YR 6/6); medium-grained sand (2.5-2.0 phi); well sorted; 15% silt in part; some very silty; consolidated yet friable; wet. 34.6-35.6' SAMPLE. Recovered 0.2/1.0' = 20%. SANDSTONE: dark yellowish orange (10 YR 6/6); same as above. 35.6-36.6' SAMPLE. Recovered 1.7/1.0' = 170%. 34.6-35.4': SANDSTONE: same as above. 35.4-36.6': SILTY CLAYSTONE: light olive gray (5 Y 6/1); to dark yellowish orange (10 YR 6/6); medium to high plasticity; stiff to hard; wet to moist. Note: Excess core recovery due to retrieval of lost core from previous run. 36.6-37.6' SAMPLE. Recovered 1.8/1.0' = 180%. CLAYSTONE: dusky yellow (5 Y 6/4); abundant iron stains--light brown (5 YR 5/6); weathered; moderate to high plasticity; consolidated; moderately hard; moist.	

WELL NO. P210189

LOG OF BOREHOLE

DEPTH (FT)	GRAPHIC LOG	SAMPLE TYPE	LITHOLOGIC DESCRIPTION	SAMPLES COLLECTED OR OTHER TESTS PERFORMED
37			37.6-38.6' SAMPLE. Recovered 2.0/1.0' = 200%. CLAYSTONE: same as above. TOTAL DEPTH = 38.6'	
38				
39				
40				
41				
42				
43				
44				
45				

SEP3088F

LOG OF BOREHOLE

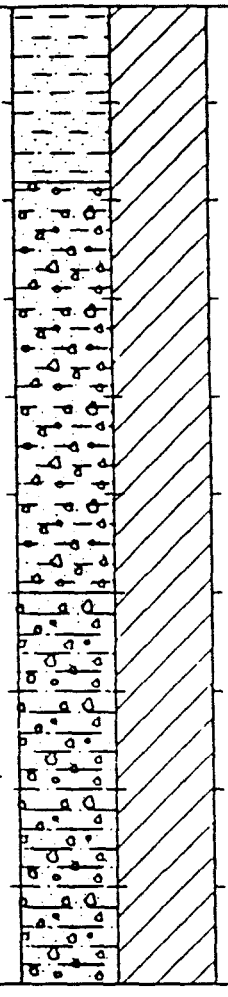
QA BY/DATE J.B. Berman 12-4-89
LOCATION Rocky Flats Plant; Original Process Waste Line
COORDINATES N37,478.56 E22,997.66 (RFP)
TOTAL DEPTH 9.7'

DRILLING COMPANY Boyles Brothers
DATE DRILLED June 19, 1989
DRILLING METHOD Hollow Stem Auger
LOGGED BY S.P. Carpenter
GEOLOGIST

BOREHOLE/WELL NO. PZ13989
GROUND SURFACE ELEVATION 5954.3'
WATER LEVEL ENCOUNTERED None
STATIC None (09/15/89)
DRILLER R. Sharp HELPER T. Merritt
DRILLING FLUID None
CHECKED BY J.B. Berman
SITE MANAGER

CEARP MANAGER

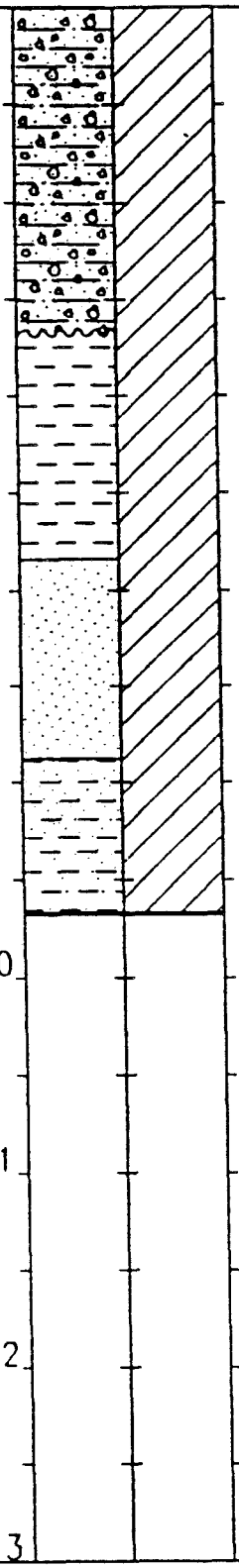
COMMENTS

DEPTH (FT)	GRAPHIC LOG	SAMPLE TYPE	LITHOLOGIC DESCRIPTION	SAMPLES COLLECTED OR OTHER TESTS PERFORMED
0 1 2 3 4 5			**ARTIFICIAL FILL** 0.0-1.7' SAMPLE. Recovered 1.55/1.7' = 91%. 0.0-0.8': SANDY CLAY: dark yellowish orange (10 YR 6/6); nonstratified; fine- to coarse-grained sand; moderately consolidated; non-cemented; low to medium plastic; stiff; moist. 0.8-1.55': SANDY GRAVELLY CLAY: moderate brown (5 YR 3/4); fine- to coarse-grained sand; 1 to 3 mm gravel; poorly sorted; subangular; quartzose; low plastic; stiff; moist. 1.7-3.7' SAMPLE. Recovered 1.9/2.0' = 95%. 1.7-3.0': SANDY GRAVELLY CLAY: same as above; moderate brown (5 YR 3/4) to moderate reddish brown (10 YR 4/6). **ROCKY FLATS ALLUVIUM** 3.0-3.6': GRAVELLY SILTY SAND: moderate orange pink (5 YR 8/4); fine- to coarse-grained sand; 1-4 mm gravels; poorly sorted; subangular; quartzose; nonstratified; unconsolidated; dense to very dense; calcareous; dry. 3.7-5.7' SAMPLE. Recovered 2.0/2.0' = 100%. GRAVELLY SILTY SAND: same as above; moderate orange pink (5 YR 8/4) to light brown (5 YR 5/6); 1-6 mm gravels; trace of 1-2 mm clay laminations.	HNu Background: 0.0 OVA Background: 0.0 All readings on cuttings, in breathing zone, on core, and in augers: 0.0; unless otherwise noted below. 5.9-6.7' SAMPLE PZ14A890507

13988A

WELL NO. P213989

LOG OF BOREHOLE

DEPTH (FT)	GRAPHIC LOG	SAMPLE TYPE	LITHOLOGIC DESCRIPTION	SAMPLES COLLECTED OR OTHER TESTS PERFORMED
5 6 7 8 9 10 11 12 13			5.7-7.7' SAMPLE. Recovered 1.5/2.0' = 75%. 5.7-6.7': GRAVELLY SILTY SAND: same as above; slightly moist at contact with claystone bedrock. ARAPAHOE/LARAMIE FORMATION 6.7-7.2': CLAYSTONE: light olive gray (5 Y 6/1); nonstratified; moderately consolidated; blocky; weathered; medium to high plastic; iron oxide staining; calcareous; moist. 7.7-9.7' SAMPLE. Recovered 1.7/2.0' = 85%. 7.7-7.8': CLAYSTONE: same as above. 7.8-8.8': SANDSTONE: light gray (N 7/0); very fine- to fine-grained sand; moderate sorting; subangular; quartzose; nonstratified; unconsolidated; non-cemented; slightly calcareous with increasing clay content and iron oxide staining with depth. 8.8-9.4': INTERBEDDED CLAYSTONE AND SANDSTONE: same as above; with lenses of 1-5 mm in thickness. TOTAL DEPTH = 9.7'	7.7-9.7': Reading in Auger: OVA: 5

139898

WELL COMPLETION INFORMATION

QA By/Date Farrell Berman 11-20 89

Location Rocky Flats Plant: Original Process Waste Lines

Well No. P213989

Coordinates N 37478.56 E 22997.66 (SFP)

Elevation: Ground Surface 5954.3'

Total Depth: Well 7.2'

Top of Casing 5956.38'

Borehole 9.7'

Formation of Completion Rocky Flats Alluvium

Casing Material Schedule 80 PVC

Casing Diameter 2 3/8" O.D.

Screen Material Schedule 80 10-slotted PVC

Surface Casing Diameter 5 5/8" O.D.

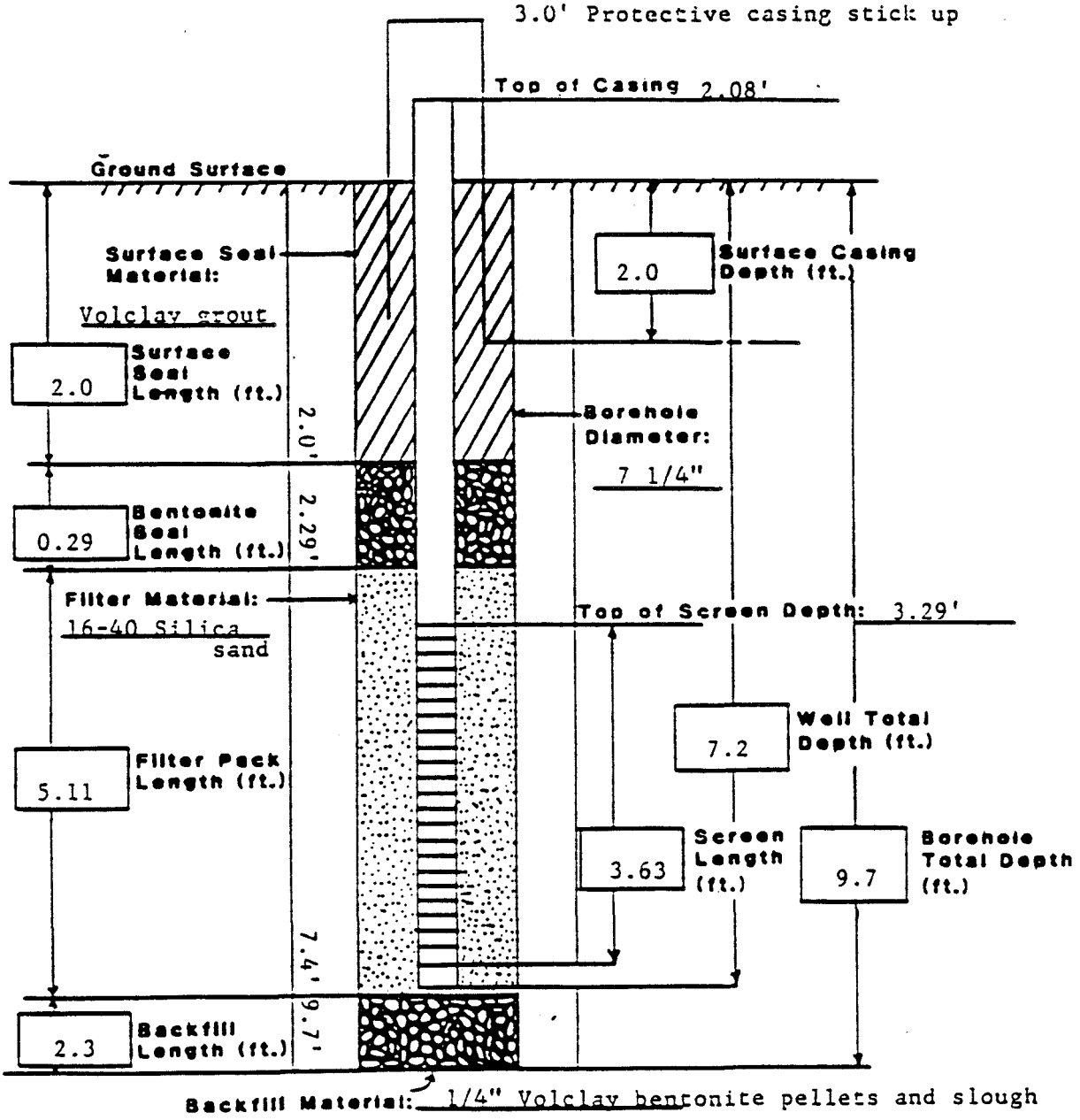
Date Installed 06/19/1989

Approved By Farrell Berman
Site Manager

Installed By S.P. Carpenter
Geologist

CEARP Manager

Comments



Backfill Material: 1/4" Volclay bentonite pellets and slough

LOG OF BOREHOLE

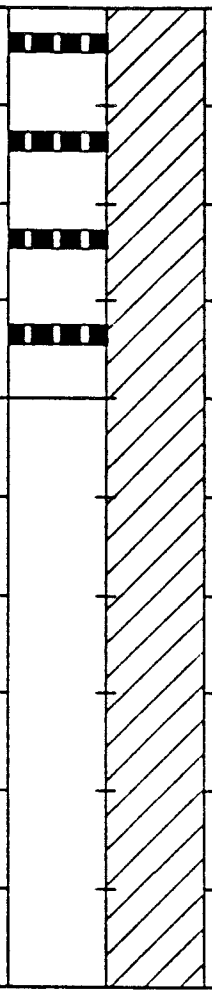
QA BY/DATE J.B. Berman 12-22-90
LOCATION Rocky Flats Plant ; Building 774
COORDINATES N38,144.02 E21,014.40 (RFP)
TOTAL DEPTH 5.0'

DRILLING COMPANY Boyles Brothers
DATE DRILLED 11/9/89
DRILLING METHOD Hollow Stem Auger
LOGGED BY K. E. Miller
GEOLOGIST

BOREHOLE/WELL NO. P218489
GROUND SURFACE ELEVATION 5949.1'
WATER LEVEL ENCOUNTERED None
STATIC N/A
DRILLER T. Merritt HELPER K. Parker
DRILLING FLUID None
CHECKED BY J.B. Berman
SITE MANAGER

CEARP MANAGER

COMMENTS Drilling Suspended after water line pierced.

DEPTH (FT)	GRAPHIC LOG	SAMPLE TYPE	LITHOLOGIC DESCRIPTION	SAMPLES COLLECTED OR OTHER TESTS PERFORMED
0 1 2 3 4 5			ARTIFICIAL FILL 0.0-2.0' SAMPLE. Recovered 0.6/2.0' = 30%. ASPHALT: black (N 1/0); no fill recovered. 2.0-4.0' SAMPLE. Recovered 0.4/2.0' = 25%. ASPHALT: black (N 1/0); trace gravel 1-2 cm, quartzite, soft; unconsolidated; wet. 4.0-5.0' SAMPLE. Recovered 0.0/1.0' = 0%. TOTAL DEPTH 5.0'	HNu Background: 0.0 All readings on cuttings; on core; in breaching zone; and in augers: 0.0; unless otherwise noted below.

18489A.cv

LOG OF BOREHOLE

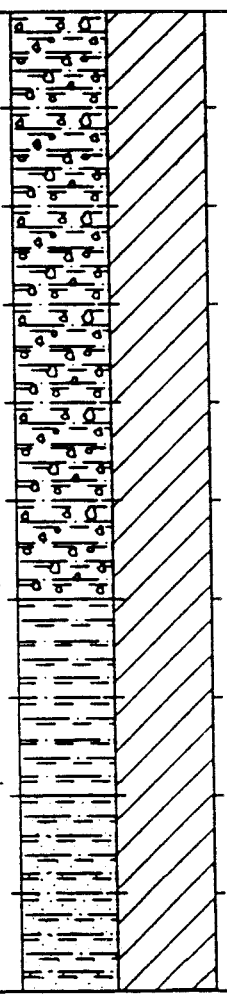
QA BY/DATE J.B. Burman / 2-22-90
LOCATION Rocky Flats Plant; Original Process Waste Lines
COORDINATES N37,427.02 E22,546.95 (RFP)
TOTAL DEPTH 32.0'

DRILLING COMPANY Boyles Brothers
DATE DRILLED December 5 and 6, 1989
DRILLING METHOD Hollow Stem Auger
LOGGED BY R.D. Morrow
GEOLOGIST

BOREHOLE/WELL NO. P219489
GROUND SURFACE ELEVATION 5959.5'
WATER LEVEL ENCOUNTERED 12.0'
STATIC None (01/17/90)
DRILLER K. Parker HELPER T. Merritt, A. Boday
DRILLING FLUID None
CHECKED BY J.B. Burman
SITE MANAGER

CEARP MANAGER

COMMENTS

DEPTH (FT)	GRAPHIC LOG	SAMPLE TYPE	LITHOLOGIC DESCRIPTION	SAMPLES COLLECTED OR OTHER TESTS PERFORMED
0 1 2 3 4 5			**ROCKY FLATS ALLUVIUM** 0.0-2.0' SAMPLE. Recovered 1.7/2.0' = 85%. GRAVELLY SILTY CLAY: moderate brown (5 YR 3/4); homogeneous; 21% fine to coarse, subangular to rounded gravel; silt to 25%; soft to moderately plastic; no HCl reaction; damp. 2.0-4.0' SAMPLE. Recovered 1.9/2.0' = 95%. 2.0-3.0': GRAVELLY SILTY CLAY: same as above; moderate reddish brown (10 R 4/6) to dark reddish brown (10 R 3/4). 3.0-3.9': CLAYEY SILT: moderate orange pink (5 YR 8/4); homogeneous; 25% clay; trace fine-grained, quartzose sand; caliche; soft, strong HCl reaction; damp. 4.0-6.0' SAMPLE. Recovered 2.0/2.0' = 100%. CLAYEY SILTY SAND: light brown (5 YR 6/4); homogeneous; silt to 21%; 25% clay; low plasticity; trace scattered rounded gravel; fine- to medium-grained, angular to subrounded moderately sorted, quartzose sand; caliche, decreasing with depth, strong HCl reaction; damp.	HNu Background: 0.0 All HNu readings in augers, on core, and in breathing zone: 0.0. TRIP BLANK SAMPLE TB1205898 0.0-1.7' SAMPLE (VOAs only) P219489002 2.0-3.9' SAMPLE (VOAs only) P2194890204 0.0-3.0' SAMPLE P2194890003 4.0-6.0' SAMPLE (VOAs only) P2194890406

19468A

WELL NO. P219489

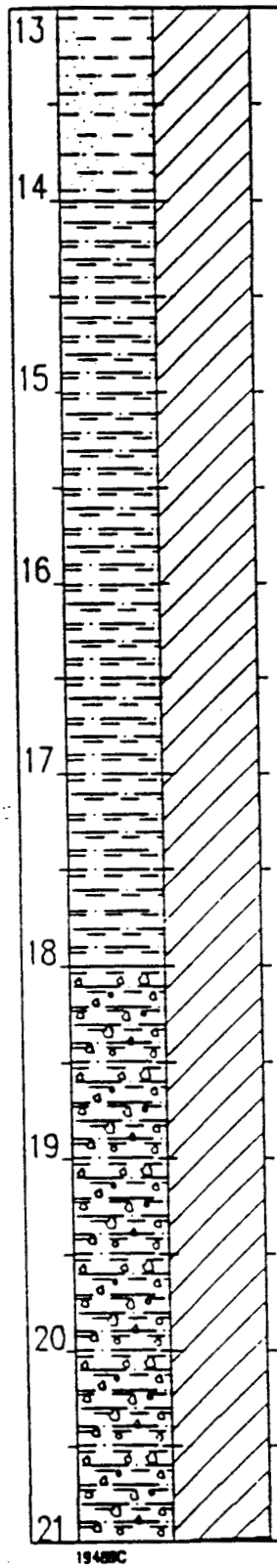
LOG OF BOREHOLE

DEPTH (FT)	GRAPHIC LOG	SAMPLE TYPE	LITHOLOGIC DESCRIPTION	SAMPLES COLLECTED OR OTHER TESTS PERFORMED
5			6.0-8.0' SAMPLE. Recovered 1.8/2.0' = 90%. CLAYEY SILTY SAND: same as above; decreasing clay with depth; gradational to silty sand with depth; no HCl reaction.	3.0-7.0' SAMPLE P2194890307
6			8.0-10.0' SAMPLE. Recovered 2.0/2.0' = 100%. 8.0-9.3': SILTY CLAYEY SAND: light brown (5 YR 5/6 to 5 YR 6/4); homogeneous; unconsolidated; increasing clay with depth; silt to 21%; fine- to medium-grained, moderately sorted, angular to rounded, quartzose sand; trace iron staining; trace fine to medium gravel to 5%; no HCl reaction; damp.	6.0-7.8' SAMPLE (VOAs only) P2194890608 P21948906080 8.0-10.0' SAMPLE (VOAs only) P2194890810
7			9.3-10.0': SANDY SILTY CLAY: moderate yellowish brown (10 YR 5/4) to light olive gray (5 Y 6/1); homogeneous; silt to 20%; sand to 25% decreasing with depth; trace to some medium gravel; trace (5%) caliche; strong HCl reaction; moderately hard; moderately plastic; damp.	7.0-9.3' SAMPLE P2194890709
8			10.0-12.0' SAMPLE. Recovered 2.0/2.0' = 100%. 10.0-11.0': SANDY SILTY CLAY: same as above; increasing gravel with depth.	9.3-11.0' SAMPLE P2194890911 10.0-12.0' SAMPLE (VOAs only) P2194891012
9			11.0-12.0': GRAVELLY CLAYEY SAND; grayish orange (10 YR 7/4) to white (N 9/0) to dark yellowish orange (10 YR 6/6); varicolored; predominantly homogeneous; poorly consolidated to moderately hard; medium, rounded, granitic gravel to 35%; grading to trace SANDY GRAVEL; clay to 25%; low to no plasticity; fine- to coarse-grained, poorly sorted, rounded, quartzose sand; no HCl reactions; damp to wet.	11.0-14.0' SAMPLE P2194891114
10			12.0-14.0' SAMPLE. Recovered 2.0/2.0' = 100%. 12.0-13.8': CLAYEY SAND: same as above; no gravel; trace coarse-grained sand; increasing clay with depth; 60% iron stained.	12.0-14.0' SAMPLE (VOAs only) P2194891214
11			13.8-14.0': SANDY CLAY: grayish orange (10 YR 7/4) to light olive gray (5 Y 6/1); reworked; homogeneous; sand to 35%; grading to clayey sand; sand is as above; some silty; some iron stain laminations; soft to moderately hard; no HCl reactions; damp.	
12				▽ 12.0'
13				

P2194898

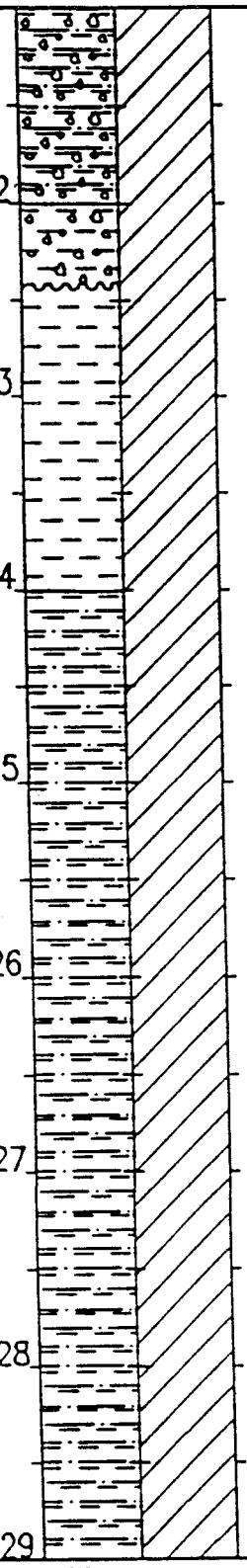
WELL NO. P219489

LOG OF BOREHOLE

DEPTH (FT)	GRAPHIC LOG	SAMPLE TYPE	LITHOLOGIC DESCRIPTION	SAMPLES COLLECTED OR OTHER TESTS PERFORMED
13 14 15 16 17 18 19 20 21			**14.0-16.0' SAMPLE.** Recovered 2.0/2.0' = 100%. SILTY CLAY: light olive gray (5 Y 6/1) to grayish orange (10 YR 7/4); occasionally mottled with grayish red (5 R 4/2); reworked; homogeneous; silt to 35%; iron stained laminations and mottling; trace (less than 1%) very coarse, rounded, quartzose sand; soft to moderately hard; moderately plastic; no HCl reaction; damp. **16.0-18.0' SAMPLE.** Recovered 2.0/2.0' = 100%. 16.0-17.3': SILTY CLAY: same as above; trace carbonaceous material. 17.3-18.0': SILTY CLAY: same as above; reworked; white (N 9/0) to very light gray (N 8/0) calcareous inclusions to 3 cm and calcareous laminations; cryptocrystalline to micro-crystalline; chalky in part; trace black (N 1/0) dendritic manganese; hard; strong HCl reactions. **18.0-20.0' SAMPLE.** Recovered 2.0/2.0' = 100%. SILTY CLAY AND GRAVEL: same as above; trace coarse-grained, rounded, quartzose sand. **20.0-22.0' SAMPLE.** Recovered 1.65/2.0' = 83%. SILTY CLAY AND GRAVEL: same as above; decreasing size gravel.	14.0-18.0' SAMPLE P2194891418 14.0-16.0' SAMPLE (VOAs only) P2194891416 16.0-18.0' SAMPLE (VOAs only) P2194891618 18.0-20.0' SAMPLE (VOAs only) P2194891820 18.0-21.65' SAMPLE P2194891822 20.0-21.65' SAMPLE (VOAs only) P2194892022

WELL NO. P219489

LOG OF BOREHOLE

DEPTH (FT)	GRAPHIC LOG	SAMPLE TYPE	LITHOLOGIC DESCRIPTION	SAMPLES COLLECTED OR OTHER TESTS PERFORMED
21 22 23 24 25 26 27 28 29			22.0-24.0' SAMPLE. Recovered 0.8/2.0' = 40%. 22.0-22.45': CLAY AND GRAVEL: same as above; less silt. ARAPAHOE/LARAMIE FORMATION 22.45-22.8': CLAYSTONE: mottled brownish gray (5 YR 4/1) and olive gray (5 Y 4/1); homogeneous; blocky; trace (5%) carbonaceous material; trace iron staining; moderately hard; moderate to high plasticity; no HCl reactions; dry. 24.0-26.0' SAMPLE. Recovered 2.0/2.0' = 100%. SILTY CLAYSTONE: brownish gray (5 YR 4/1); mottled with dark yellowish orange (10 YR 6/6) iron staining to 25%; iron staining increasing with depth; homogeneous; blocky; silt to 21%; moderate to high plasticity; no HCl reaction; damp to dry. 26.0-28.0' SAMPLE. Recovered 2.0/2.0' = 100%. SILTY CLAYSTONE AND CLAYSTONE: medium dark gray (N 5/0); homogeneous; blocky; trace subfissile; gradational; silt to 25% decreasing with depth; no iron staining except at 27.7'; trace carbonaceous material; moderately hard; high plasticity; no HCl reactions. 28.0-30.0' SAMPLE. Recovered 2.0/2.0' = 100%. 28.0-29.4': CLAYSTONE AND SILTY CLAYSTONE: same as above. 29.4-30.0': CLAYSTONE: dark yellowish orange (10 YR 6/6); subblocky in part; highly iron stained; trace manganese nodules; some silt to 15%; highly plastic; no HCl reaction; damp.	22.0-26.0' SAMPLE P2194892226 22.0-22.8' SAMPLE (VOAs only) P2194892224 24.0-26.0' SAMPLE (VOAs only) P2194892426 FIELD BLANK SAMPLE P2194890026FB

WELL NO. P219489

LOG OF BOREHOLE

DEPTH (FT)	GRAPHIC LOG	SAMPLE TYPE	LITHOLOGIC DESCRIPTION	SAMPLES COLLECTED OR OTHER TESTS PERFORMED
29			30.0-32.0' SAMPLE. Recovered 2.0/2.0 = 100%. SILTY CLAYSTONE: brownish gray (5 YR 4/1) to dark yellowish orange (10 YR 6/6); varicolored; homogeneous; blocky; highly iron stained in part; silt to 35%; trace carbonaceous laminations at 31.9'; medium to high plasticity; no HCl reaction; damp.	
30				
			TOTAL DEPTH 32.0'	
31				
32				
33				
34				
35				
36				
37				

1940BE

WELL COMPLETION INFORMATION

QA By/Date J B Burman 12-29-89

Location Rocky Flats Plant: Original Process Waste Lines **Well No.** P219489

Coordinates N 37427.02 E 22546.95 (RFP) **Elevation: Ground Surface** 5959.5'

Total Depth: Well 24.20' **Top of Casing** 5961.15'

Bentonite 32.0'

Formation of Completion Rocky Flats Alluvium

Casing Material Schedule 40 PVC **Casing Diameter** 2 3/8" O.D.

Screen Material Schedule 40 10-slotted PVC **Surface Casing Diameter** 5 5/8" O.D.

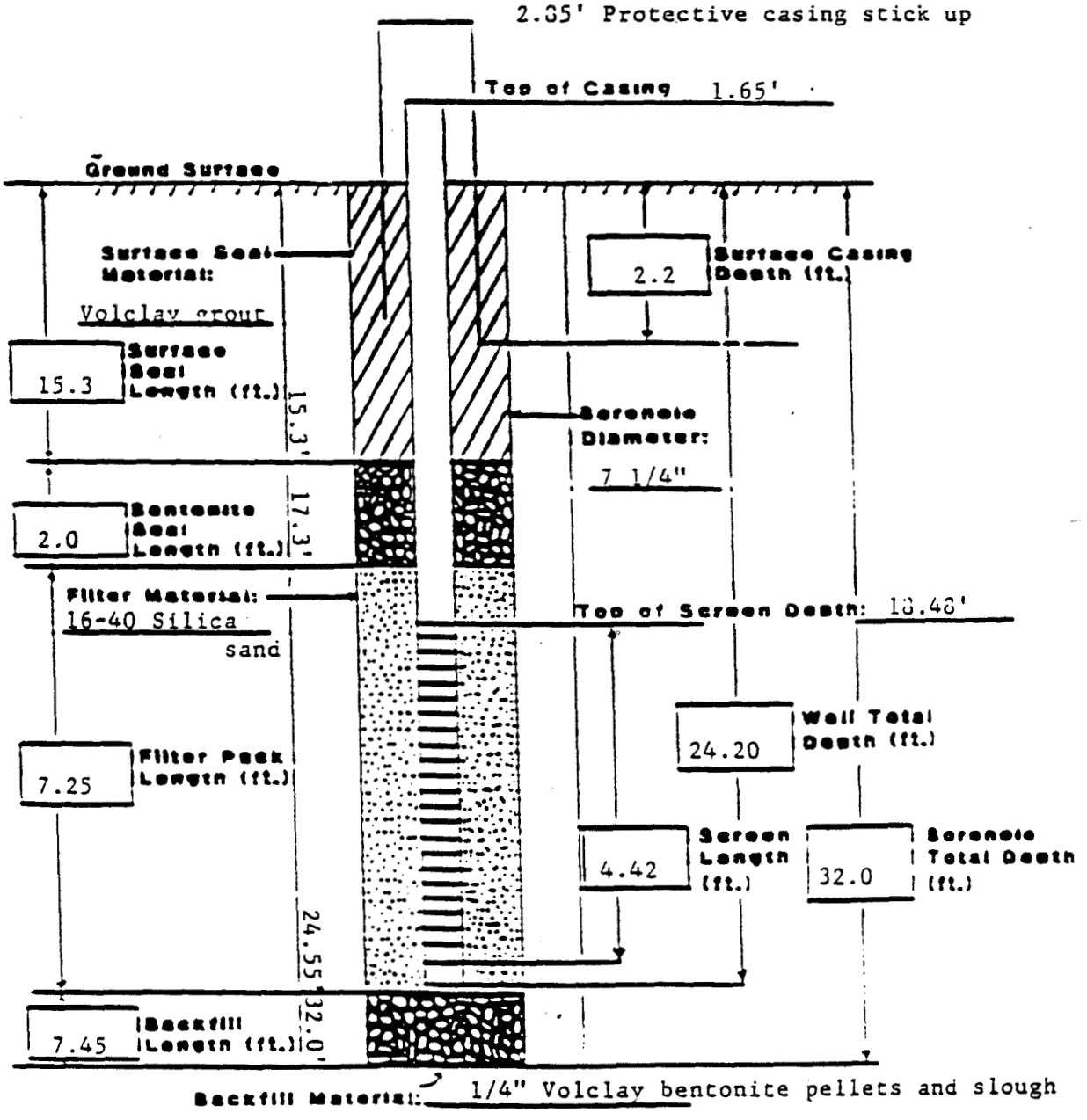
Date Installed 12/06/1989 **Approved By** J B Burman

Installed By R.D. Merrow **Site Manager**

Geologist

CEARP Manager

Comments Set stainless steel centralizer from 24.17' to 22.96' below ground surface



Backfill Material: 1/4" Volclay bentonite pellets and slough

LOG OF BOREHOLE

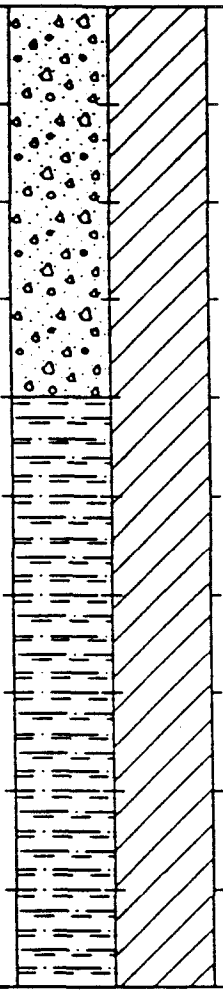
QA BY/DATE J.B. Burman 12-22-90
LOCATION Rocky Flats Plant; Original Process Waste Lines
COORDINATES N38,239.99 E20,907.67 (RFP)
TOTAL DEPTH 21.0'

DRILLING COMPANY Boyles Brothers
DATE DRILLED November 30, 1989
DRILLING METHOD Hollow Stem Auger
LOGGED BY R.D. Morrow
GEOLOGIST

BOREHOLE/WELL NO. P219189
GROUND SURFACE ELEVATION 5941.2'
WATER LEVEL ENCOUNTERED None
STATIC None (01/17/90)
DRILLER T. Merritt HELPER K. Parker
DRILLING FLUID None
CHECKED BY J.B. Burman
SITE MANAGER

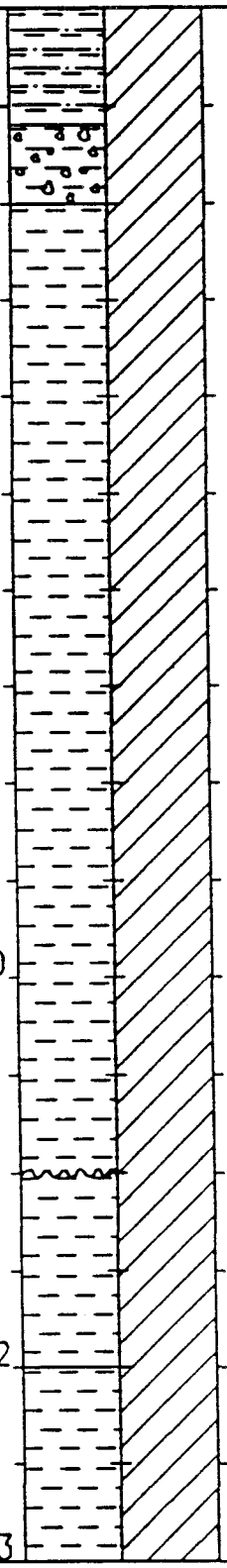
CEARP MANAGER

COMMENTS

DEPTH (FT)	GRAPHIC LOG	SAMPLE TYPE	LITHOLOGIC DESCRIPTION	SAMPLES COLLECTED OR OTHER TESTS PERFORMED
0 1 2 3 4 5			ARTIFICIAL FILL 0.0-2.0' SAMPLE. Recovered 1.0/2.0' = 50%. GRAVELLY SAND: dark yellowish brown (10 YR 4/2); unconsolidated; some silt to 20%; angular to subrounded; granitic; coarse gravel to 10 cm; fine- to coarse-grained; poorly sorted; subangular; quartzose sand. 2.0-4.0' SAMPLE. Recovered 2.0/2.0' = 100%. SILTY CLAY: grayish orange (10 YR 7/4); massive; some sand to 20%; silt to 25%; trace gravel; trace iron staining; low to high plasticity; no HCl reactions; grades to dusky yellowish brown (10 YR 2/2) with depth; dry to damp. 4.0-6.0' SAMPLE. Recovered 1.8/2.0' = 90%. 4.0-5.6': SILTY CLAY: same as above; becoming predominantly medium gray (N 5/0). 5.6-5.8': GRAVELLY CLAY: dark yellowish brown (10 YR 2/2); coarse gravel; granitic; high plasticity; no HCl reactions; damp.	HNu Background: 0.0 All readings in breathing zone, on core, on cuttings, and in augers: 0.0; unless otherwise noted below. TRIP BLANK SAMPLE TB1130898 0.0-1.0' SAMPLE (VOAs only) P2191890002 0.0-3.0' SAMPLE P2191890003 2.0-4.0' SAMPLE (VOAs only) P2191890204 3.0-6.6' SAMPLE P2191890307 P21918903070 4.0-5.8' SAMPLE (VOAs only) P2191890406 P21918904060

WELL NO. P219189

LOG OF BOREHOLE

DEPTH (FT)	GRAPHIC LOG	SAMPLE TYPE	LITHOLOGIC DESCRIPTION	SAMPLES COLLECTED OR OTHER TESTS PERFORMED
5 6 7 8 9 10 11 12 13			6.0-8.0' SAMPLE. Recovered 0.6/2.0' = 30%. CLAY: moderate yellowish brown (10 YR 5/4); homogeneous; trace gravel; trace silt; soft; high plasticity; no HCl reactions; damp. 8.0-10.0' SAMPLE. Recovered 0.9/2.0' = 45%. CLAY: dark yellowish brown (10 YR 4/2); homogeneous; some silt to 20%; soft; high plasticity; no HCl reactions; damp. 10.0-12.0' SAMPLE. Recovered 1.0/2.0' = 50%. 10.0-11.0': Disturbed sample (clay) due to rock in sampler. ARAPAHOE/LARAMIE FORMATION Note: Bedrock contact picked on the basis of drilling behavior and cuttings. 11.0-12.0': CLAYSTONE: medium gray (N 5/0); some silt to 20%; trace iron staining; high plasticity; no HCl reaction; damp. 12.0-14.0' SAMPLE. Recovered 0.0/2.0' = 0%.	6.0-6.6' SAMPLE (VOAs only) P2191890608 FIELD BLANK SAMPLE P2191890007FB 7.0-11.0' SAMPLE P2191890711 8.0-8.9' SAMPLE (VOAs only) P2191890810 11.0-14.4' SAMPLE P2191891116 10.0-11.0' SAMPLE (VOAs only) P2191891012

WELL NO. P219189

LOG OF BOREHOLE

DEPTH (FT)	GRAPHIC LOG	SAMPLE TYPE	LITHOLOGIC DESCRIPTION	SAMPLES COLLECTED OR OTHER TESTS PERFORMED
13			14.0-16.0' SAMPLE. Recovered 0.4/2.0' = 20%. CLAYSTONE: same as above. Note: 16.0-17.0': Drilled with center bit. No sample taken. 17.0-19.0' SAMPLE. Recovered 2.0/2.0' = 100%. SILTY CLAYSTONE: brownish gray (5 YR 4/1); homogeneous; silt to 35%; some grading to clayey siltstone; decreasing silt with depth; trace iron staining; moderate to high plasticity; no HCl reactions; damp. 19.0-21.0' SAMPLE. Recovered 2.0/2.0' = 100%. SILTY CLAYSTONE: light brownish gray (5 YR 6/1) to brownish gay (5 YR 4/1); mottled with light brown (5 YR 5/6); iron staining; silt to 35% increasing with depth; some grading to clayey siltstone; soft; some moderately hard; moderate to low plasticity; no HCl reactions; damp. TOTAL DEPTH = 21.0'	14.0-14.4' SAMPLE (VOAs only) P2191891416
14				
15				
16				
17				
18				
19				
20				
21				

19189C.cv

WELL COMPLETION INFORMATION

QA By/Date J B Burman 12-5-89

Location Rocky Flats Plant: Bldg 774 Area

Well No. P219189

Coordinates N 38239.99 E 20907.67 (RFP)

Elevation: Ground Surface 5941.2'

Total Depth: Well 12.77'

Top of Casing 5943.15'

Borehole 21.0'

Formation of Completion Rocky Flats Alluvium

Casing Material Schedule 40 PVC

Casing Diameter 2 3/8" O.D.

Screen Material Schedule 40 10-slotted PVC

Surface Casing Diameter 5 5/8" O.D.

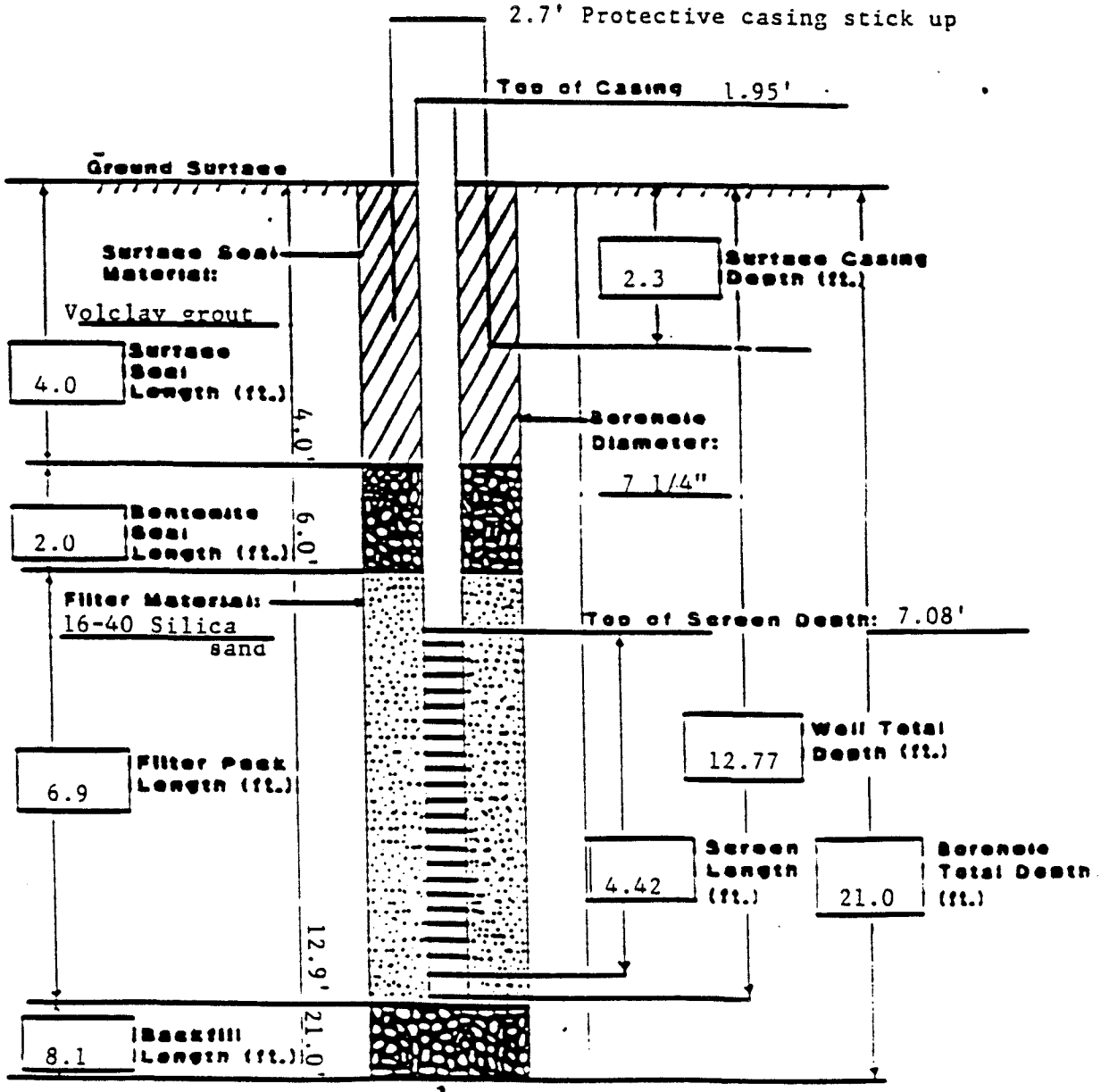
Date Installed 11/30/1989

Approved By J B Burman
Site Manager

Installed By R.D. Morrow
Geologist

CEARP Manager

Comments Set stainless steel centralizer from 12.75' to 11.53' below ground surface.



Backfill Material: 1/4" Volclay bentonite pellets; slough

LOG OF BOREHOLE

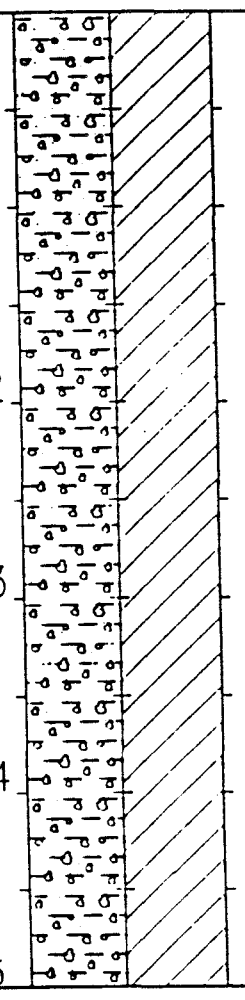
QA BY/DATE J.B. Burman/11-28-89
LOCATION Rocky Flats Plant; Solar Ponds Area
COORDINATES N37,211.07 E21,362.90 (RFP)
TOTAL DEPTH 23.3'

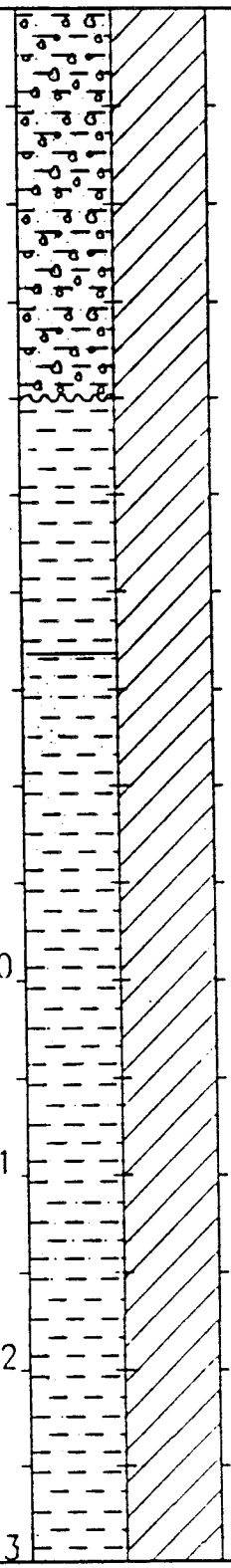
DRILLING COMPANY Boyles Brothers
DATE DRILLED June 5, 1989
DRILLING METHOD Hollow Stem Auger
LOGGED BY R.A. Chapuis
GEOLOGIST

BOREHOLE/WELL NO. P207389
GROUND SURFACE ELEVATION 5981.02'
WATER LEVEL ENCOUNTERED None
STATIC 5.39' (09/21/89)
DRILLER R. Sharp HELPER P. Mesa
DRILLING FLUID None
CHECKED BY J.B. Burman
SITE MANAGER

CEARP MANAGER

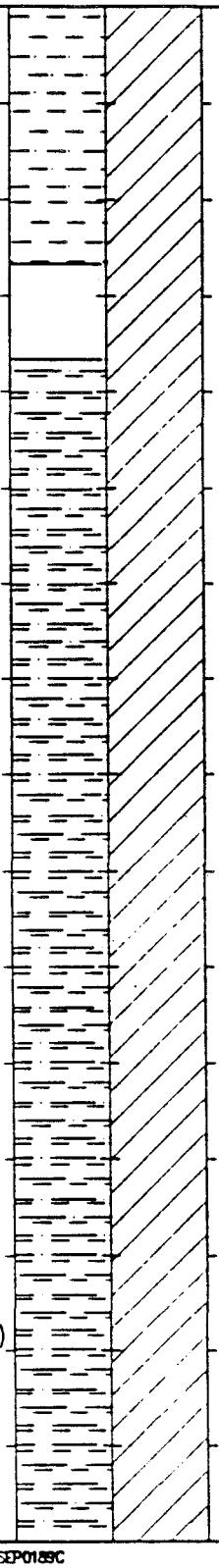
COMMENTS

DEPTH (FT)	GRAPHIC LOG	SAMPLE TYPE	LITHOLOGIC DESCRIPTION	SAMPLES COLLECTED OR OTHER TESTS PERFORMED
0 1 2 3 4 5			**ARTIFICIAL FILL** 0.0-2.3' SAMPLE. Recovered 2.3/2.3' = 100%. CLAYEY SAND AND GRAVEL: grayish orange (10 YR 7/4); lower 1.5' moderate brown (5 YR 4/4); (50%) fine to coarse-grained sand; poorly sorted, subangular to subrounded; (25%) gravel; poorly sorted; subrounded; (25%) medium plastic fines; soft; unconsolidated; moldable; (sp-gp); moist. **ROCKY FLATS ALLUVIUM** 2.3'-4.3'SAMPLE. Recovered 1.7/2.0' = 85%. CLAYEY SAND AND GRAVEL: moderate Brown (5 YR 4/4) to pale yellowish brown (10 YR 6/2); (60%) fine to coarse-grained sand; poorly sorted; subangular to subrounded; quartzose; (25%) gravel; poorly sorted; subangular to subrounded; quartzose; maximum size 6cm; (15%) non to medium plastic fines; soft; weakly consolidated; (sp-gp); moist. 4.3-6.3' SAMPLE. Recovered 1.1/2.0' = 55%. CLAYEY SAND AND GRAVEL: same as above; angular to subrounded sand; maximum gravel size 4cm.	HNU background: 0.0 OVA background: 0.0 All readings on cuttings, in breathing zone, on core, and in augers: 0.0; unless otherwise noted below. TRIP BLANK SAMPLE TB060589A 0.0-3.0' SAMPLE SEP0189BR003 0.0-2.0' SAMPLE (VOA's only) SEP0189BR0002 2.3': Readings in Augers: HNU = 4 OVA = 10

DEPTH (FT)	GRAPHIC LOG	SAMPLE TYPE	LITHOLOGIC DESCRIPTION	SAMPLES COLLECTED OR OTHER TESTS PERFORMED
5 6 7 8 9 10 11 12 13			6.3-8.3' SAMPLE. Recovered 2.2/2.2' = 100%. 6.3-7.0': CLAYEY SAND AND GRAVEL: same as 2.3-4.3'. ARAPAHOE/LARAMIE FORMATION 7.0-8.3': CLAYSTONE: pale olive (10 Y 6/2); (100%) low to medium plastic fines; soft; moldable; abundant caliche to 3" thick; moist. 8.3-10.3' SAMPLE. Recovered 2.0/2.0' = 100%. CLAYSTONE AND SANDSTONE: claystone same as 7.0-8.3'; sandstone--very light grey (N 8/0); (80%) fine to very fine-grained sand; interbedded; lensed; moderately well sorted; angular to subangular; maximum lense 0.5'; speckled; (20%) normal to medium plastic fines; soft; moldable; moist. 10.3-12.3' SAMPLE. Recovered 2.0/2.0' = 100%. CLAYSTONE AND SANDSTONE: claystone same as 7.0-8.3'; dark yellowish orange (10 YR 6/0) to light grey (N 7/0); sandstone same as 8.3-10.3'; lensed; soft; moldable; moist. 12.3-14.3' SAMPLE. Recovered 1.5/2.0' = 75%. CLAYEY SANDSTONE: light grey (N 7/0); (80%) fine to very fine-grained sand; moderately well sorted; angular to subangular; (20%) non to medium plastic fines; soft; very slightly moist.	▼ 5.39' 4.3-5.3' SAMPLE (VOA's only) SEP01890406 3.0-7.0' SAMPLE SEP0189BR0307 8.3-10.3' SAMPLE (VOA's only) SEP0189BR0810 7.0-13.0' SAMPLE SEP0189BR0713 12.3-13.8' SAMPLE (VOA's only) SEP0189BR1214 13.0-19.3' SAMPLE SEP0189BR1319

WELL NO. P207389

LOG OF BOREHOLE

DEPTH (FT)	GRAPHIC LOG	SAMPLE TYPE	LITHOLOGIC DESCRIPTION	SAMPLES COLLECTED OR OTHER TESTS PERFORMED
13 14 15 16 17 18 19 20 21			14.3-16.3' SAMPLE. Recovered 2.0/2.0' = 100%. 14.3-14.8': SANDSTONE: same as above. 14.8-16.3': SILTY CLAYSTONE: dark yellowish orange (10 YR 6/6) to yellowish grey (5 y 7/2); (70%) non to medium plastic fines; (30%) fine-grained sand; well sorted; subangular; quartzose; iron stained; moldable; soft to firm; caliche zones; scattered lignite; black (N 1/0); slightly moist. 16.3-18.3'SAMPLE. Recovered 2.0/2.0' = 100%. SILTY CLAYSTONE: same as above; 95% low to medium plastic fines; trace (5%) very fine-grained sand; scattered lignite; black (N 1/0); scattered caliche; weakly consolidated; moist. 18.3-19.3' SAMPLE. Recovered 2.0/2.0' = 100%. SILTY CLAYSTONE: same as above; (10%) very fine-grained sand; iron stains; scattered caliche; lignite--black (N 1/0); moist. 19.3-20.3' SAMPLE. Recovered 1.0/1.0' = 100%. SILTY CLAYSTONE: same as above. 20.3-21.3' SAMPLE. Recovered 1.5/1.0' = 150%. SILTY CLAYSTONE: same as above; soft to firm. 21.3-22.3' SAMPLE. Recovered 1.5/1.0' = 150%. SILTY CLAYSTONE: same as above; iron staining in layers.	14.3': Reading in auger: HNU: 0.8 16.3-18.3' SAMPLE (VOA's only) SEP0189BR1618 19.3-20.3' SAMPLE (VOA's only) SEP0189BR1920

WELL NO. P207389

LOG OF BOREHOLE

DEPTH (FT)	GRAPHIC LOG	SAMPLE TYPE	LITHOLOGIC DESCRIPTION	SAMPLES COLLECTED OR OTHER TESTS PERFORMED
21			22.3-23.3' SAMPLE. Recovered 1.5/1.0' = 150%. SILTY CLAYSTONE: same as above.	
22			TOTAL DEPTH = 23.3'	
23				
24				
25				
26				
27				
28				
29				

SEP01890

LOG OF BOREHOLE

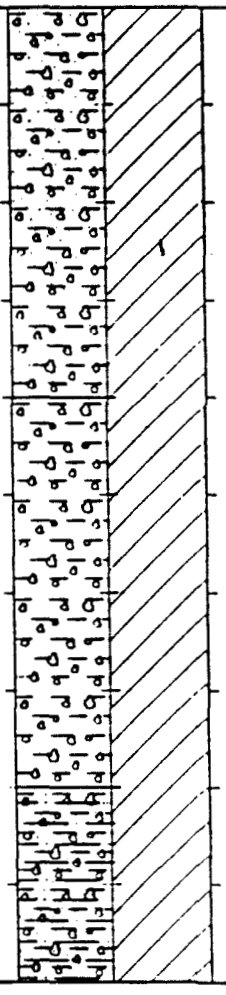
QA BY/DATE J.B. Burman 11-28-89
LOCATION Rocky Flats Plant; Solar Ponds Area
COORDINATES N37,212.89 E21,376.11 (RFP)
TOTAL DEPTH 10.0'

DRILLING COMPANY Boyles Brothers
DATE DRILLED June 6, 1989
DRILLING METHOD Hollow Stem Auger
LOGGED BY R.A. Chapuis
GEOLOGIST

BOREHOLE/WELL NO. P207489
GROUND SURFACE ELEVATION 5980.71'
WATER LEVEL ENCOUNTERED None
STATIC 5.20' (09/20/89)
DRILLER R. Sharp HELPER P. Mesa
DRILLING FLUID None
CHECKED BY J.B. Burman
SITE MANAGER

CEARP MANAGER

COMMENTS

DEPTH (FT)	GRAPHIC LOG	SAMPLE TYPE	LITHOLOGIC DESCRIPTION	SAMPLES COLLECTED OR OTHER TESTS PERFORMED
0 1 2 3 4 5			**ARTIFICIAL FILL** 0.0-2.0' SAMPLE. Recovered 2.0/2.0' = 100%. CLAYEY SAND AND GRAVEL: grayish orange (10 YR 7/4); lower 1.5' moderate brown (5 YR 4/4); (60%) fine to coarse-grained sand; poorly sorted; quartzose; subangular to subrounded; (25%) non to medium plastic fines; (15%) gravel; maximum size 5cm; poorly sorted; quartzose; weakly consolidated; soft; (sp-gp); damp. **ROCKY FLATS ALLUVIUM** 2.0-4.0' SAMPLE. Recovered 2.0/2.0' = 100%. GRAVELLY CLAY: moderate brown (5 YR 4/4); (50%) medium to highly plastic fines; (36%) gravel; subangular; quartzose; (15%) fine to coarse-grained sand; poorly sorted; subangular to subrounded; quartzose; weakly consolidated; soft to firm; (cl); dry.	HNU background = 0.0 OVA background = 0.0 All readings on cuttings, in breathing zone, on core, and in augers: 0.0; unless otherwise noted below. TRIP BLANK SAMPLE TB060789A 0.0-3.0' SAMPLE SEP02890003 0.0-2.0' SAMPLE (VOA's only) SEP02890002

SEP0289A

WELL NO. P207489

LOG OF BOREHOLE

DEPTH (FT)	GRAPHIC LOG	SAMPLE TYPE	LITHOLOGIC DESCRIPTION	SAMPLES COLLECTED OR OTHER TESTS PERFORMED
5			4.0-6.0' SAMPLE. Recovered 1.0/2.0' = 50%. SILTY CLAYEY SAND AND GRAVEL: moderate brown (5 YR 4/4); (35%) gravel; poorly sorted; subangular; quartzose; maximum size 5cm; (35%) fine to coarse-grained sand; poorly sorted; subangular to subrounded; quartzose; (30%) non to medium plastic fines; soft; crumbly; (sm-gc); dry.	5.20' 4.0-5.0' SAMPLE (VOA's only) SEP02890406
6			6.0-8.0' SAMPLE. Recovered 2.0/2.0' = 100%. 6.0-6.5': SILTY CLAYEY SAND AND GRAVEL: same as above.	3.0-6.5' SAMPLE SEP02890306
7			ARAPAHOE/LARAMIE FORMATION 6.5-8.0': CLAYSTONE: pale olive (10 Y 6/2); (100%) medium to highly plastic fines; soft; caliche zones to 2 cm; moldable; iron staining; damp.	6.5-10.0' SAMPLE SEP02890610
8			8.0-10.0' SAMPLE. Recovered 2.0/2.0' = 100%. CLAYSTONE: pale olive (10 Y 6/2); (95%) non to medium plastic fines; trace (5%) very fine-grained sand; subangular to subrounded; soft to firm; crumbly in part; caliche; iron stainings; sandier towards bottom; weakly consolidated; dry.	8.0-10.0' SAMPLE (VOA's only) SEP02890810
9			TOTAL DEPTH = 10.0'	
10				
11				
12				
13				

SEP02898

LOG OF BOREHOLE

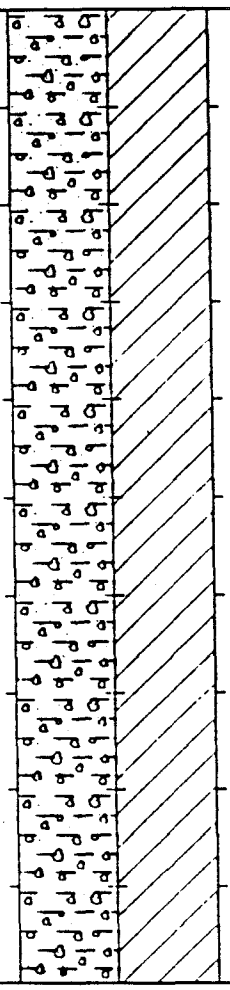
QA BY/DATE J.B. Burman 11-28-89
LOCATION Rocky Flats Plant; Solar Ponds Area
COORDINATES N37,410.11 E21,738.72 (RFP)
TOTAL DEPTH 29.1'

DRILLING COMPANY Boyles Brothers
DATE DRILLED May 18, 1989
DRILLING METHOD Hollow Stem Auger
LOGGED BY K.E. Miller
GEOLOGIST

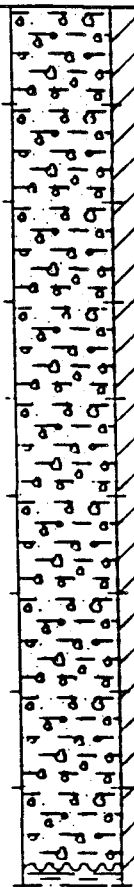
BOREHOLE/WELL NO. P207589
GROUND SURFACE ELEVATION 5974.06'
WATER LEVEL ENCOUNTERED 8.1'
STATIC 22.97' (09/21/89)
DRILLER R. Sharp HELPER R. Orr
DRILLING FLUID None
CHECKED BY J.B. Burman
SITE MANAGER

CEARP MANAGER

COMMENTS

DEPTH (FT)	GRAPHIC LOG	SAMPLE TYPE	LITHOLOGIC DESCRIPTION	SAMPLES COLLECTED OR OTHER TESTS PERFORMED
0 1 2 3 4 5			**ROCKY FLATS ALLUVIUM** 0.0-2.1' SAMPLE. Recovered 2.1/2.1' = 100%. SANDY GRAVELLY CLAY: grayish orange (10 YR 7/4) to dusky brown (5 YR 2/2); coarse to fine-grained sand; coarse to fine gravel; quartzite to 3 cm; broken; loose to firm; no to low plasticity; (cl); damp. 2.1-4.1' SAMPLE. Recovered 1.7/2.0' = 85%. SANDY CLAYEY GRAVEL: moderately yellowish brown (10 YR 5/4) to very pale orange (10 YR 8/2); coarse to fine-grained sand; coarse to fine gravel; quartzite; subrounded; some broken to 3 cm; loose; non-plastic; light HCl reaction; (gc); damp. 4.1-6.1' SAMPLE. Recovered 1.3/2.0' = 65%. GRAVELLY SANDY CLAY: very pale orange (10 YR 8/2); coarse to fine-grained sand; quartz; some HCl reaction; coarse to fine gravel; quartzite to 3 cm; subrounded; loose to firm; no to low plasticity; (cl); damp.	HNu Background: 0.0 OVA Background: 0.0 All readings on cuttings, in breathing zone, on core, and in augers; 0.0; unless otherwise noted below. TRIP BLANK SAMPLE TB051889A 0.0-3.0' SAMPLE SEP0389BR0003 0.0-2.1' SAMPLE (VOAs only) SEP0389BR0002 0.0': Reading in Auger: OVA: 9.0 2.1': Reading in Auger: HNU: 0.2 3.0-9.4' SAMPLE SEP0389BR0309 4.1-5.4' SAMPLE (VOAs only) SEP0389BR0406 4.1': Reading in Auger: OVA: 90.0

SEP0389A

DEPTH (FT)	GRAPHIC LOG	SAMPLE TYPE	LITHOLOGIC DESCRIPTION	SAMPLES COLLECTED OR OTHER TESTS PERFORMED
5			6.1-8.1' SAMPLE. Recovered 1.4/2.0' = 70%. GRAVELLY SANDY CLAY: same as above; yellowish gray (5 Y 8/1); wet at shoe. 8.1-10.1' SAMPLE. Recovered 1.6/2.0' = 80%. 8.1'-9.4': GRAVELLY SANDY CLAY: same as above; wet. ARAPAHOE/LARAMIE FORMATION 9.4-9.7': SILTY CLAYSTONE: light olive gray (5 Y 6/1); mottled dusky yellow (5 Y 6/4); stiff; consolidated; high plasticity; damp. 10.1-12.1' SAMPLE. Recovered 2.0/2.0' = 100%. SILTY CLAYSTONE: same as above; abundant caliche; high HCl reaction; highly weathered. 12.1-14.1' SAMPLE. Recovered 2.2/2.0' = 110%. SILTY CLAYSTONE: light olive gray (5 Y 6/1); mottled dark yellowish orange (10 YR 6/6); highly weathered caliche; high HCl reaction; consolidated; high plasticity; stiff; damp to moist.	8.1-9.7' SAMPLE (VOAs only) SEP0389BR0810 8.1': Reading in Auger: OVA: 1.0 ▽ 8.1' 9.4-15.4' SAMPLE SEP0389BR0915 12.1-14.1' SAMPLE (VOAs only) SEP0389BR1214
6				
7				
8				
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11				
12				
13				

WELL NO. P207589 LOG OF BOREHOLE PAGE 3 OF 5

DEPTH (FT)	GRAPHIC LOG	SAMPLE TYPE	LITHOLOGIC DESCRIPTION	SAMPLES COLLECTED OR OTHER TESTS PERFORMED
13			14.1-16.1' SAMPLE. Recovered 2.0/2.0' = 100%. SILTY CLAYSTONE: same as above; highly carbonaceous; black (N 1/0); more iron-stains--dark yellowish orange (10 YR 6/6).	15.4-21.4' SAMPLE SEP0389BR1521
14			16.1-18.1' SAMPLE. Recovered 2.0/2.0' = 100%. SILTY CLAYSTONE: olive gray (5 Y 3/2); stains--dusky yellow (5 Y 6/4); small amount calcareous material; HCl reactive; carbonaceous streaks--black (N 1/0); consolidated; high plasticity; stiff to hard; dry.	16.1-18.1' SAMPLE (VOAs only) SEP0389BR1618
15			18.1-20.1' SAMPLE. Recovered 1.4/2.0' = 70%. SILTY CLAYSTONE: same as above.	18.1': Reading in Auger: OVA: 1.0
16			20.1-22.1' SAMPLE. Recovered 2.0/2.0' = 100%. SILTY CLAYSTONE: brownish black (5 YR 2/1); highly carbonaceous; lignite pieces--black (N 1/0); iron-stains and fractures; dark yellowish orange (10 YR 6/6); small amount caliche; high HCl reaction; consolidated; stiff to hard; high plasticity; damp.	20.1-22.1' SAMPLE (VOAs only) SEP0389BR2022
17				
18				
19				
20				
21				

SEP0389C

WELL NO. P207589

LOG OF BOREHOLE

DEPTH (FT)	GRAPHIC LOG	SAMPLE TYPE	LITHOLOGIC DESCRIPTION	SAMPLES COLLECTED OR OTHER TESTS PERFORMED
21			22.1-24.1' SAMPLE. Recovered 2.0/2.0' = 100%. SILTY CLAYSTONE: same as above; moderately yellowish brown (5 YR 5/4).	
22			24.1-26.1' SAMPLE. Recovered 2.0/2.0' = 100%. SILTY CLAYSTONE: brownish black (5 YR 2/1) grading to medium dark gray (N 4/0); iron-stains--dark yellowish orange (10 YR 6/6); hard to stiff; consolidated; high plasticity; some carbonaceous pieces; damp.	
23			26.1-28.1' SAMPLE. Recovered 2.0/2.0' = 100%. SILTY CLAYSTONE: same as above; olive gray (5 Y 4/1).	▼ 22.97'
24			28.1-29.1' SAMPLE. Recovered 1.0/1.0' = 100%. SILTY CLAYSTONE: same as above.	
25				
26				
27				
28				
29				

SEP03890

WELL NO. P207589

LOG OF BOREHOLE

DEPTH (FT)	GRAPHIC LOG	SAMPLE TYPE	LITHOLOGIC DESCRIPTION	SAMPLES COLLECTED OR OTHER TESTS PERFORMED
29			TOTAL DEPTH = 29.1'	
30				
31				
32				
33				
34				
35				
36				
37				

SEP0388E

LOG OF BOREHOLE

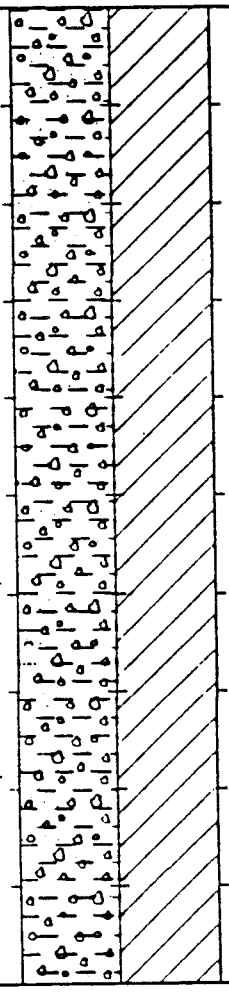
QA BY/DATE J.B. Burman 11-28-89
LOCATION Rocky Flats Plant; Solar Ponds Area
COORDINATES N37,411.33 E22,213.85 (RFP)
TOTAL DEPTH 18.2'

DRILLING COMPANY Boyles Brothers
DATE DRILLED May 5, 1989
DRILLING METHOD Hollow Stem Auger
LOGGED BY K.E. Miller
GEOLOGIST

BORFHOLE/WELL NO. P207689
GROUND SURFACE ELEVATION 5966.32'
WATER LEVEL ENCOUNTERED 10.2'
STATIC 5.55' (09/14/89)
DRILLER R. Sharp HELPER P. Mesa
DRILLING FLUID None
CHECKED BY J.B. Burman
SITE MANAGER

CEARP MANAGER

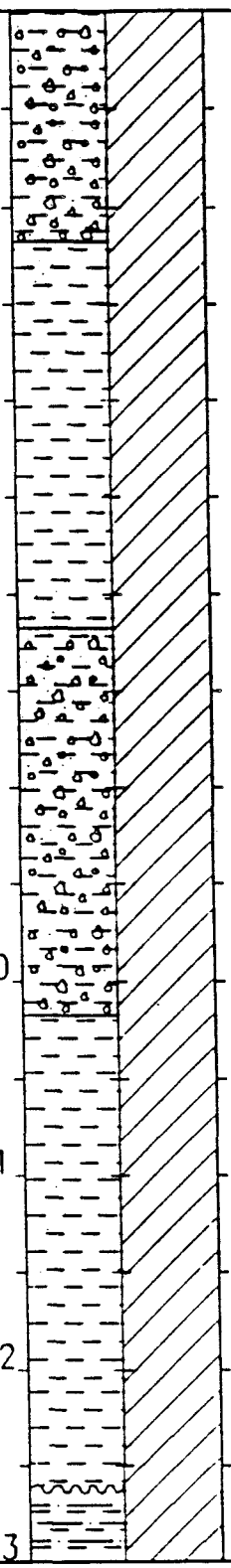
COMMENTS

DEPTH (FT)	GRAPHIC LOG	SAMPLE TYPE	LITHOLOGIC DESCRIPTION	SAMPLES COLLECTED OR OTHER TESTS PERFORMED
0 1 2 3 4 5			**ROCKY FLATS ALLUVIUM** 0.0-2.2' SAMPLE. Recovered 1.6/2.2' = 73%. GRAVELLY SANDY CLAY: olive black (5 Y 2/1) to light brown (5 YR 6/4); coarse to fine-grained sand; coarse to fine gravel; quartzite; subrounded; loose; low plasticity; (cl); damp. 2.2-4.2' SAMPLE. Recovered 1.2/2.0' = 60%. GRAVELLY SANDY CLAY: same as above; grading to very pale orange (10 YR 8/2); light brown (5 YR 5/6); high reaction to HCl; iron stains--dark yellowish orange (10 YR 6/6); (cl). 4.2-6.2' SAMPLE. Recovered 1.5/2.0' = 75%. GRAVELLY SANDY CLAY: light brown (5 YR 5/6); coarse to fine-grained sand lenses--very pale orange (10 YR 8/2); calcareous cemented; coarse to fine gravel; low plasticity to medium plasticity; (cl); damp.	HNU Background: 0.0 OVA Background: 0.0 All readings on cuttings, in breathing zone, on core, and in auger: 0.0; unless otherwise noted below. TRIP BLANK SAMPLE: TB050589 0.0-5.7': SAMPLE SEP04890006 SEP04890006D 0.0-1.6' SAMPLE (VOAs only) SEP04890002 SEP04890002D 0.0': Reading in Auger: OVA: 1.5 2.2': Reading in Auger: OVA: 0.2 4.2-5.7' SAMPLE (VOAs only) SEP04890406 4.2': Reading in Auger: OVA: 4.0

SEP0488A

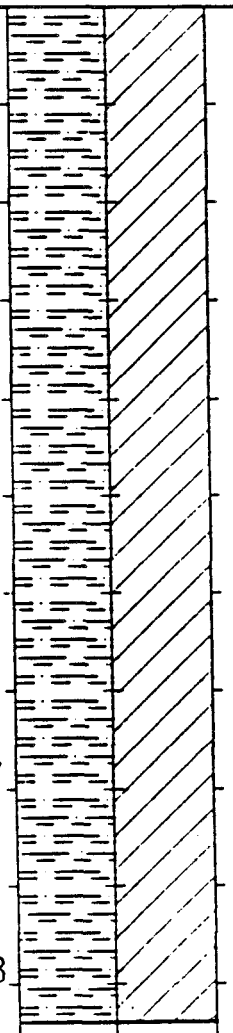
WELL NO. P207689

LOG OF BOREHOLE

DEPTH (FT)	GRAPHIC LOG	SAMPLE TYPE	LITHOLOGIC DESCRIPTION	SAMPLES COLLECTED OR OTHER TESTS PERFORMED
5 6 7 8 9 10 11 12 13			6.2-8.2' SAMPLE. Recovered 1.6/2.0' = 80%. SANDY CLAY: moderate brown (5 YR 4/4); some gravel; quartzite; coarse to fine; subrounded; broken; coarse to fine-grained quartz sand; subrounded; calcareous cemented; HCl reactive; firm to loose; low plasticity; (cl); moist. 8.2-10.2' SAMPLE. Recovered 1.8/2.0' = 90%. SANDY CLAYEY GRAVEL: light brown (5 YR 5/6) to light brown (5 YR 6/4); coarse to fine-grained quartz sand; coarse to fine gravel; quartzite; subrounded to 3 cm; trace silt; loose; non to low plasticity; (gc); moist. 10.2-12.2' SAMPLE. Recovered 0.4/2.0' = 20%. CLAYEY SAND: light brown (5 YR 5/6); some gravel; quartzite; rounded; coarse to fine-grained quartz sand; non calcareous; loose; non-plastic; (sc); wet. 12.2-14.2' SAMPLE. Recovered 2.2/2.0' = 110%. 12.2-12.6': CLAYEY SAND: same as above; (sc).	5.55' 6.2-12.6' SAMPLE SEP04890612 6.2': Readings in Auger: HNu: 0.6 OVA: 20.0 8.2-10.0' SAMPLE (VOAs only) SEP04890810 8.2': Reading in Auger: OVA: 0.5 12.6-15.3' SAMPLE SEP04891215 12.2-14.2' SAMPLE (VOAs only) SEP04891214 12.2': Reading in Auger: OVA: 0.2 10.2'

WELL NO. P207689

LOG OF BOREHOLE

DEPTH (FT)	GRAPHIC LOG	SAMPLE TYPE	LITHOLOGIC DESCRIPTION	SAMPLES COLLECTED OR OTHER TESTS PERFORMED
13			**ARAPAHOE/LARAMIE FORMATION** 12.6-14.2': SILTY CLAYSTONE: light olive gray (5 Y 6/1); mottles of dark yellowish orange (10 YR 6/6); very stiff; low to medium plasticity; weathered caliche; high HCl reaction; damp. 14.2-16.2' SAMPLE. Recovered 1.1/2.0' = 55%. SILTY CLAYSTONE: same as above. 16.2-18.2' SAMPLE. Recovered 0.0/2.0' = 0%. Note: Lost sample. TOTAL DEPTH = 18.2'	FIELD BLANK SAMPLE SEP04891215FB 14.2': Reading in Auger: OVA: 0.2
14				
15				
16				
17				
18				
19				
20				
21				

SEP0489C

LOG OF BOREHOLE

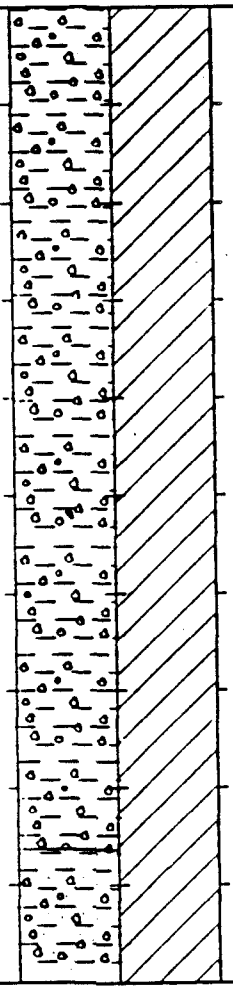
QA BY/DATE J.B. Burman
LOCATION Rocky Flats Plant; Solar Ponds Area
COORDINATES N37,405.58 E22,239.07 (RFP)
TOTAL DEPTH 32.3'

DRILLING COMPANY Boyles Brothers
DATE DRILLED May 5, 1989
DRILLING METHOD Hollow Stem Auger
LOGGED BY K.E. Miller
GEOLOGIST

BOREHOLE/WELL NO. P207789
GROUND SURFACE ELEVATION 5965.88'
WATER LEVEL ENCOUNTERED None
STATIC 27.54' (09/14/89)
DRILLER R. Sharp HELPER P. Mesa
DRILLING FLUID None
CHECKED BY J.B. Burman
SITE MANAGER

CEARP MANAGER

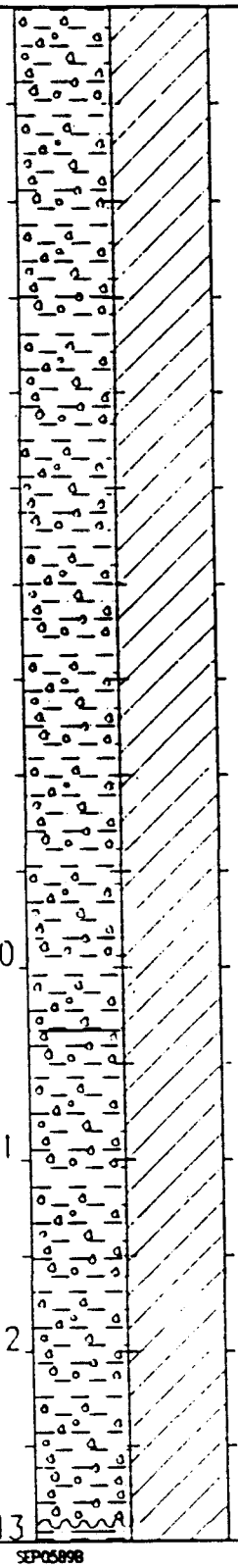
COMMENTS

DEPTH (FT)	GRAPHIC LOG	SAMPLE TYPE	LITHOLOGIC DESCRIPTION	SAMPLES COLLECTED OR OTHER TESTS PERFORMED
0 1 2 3 4 5			**ROCKY FLATS ALLUVIUM** 0.0-2.3' SAMPLE. Recovered 1.4/2.3' = 61%. GRAVELLY CLAY: dark greenish gray (5 GY 4/1); coarse to fine gravel; subrounded quartzite; trace coarse to fine-grained sand; non-calcareous; firm; low plasticity; (cl); damp. 2.3-4.3' SAMPLE. Recovered 0.3/2.0' = 15%. GRAVELLY CLAY: same as above; highly calcareous caliche; HCl reactive; (cl); damp. 4.3-6.3' SAMPLE. Recovered 1.5/2.0' = 75%. SANDY CLAYEY GRAVEL: grayish orange (10 YR 7/4) to moderate brown (5 YR 4/4); coarse to fine-grained quartz sand; coarse to fine gravel; quartzite to 4 cm; broken; firm; low plasticity; calcareous material; HCl reactive; 25% clay; (gm-gc); damp.	HNu Background: 0.0 OVA Background: 0.0 All readings on cuttings, in breathing zone, on core and in augers: 0.0; unless otherwise noted. 0.0-5.8' SAMPLE SEP0589BR0006 0.0-1.4' SAMPLE (VOAs only) SEP0589BR0002 0.0': Readings in Auger: HNU: 0.1 OVA: 1.4 2.3': Reading in Auger: HNu: 0.4 OVA: 0.8 4.3-5.8' SAMPLE (VOAs only) SEP0589BR0406 4.3': Readings in Auger: HNu: 0.2 OVA: 9.0

SEP0569A

WELL NO. P207789

LOG OF BOREHOLE

DEPTH (FT)	GRAPHIC LOG	SAMPLE TYPE	LITHOLOGIC DESCRIPTION	SAMPLES COLLECTED OR OTHER TESTS PERFORMED
5 6 7 8 9 10 11 12 13			**6.3-8.3' SAMPLE.** Recovered 1.3/2.0' = 65%. SANDY CLAYEY GRAVEL: same as above; sand lense of moderate reddish brown (10 R 4/6); highly calcareous; HCl reactive; less gravel in lower portion; (gm-gc). **8.3-10.3' SAMPLE.** Recovered 2.2/2.0' = 110%. SANDY GRAVELLY CLAY: moderate yellowish brown (10 YR 5/4) to very pale orange (10 YR 8/2); well consolidated; stiff; low to medium plasticity; highly calcareous; HCl reactive; coarse to fine-grained sand; coarse to fine gravel; subrounded; (cl); damp. **10.3-12.3' SAMPLE.** Recovered 2.2/2.0' = 110%. GRAVELLY CLAY: pale yellowish brown (10 YR 6/2); trace silt; trace coarse to fine-grained sand; coarse to fine gravel; subrounded; highly calcareous; HCl reactive; (cl); damp. **12.3-14.3' SAMPLE.** Recovered 2.2/2.0' = 110%. 12.3-12.9': GRAVELLY CLAY: same as above; (cl).	**6.3-12.9' SAMPLE** SEP0589BR0613 **8.3-10.3' SAMPLE** (VOAs only) SEP0589BR0810 **8.3'**: Reading in Auger: OVA: 1.2 **12.3-14.3' SAMPLE** SEP0589BR1214 **12.9'-18.3' SAMPLE** SEP0589BR1318

WELL NO. P207789

LOG OF BOREHOLE

DEPTH (FT)	GRAPHIC LOG	SAMPLE TYPE	LITHOLOGIC DESCRIPTION	SAMPLES COLLECTED OR OTHER TESTS PERFORMED
13			**ARAPAHOE/LARAMIE FORMATION**	
			12.9-14.3': SILTY CLAYSTONE: light olive gray (5 Y 6/1); consolidated; massive; 0.2' lense caliche; highly HCl reactive; stiff; high plasticity; damp.	
14			14.3-16.3' SAMPLE. Recovered 2.2/2.0' = 110%. SILTY CLAYSTONE: same as above; interbedded sand lense; coarse to fine quartz; highly calcareous; caliche; HCl reactive.	14.3': Readings in Auger: HNu: 0.4 OVA: 7.0
15			16.3-18.3' SAMPLE. Recovered 2.2/2.0' = 110%. SILTY CLAYSTONE: light olive gray (5 Y 6/1); mottling--dark yellowish orange (10 YR 6/6); massive; consolidated; very stiff to hard; medium to high plasticity; calcareous nodules; HCl reactive; damp.	16.3-18.3' SAMPLE (VOAs only) SEP0589BR1618
16			18.3-20.3' SAMPLE. Recovered 2.2/2.0' = 110%. SILTY CLAYSTONE: same as above; grading to olive gray (5 Y 4/1); lignite; black (N 1/0).	18.3-24.3' SAMPLE SEP0589BR1824 18.3': Reading in Auger: OVA: 3.0
17			20.3-22.3' SAMPLE. Recovered 2.2/2.0' = 110%. SILTY CLAYSTONE: light olive gray (5 Y 5/2); consolidated; massive; streaks of dusky yellow (5 Y 6/4); very stiff to hard; low to high plasticity; damp.	20.3'-22.3' SAMPLE (VOAs only) SEP0589BR2022 20.3': Reading in Auger: OVA: 1.6
18				
19				
20				
21				

SEP0589C

WELL NO. P207789

LOG OF BOREHOLE

DEPTH (FT)	GRAPHIC LOG	SAMPLE TYPE	LITHOLOGIC DESCRIPTION	SAMPLES COLLECTED OR OTHER TESTS PERFORMED
21			22.3-24.3' SAMPLE. Recovered 2.2/2.0' = 110%. SILTY CLAYSTONE: same as above.	22.3': Readings in Auger: HNu: 0.2 OVA: 7.0
22			24.3-26.3' SAMPLE. Recovered 2.2/2.0' = 110%. SILTY CLAYSTONE: same as above; grading to olive gray (5 Y 3/2); mottling--dark yellowish orange (10 YR 6/6).	24.3-26.3' SAMPLE (VOAs only) SEP0589BR2426 24.3': Readings in Auger: HNu: 0.4 OVA: 8.5
23			26.3-28.3' SAMPLE. Recovered 2.2/2.0' = 110%. SILTY CLAYSTONE: light olive gray (5 Y 5/2); stained dark yellowish orange (10 YR 6/6); massive; unconsolidated; medium to high plasticity; very stiff; fractured; damp.	26.3': Reading in Auger: OVA: 0.6
24			28.3-30.3' SAMPLE. Recovered 2.2/2.0' = 110%. SILTY CLAYSTONE: olive gray (5 Y 3/2); trace very fine to fine-grained sand; consolidated; very hard; low plasticity; mottling--dark yellowish orange (10 YR 6/6); dry.	28.3': Reading in Auger: OVA: 0.6
25				
26				
27				27.54'
28				
29				

SEP0589D

WELL NO. P207789

LOG OF BOREHOLE

DEPTH (FT)	GRAPHIC LOG	SAMPLE TYPE	LITHOLOGIC DESCRIPTION	SAMPLES COLLECTED OR OTHER TESTS PERFORMED
29			**30.3-32.3' SAMPLE.** Recovered 2.2/2.0' = 110%. SILTY CLAYSTONE: olive gray (5 Y 3/2); some very fine to fine-grained sand; quartz; non-cemented; consolidated; massive; very hard; low plasticity; dry.	
30			**TOTAL DEPTH = 32.3'**	
31				
32				
33				
34				
35				
36				
37				

SEP05B5E

LOG OF BOREHOLE

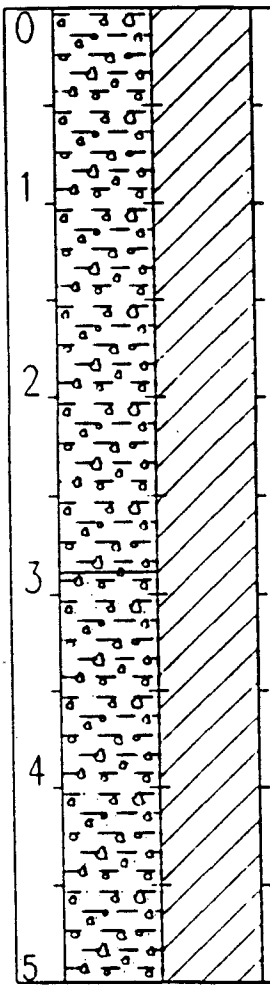
QA BY/DATE J.B. Berman 11-28-89
LOCATION Rocky Flats Plant; Solar Pond Area
COORDINATES N37,683.91 E22,239.84 (RFP)
TOTAL DEPTH 10.5'

DRILLING COMPANY Boyles Brothers
DATE DRILLED May 1, 1989
DRILLING METHOD Hollow Stem Auger
LOGGED BY K.E. Miller
GEOLOGIST

BOREHOLE/WELL NO. P207889
GROUND SURFACE ELEVATION 5962.82'
WATER LEVEL ENCOUNTERED 1.0'
STATIC 2.87' (09/15/89)
DRILLER R. Sharp HELPER P. Mesa
DRILLING FLUID None
CHECKED BY J.B. Berman
SITE MANAGER

CEARP MANAGER

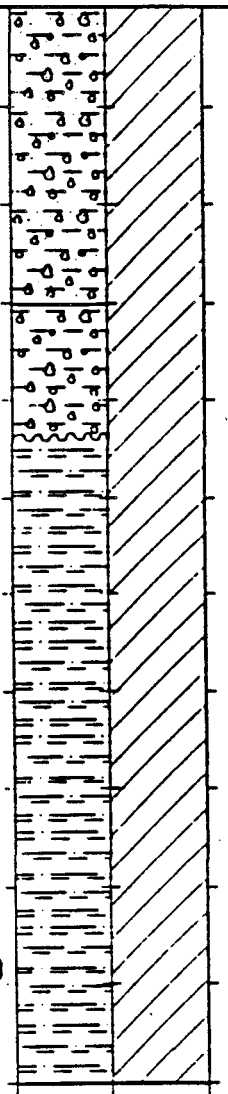
COMMENTS

DEPTH (FT)	GRAPHIC LOG	SAMPLE TYPE	LITHOLOGIC DESCRIPTION	SAMPLES COLLECTED OR OTHER TESTS PERFORMED
0 1 2 3 4 5			**ROCKY FLATS ALLUVIUM** 0.0-2.3' SAMPLE. Recovered 1.0/2.3' = 43%. CLAYEY GRAVEL: brownish black (5 YR 2/1) to moderate brown (5 YR 4/6); trace coarse to fine gravel; subrounded to 3 cm; trace coarse to fine-grained sand; quartz; unconsolidated; firm; non-plastic; (gc with sand); wet. 2.3-4.5' SAMPLE. Recovered 2.2/2.2' = 100%. 2.3-2.9': CLAYEY GRAVEL: same as above. 2.9-4.5': CLAYEY GRAVELLY SAND: very pale orange (10 YR 8/2); some gravel; subrounded to 2 cm; quartzite; coarse to fine-grained quartz sand; high HCl reaction, loose; non-plastic; (sc); wet.	HNu Background: 0.0 OVA Background: 0.0 All readings in breathing zone, core and auger: 0.0; unless otherwise noted. ▽ 1.0' TRIP BLANK SAMPLE TB050189 0.0-2.3': Reading in Auger OVA: 0.4 0.0-2.9' SAMPLE SEP06890003 ▼ 2.87' 0.0-1.0' SAMPLE (VOAs only) SEP06890002 SEP06890002D 2.3-4.5': Reading in Auger OVA: 0.2 2.9-5.5' SAMPLE SEP06890306 SEP06890306D SEP06890306FB

SEP0689A

WELL NO. P207889

LOG OF BOREHOLE

DEPTH (FT)	GRAPHIC LOG	SAMPLE TYPE	LITHOLOGIC DESCRIPTION	SAMPLES COLLECTED OR OTHER TESTS PERFORMED
5			**4.5-6.5' SAMPLE.** Recovered 1.0/2.0' = 50%. CLAYEY GRAVELLY SAND: same as above; more quartzite gravel; subangular to subrounded. **6.5-8.5' SAMPLE.** Recovered 0.9/2.0' = 45%. 6.5-7.2': GRAVELLY CLAY: very pale orange (10 YR 8/2); quartzite cobbles; sub-rounded, coarse to fine; highly calcareous; HCl reactive; trace silt; trace coarse to fine-grained sand; firm; low plasticity; (gc); damp.	**4.5-5.5'** SAMPLE (VOAs only) SEP06890406
6			**ARAPAHOE/LARAMIE FORMATION** 7.2-7.4': SILTY CLAYSTONE: very pale orange (10 YR 8/2); consolidated; highly calcareous; HCl reactive; caliche type material; stiff; low to high plasticity; damp.	
7			**8.5-10.5' SAMPLE.** Recovered 2.2/2.0' = 120%. SILTY CLAYSTONE: very pale orange (10 YR 8/2) grading to light olive gray (5 Y 6/1); streaks of dark yellowish orange (10 YR 6/6); highly calcareous in upper portion; HCl reactive; stiff; low to high plasticity; damp.	**8.5-10.5'** Readings in Auger HNU: 0.4 OVA: 35
8			**TOTAL DEPTH = 10.5'**	
9				
10				
11				
12				
13				

SEP06898

LOG OF BOREHOLE

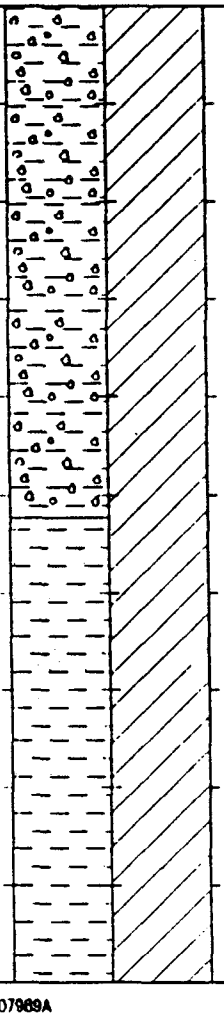
QA BY/DATE J.B. Burman 1/24-89
LOCATION Rocky Flats Plant; Solar Ponds Area
COORDINATES N37,683.92 E22,226.17 (RFP)
TOTAL DEPTH 26.2'

DRILLING COMPANY Boyles Brothers
DATE DRILLED May 2,1 1989
DRILLING METHOD Hollow Stem Auger
LOGGED BY K.E. Miller
GEOLOGIST

BOREHOLE/WELL NO. P207989
GROUND SURFACE ELEVATION 5963.09'
WATER LEVEL ENCOUNTERED 4.2'
STATIC 14.86' (09/14/89)
DRILLER R. Sharp HELPER P. Mesa
DRILLING FLUID None
CHECKED BY J.B. Burman
SITE MANAGER

CEARP MANAGER

COMMENTS

DEPTH (FT)	GRAPHIC LOG	SAMPLE TYPE	LITHOLOGIC DESCRIPTION	SAMPLES COLLECTED OR OTHER TESTS PERFORMED
0 1 2 3 4 5			**ROCKY FLATS ALLUVIUM** 0.0-2.2' SAMPLE. Recovered 2.1/2.2' = 95%. CLAYEY GRAVEL: brownish black (5 YR 2/1); to moderate brown (5 YR 4/4); coarse to fine quartzite gravel to 3 cm; coarse to fine-grained quartz sand; unconsolidated; firm; non to low plasticity; non-calcareous; carbonaceous; (gc); damp. 2.2-4.2' SAMPLE. Recovered 1.2/2.0' = 60%. 2.2-2.6': CLAYEY GRAVEL: same as above. 2.6-3.4': CLAYEY SAND: very pale orange (10 YR 8/2); coarse to fine-grained sand; quartz; subrounded; moderately consolidated; trace coarse to fine gravel; very firm; low plasticity; (sc); damp. 4.2-6.2' SAMPLE. Recovered 2.0/2.0' = 100%. 4.2-6.2' sample.Recovered 2.0/2.0' = 100%. 4.2-6.0': CLAYEY SAND: same as above; some gravel; coarse to fine; subrounded quartzite; grading to light brown (5 YR 5/6); (sc) wet.	HNu Background: 0.0 OVA Background: 0.0 All readings on cuttings, in breathing zone, on core, and in auger: 0.0; unless otherwise noted below. TRIP BLANK SAMPLE TB050289 0.0-2.6' SAMPLE SEP0789BR0003 0.0-2.0' SAMPLE (VOAs only) SEP0789BR0002 2.2-4.2': Readings in Auger: HNu: 0.04 OVA: 6.0 2.6-6.0' SAMPLE SEP0789BR0306 4.2' 4.2-6.2' SAMPLE (VOAs only) SEP0789BR0406

07989A

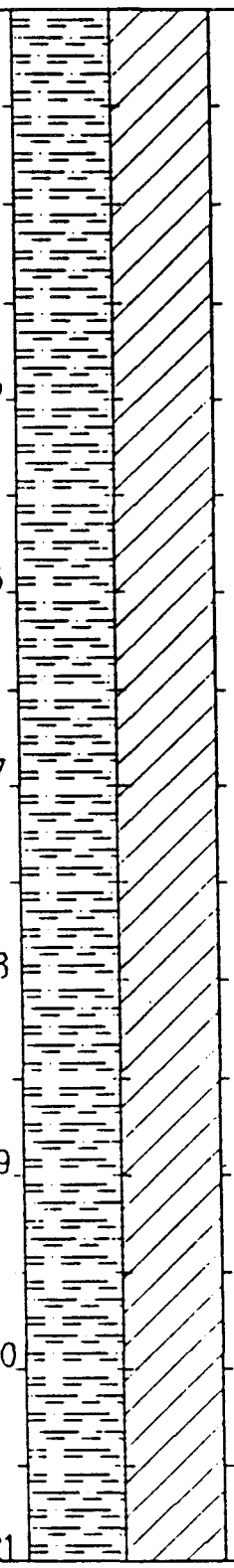
WELL NO. P207989

LOG OF BOREHOLE

DEPTH (FT)	GRAPHIC LOG	SAMPLE TYPE	LITHOLOGIC DESCRIPTION	SAMPLES COLLECTED OR OTHER TESTS PERFORMED
5 6 7 8 9 10 11 12 13			**ARAPAHOE/LARAMIE FORMATION** 6.0-6.2': SILTY CLAYSTONE: light olive gray (5 Y 6/1); trace coarse to fine-grained sand; quartz; consolidated; very stiff; low to high plasticity; highly calcareous; HCl reactive; damp. 6.2-8.2' SAMPLE. Recovered 2.0/2.0' = 100%. SILTY CLAYSTONE: same as above; more silt; streaks of dark yellowish orange (10 YR 6/6); grading to pale olive (10 Y 6/2); stiff; low to high plasticity; damp. 8.2-10.2' SAMPLE. Recovered 2.0/2.0 = 100%. SILTY CLAYSTONE: same as above. 10.2-12.2' SAMPLE. Recovered 2.0/2.0' = 100%. SILTY CLAYSTONE: pale olive (10 Y 6/2) to light olive brown (5 Y 5/6); stains of dark yellowish orange (10 YR 6/6); consolidated; small calcareous nodule; HCl reactive; very stiff to hard; low plasticity; damp. 12.2-14.2' SAMPLE. Recovered 2.1/2.0' = 105%. SILTY CLAYSTONE: same as above.	6.0-12.2' SAMPLE SEP0789BR0612 6.2-8.2' SAMPLE (VOAs only) SEP0789BR0608 6.2-8.2': Readings in Auger: HNu: 0.2 OVA: 1.0 8.2-10.2': Readings in Auger: HNu: 0.2 OVA: 1.0 10.2-12.2' SAMPLE (VOAs only) SEP0789BR1012 12.2-18.2' SAMPLE SEP0789BR1218 12.2-14.2': Reading in Auger: OVA: 0.2

WELL NO. P207989

LOG OF BOREHOLE

DEPTH (FT)	GRAPHIC LOG	SAMPLE TYPE	LITHOLOGIC DESCRIPTION	SAMPLES COLLECTED OR OTHER TESTS PERFORMED
13 14 15 16 17 18 19 20 21			14.2-16.2' SAMPLE. Recovered 2.1/2.0' = 105%. SILTY CLAYSTONE: same as above; small calcareous nodule; HCl reactive; lignite lense--black (N 1/0); hard; low plasticity; dry. 16.2-18.2' SAMPLE. Recovered 2.2/2.0' = 110%. SILTY CLAYSTONE: same as above; amount of iron oxidation; concretions. 18.2-20.2' SAMPLE. Recovered 2.2/2.0' = 110%. SILTY CLAYSTONE: same as above. 20.2-22.2' SAMPLE. Recovered 2.0/2.0' = 100%. SILTY CLAYSTONE: light olive gray (5 Y 6/1) to olive gray (5 Y 4/1); carbonaceous streaks--black (N 1/0); mottles of dark yellowish orange (10 YR 6/6); consolidated; very stiff to hard; low to high plasticity; damp.	14.2-16.2' SAMPLE (VOAs only) SEP0789BR1416 14.2-16.2': Reading in Auger; OVA: 0.2 14.86' 18.2-20.2' SAMPLE (VOAs only) SEP0789BR1820 18.2-20.2': Readings in Auger: HNu: 0.2 OVA: 0.4

WELL NO. P207989

LOG OF BOREHOLE

DEPTH (FT)	GRAPHIC LOG	SAMPLE TYPE	LITHOLOGIC DESCRIPTION	SAMPLES COLLECTED OR OTHER TESTS PERFORMED
21			**22.2-24.2' SAMPLE** Recovered 1.4/2.0' = 70%. SILTY CLAYSTONE: same as above. **24.2-26.2' SAMPLE.** Recovered 2.0/2.0' = 100%. SILTY CLAYSTONE: light olive gray (5 Y 6/1) to medium gray (N 5/0); fractured; stained dark yellowish orange (10 YR 6/6); calcareous nodule to 2 cm; hard; high HCl reaction; hard; low plasticity; dry.	
22				
23			**TOTAL DEPTH = 26.2'**	
24				
25				
26				
27				
28				
29				

079890

LOG OF BOREHOLE

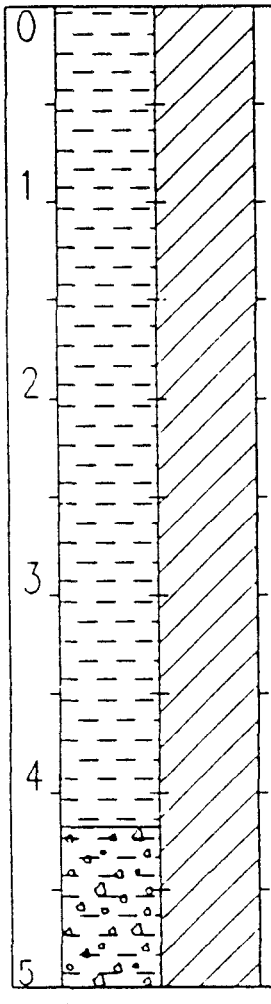
QA BY/DATE J. B. Berman 11-28-89
LOCATION Rocky Flats Plant: Solar Pond Area
COORDINATES N36,154.24 E22,774.48 (RFP)
TOTAL DEPTH 22.2'

DRILLING COMPANY Bowles Brothers
DATE DRILLED April 17, 1989
DRILLING METHOD Hollow Stem Auger
LOGGED BY K.E. Miller
GEOLOGIST

BOREHOLE/WELL NO. B208089
GROUND SURFACE ELEVATION 5935.4'
WATER LEVEL ENCOUNTERED None
STATIC 12.04' (08/31/89)
DRILLER R. Sharp HELPER A. Bodoy
DRILLING FLUID None
CHECKED BY J B Berman
SITE MANAGER

CEARP MANAGER

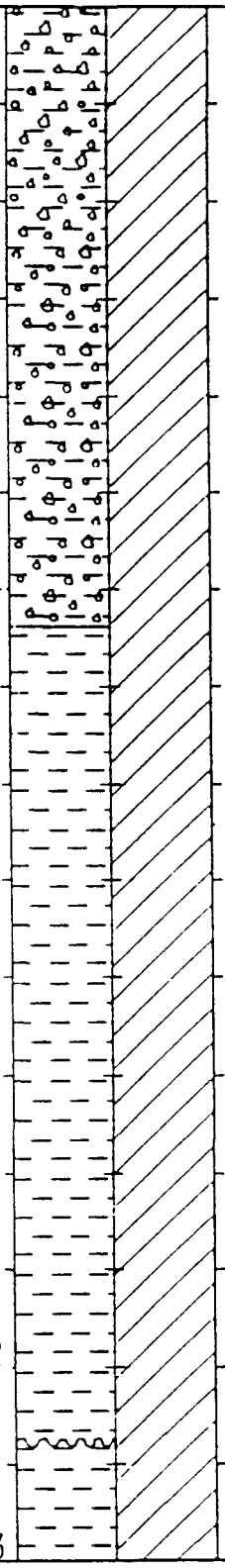
COMMENTS

DEPTH (FT)	GRAPHIC LOG	SAMPLE TYPE	LITHOLOGIC DESCRIPTION	SAMPLES COLLECTED OR OTHER TESTS PERFORMED
0 1 2 3 4 5			**TOPSOIL** 0.0-2.1' SAMPLE. Recovered 1.6/2.1' = 76%. 0.0-0.4': CLAY: brownish black (5 YR 2/1); roots; grass; consolidated; moderately plastic; damp. **COLLUVIUM** 0.4-1.6': CLAY: light olive gray (5 Y 6/1) to yellowish gray (5 Y 7/2); iron stains--dark yellowish orange (10 YR 6/6); trace coarse-grained sand; consolidated; moderately plastic; trace gravel; subangular; damp. 2.1-4.2' SAMPLE. Recovered 1.0/2.1' = 48%. CLAY: same as above; small calcareous nodules; effervesces with HCl; damp. 4.2-6.2' SAMPLE. Recovered 1.8/2.0' = 90%. GRAVELLY CLAY: grayish orange (10 YR 7/4) to moderate brown (5 YR 4/4); (30%) gravel; quartzite; subangular to 3cm; broken; consolidated; moderately plastic; iron streaks--dark yellowish orange (10 YR 6/6); damp.	HNu Background: 0.0 OVA Background: 0.0 All readings on cuttings, on core, in breathing zone and in augers: 0.0, unless otherwise noted below.

0889A

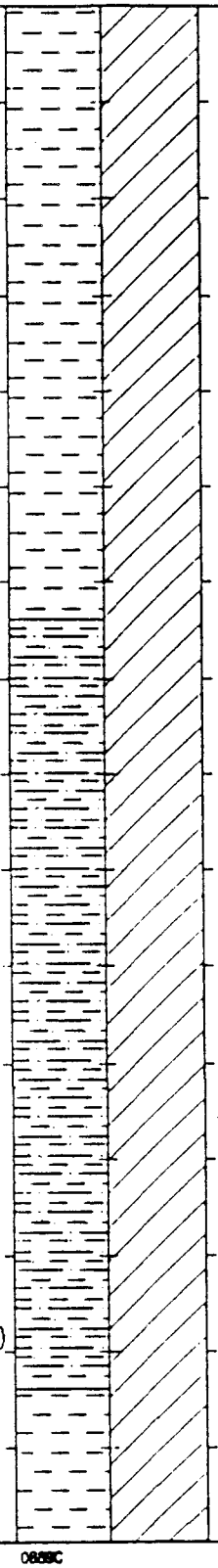
WELL NO. B208089

LOG OF BOREHOLE

DEPTH (FT)	GRAPHIC LOG	SAMPLE TYPE	LITHOLOGIC DESCRIPTION	SAMPLES COLLECTED OR OTHER TESTS PERFORMED
5 6 7 8 9 10 11 12 13			6.2-8.2' SAMPLE. Recovered 2.0/2.0' = 100%. GRAVELLY CLAY: same as above; trace coarse-grained sand; non-calcareous. 8.2-10.2' SAMPLE. Recovered 1.6/2.0' = 80%. CLAY: dusky yellow (5 Y 6/4) to light olive brown (5 Y 5/6); trace gravel; quartzite; subrounded to 2cm; iron streaks--dark yellowish orange (10 YR 6/6); well consolidated; moderately plastic; damp. 10.2-12.2' SAMPLE. Recovered 0.4/2.0' = 20%. CLAY: olive black (5 Y 2/1); large cobble of quartzite 4-5cm; angular; broken; semi-consolidated; moderately plastic; non-calcareous; damp. 12.2-14.2' SAMPLE. Recovered 1.7/2.0' = 85%. 12.2-12.4': CLAY: light olive brown (5 Y 5/6); trace gravel; iron nodules--dark yellowish orange (10 YR 6/6); consolidated; moderately plastic; damp. ARAPAHOE/LARAMIE FORMATION 12.4-13.9': CLAYSTONE: dusky yellow (5 Y 6/4); some coarse-grained quartz sand (1.5-0.5 phi); poorly sorted; calcareous nodules; high HCl reaction; iron streaks--dark yellowish orange (10 YR 6/6); highly plastic; consolidated; damp.	12.04'

WELL NO. B208089

LOG OF BOREHOLE

DEPTH (FT)	GRAPHIC LOG	SAMPLE TYPE	LITHOLOGIC DESCRIPTION	SAMPLES COLLECTED OR OTHER TESTS PERFORMED
13 14 15 16 17 18 19 20 21			14.2-16.2' SAMPLE. Recovered 1.5/2.0' = 75%. CLAYSTONE: light olive brown (5 Y 5/6) grading to pale olive (10 Y 6/2); iron streaks--dark yellowish orange (10 YR 6/6); consolidated; high plasticity; trace coarse-grained quartz sand (1.0-0.5 phi); damp. 16.2-18.2' SAMPLE. Recovered 1.7/2.0' = 85%. SANDY SILTY CLAYSTONE: yellowish gray (5 Y 7/2); consolidated; moderately plastic; fine to coarse-grained sand; poorly sorted; iron streaks--dark yellowish orange (10 YR 6/6); dry. 18.2-20.2' SAMPLE. Recovered 1.5/2.0' = 75%. SANDY SILTY CLAYSTONE: same as above. 20.2-22.2' SAMPLE. Recovered 1.4/2.0' = 70%. CLAYSTONE: light olive gray (5 Y 5/2); trace silt and sand; lignite pieces--black (N 1/0); iron streaks--dark yellowish orange (10 YR 6/6); consolidated; high plasticity; damp.	18.2': Reading in Auger: OVA: 500 18.2-20.2': Reading on Core: OVA: 100 20.2': Reading in Auger: OVA: 90

WELL NO. B208089

LOG OF BOREHOLE

DEPTH (FT)	GRAPHIC LOG	SAMPLE TYPE	LITHOLOGIC DESCRIPTION	SAMPLES COLLECTED OR OTHER TESTS PERFORMED
21				
			TOTAL DEPTH = 22.2'	
22				
23				
24				
25				
26				
27				
28				
29				

LOG OF BOREHOLE

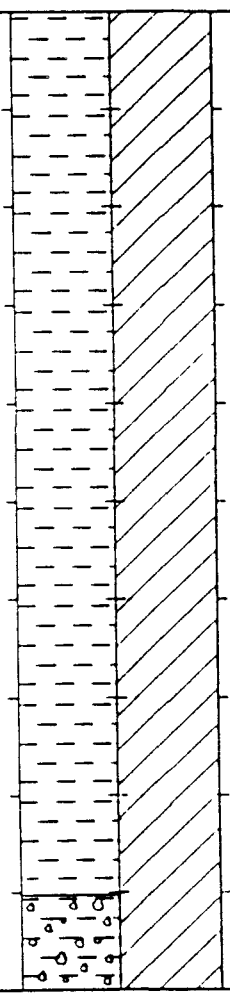
QA BY/DATE J.B. Berman / 11-28-89
LOCATION Rocky Flats Plant: Solar Ponds Area
COORDINATES N38,149.60 E22,783.27 (RFP)
TOTAL DEPTH 32.5'

DRILLING COMPANY Boyles Brothers
DATE DRILLED April 18, 1989
DRILLING METHOD Hollow Stem Auger
LOGGED BY K.E. Miller
GEOLOGIST

BOREHOLE/WELL NO. B208189
GROUND SURFACE ELEVATION 5935.4'
WATER LEVEL ENCOUNTERED None
STATIC 21.63' (08/31/89)
DRILLER R. Sharp HELPER P. Mesa
DRILLING FLUID None
CHECKED BY J.B. Berman
SITE MANAGER

CEARP MANAGER

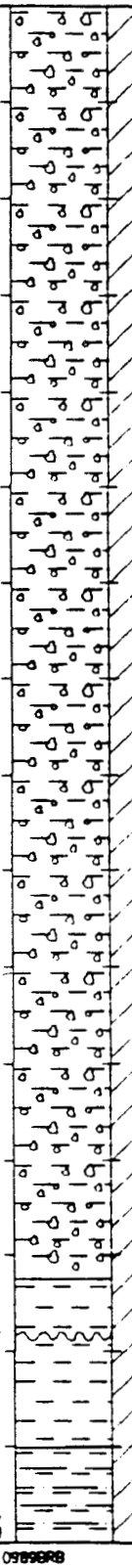
COMMENTS

DEPTH (FT)	GRAPHIC LOG	SAMPLE TYPE	LITHOLOGIC DESCRIPTION	SAMPLES COLLECTED OR OTHER TESTS PERFORMED
0 1 2 3 4 5			**TOPSOIL** 0.0-2.2' SAMPLE. Recovered 2.2/2.2' = 100%. 0.0-0.3': CLAY: olive gray (5 YR 3/2); roots; grass; consolidated; plastic; damp. **COLLUVIUM** 0.3-2.2': CLAY: dusky yellow (5 Y 6/4) to yellowish gray (5 Y 7/2); mottles of moderate yellow (5 Y 7/6); small calcareous nodules; HCl reactive; consolidated; high plasticity; damp. 2.2-4.5' SAMPLE. Recovered 2.3/2.3' = 100%. CLAY: same as above; trace silt; trace coarse to fine-grained sand (1.0-0.5 phi); damp. 4.5-6.5' SAMPLE. Recovered 2.0/2.0' = 100%. GRAVELLY CLAY: grayish orange (10 YR 7/4) to light brown (5 YR 5/2); (30%) gravel; quartzite; subrounded to 2cm; consolidated; high plasticity; damp.	HNu Background: 0.0 OVA Background: 0.0 All readings on cuttings, in breathing zone, on core and in augers: 0.0; unless otherwise noted below.

SEP0909A

WELL NO. B208189

LOG OF BOREHOLE

DEPTH (FT)	GRAPHIC LOG	SAMPLE TYPE	LITHOLOGIC DESCRIPTION	SAMPLES COLLECTED OR OTHER TESTS PERFORMED
5 6 7 8 9 10 11 12 13			<u>6.5-8.5' SAMPLE.</u> Recovered 2.0/2.0' = 100%. GRAVELLY CLAY: same as above; less gravel; calcareous nodules; HCl reactive; damp. <u>8.5-10.5' SAMPLE.</u> Recovered 2.0/2.0' = 100%. GRAVELLY CLAY: light brown (5 YR 6/4); (25%) gravel; quartzite; subrounded to 3cm; trace coarse to fine-grained sand; silt; poorly sorted; well consolidated; high plasticity; calcareous nodules; HCl reactive; damp. <u>10.5-12.5' SAMPLE.</u> Recovered 2.2/2.0' = 110%. 10.5-11.6': GRAVELLY CLAY: same as above. 11.6-11.9': CLAY: brownish black (5 YR 2/1); highly carbonaceous; humus; roots; trace silt; consolidated; moderately plastic; dry. <u>ARAPAHOE/LARAMIE FORMATION</u> 11.9-12.5': CLAYSTONE: dusky yellow (5 Y 6/4); calcareous nodules; HCl reactive; plastic; consolidated; damp. <u>12.5-14.5' SAMPLE.</u> Recovered 2.1/2.0' = 105%. SILTY CLAYSTONE: dusky yellow (5 Y 6/4) to pale olive (10 Y 6/2); mottles of moderate yellow (5 Y 7/6); calcareous nodules; HCl reactive; consolidated; high plasticity; damp.	<u>14.5'</u> Reading in Auger: OVA: 100

WELL NO. B208189

LOG OF BOREHOLE

DEPTH (FT)	GRAPHIC LOG	SAMPLE TYPE	LITHOLOGIC DESCRIPTION	SAMPLES COLLECTED OR OTHER TESTS PERFORMED
13 14 15 16 17 18 19 20 21			14.5-16.5' SAMPLE. Recovered 2.1/2.0' = 105%. SILTY CLAYSTONE: same as above; less silt. 16.5-18.5'. SAMPLE. Recovered 2.0/2.0' = 100%. CLAYSTONE: yellowish gray (5 Y 7/2); trace silt; mottles of moderate yellow (5 Y 2/6); lignite pieces--black (N 1/0); consolidated; high plasticity; calcareous nodules; HCl reactive; damp. 18.5-20.5' SAMPLE. Recovered 2.0/2.0' = 100%. CLAYSTONE: same as above. 20.5-22.5' SAMPLE. Recovered 2.1/2.0' = 105%. SILTY CLAYSTONE: yellowish gray (5 Y 7/2) with moderate yellow (5 Y 7/6); mottles; trace coarse to fine-grained quartz sand (1.0-0.5 phi); high plasticity; well consolidated; damp.	14.5-16.5' Reading on Core: OVA: 50

WELL NO. B208189

LOG OF BOREHOLE

DEPTH (FT)	GRAPHIC LOG	SAMPLE TYPE	LITHOLOGIC DESCRIPTION	SAMPLES COLLECTED OR OTHER TESTS PERFORMED
21 22 23 24 25 26 27 28 29			<u>22.5-24.5' SAMPLE.</u> Recovered 2.1/2.0; = 105%. SILTY CLAYSTONE: yellowish gray (5 Y 7/2); grading to light olive gray (5 Y 5/2); streaks of dark yellowish orange (10 YR 6/6); lignite in shoe--black (N 1/0); highly carbonaceous; pieces of calcareous nodules; high HCl reaction; dry. <u>24.5-26.5' SAMPLE.</u> Recovered 2.1/2.0' = 105%. SILTY CLAYSTONE: same as above; small 0.2' lignite lense at 25.6'--black (N 1/0); trace coarse to fine-grained sand (1.0-0.5 phi); grading to grayish orange (10 YR 7/4); damp. <u>26.5-28.5' SAMPLE.</u> Recovered 2.0/2.0' = 100%. SILTY CLAYSTONE: dark gray (N 3/0); highly carbonaceous; abundant lignite pieces--black (N 1/0); moderately consolidated; moderately plastic; trace calcareous; low HCl reaction; dry. <u>28.5-30.5' SAMPLE.</u> Recovered 2.0/2.0' = 100%. SILTY CLAYSTONE: same as above; grading to medium dark gray (N 4/0); less consolidated; moderately plastic.	▼ 21.63'

SEP09890

WELL NO. B208139

LOG OF BOREHOLE

DEPTH (FT)	GRAPHIC LOG	SAMPLE TYPE	LITHOLOGIC DESCRIPTION	SAMPLES COLLECTED OR OTHER TESTS PERFORMED
29			30.5-32.5' SAMPLE. Recovered 2.1/2.0' = 105%. SILTY CLAYSTONE: same as above; light olive gray (5 Y 5/2).	
30			TOTAL DEPTH = 32.5'	
31				
32				
33				
34				
35				
36				
37				

LOG OF BOREHOLE

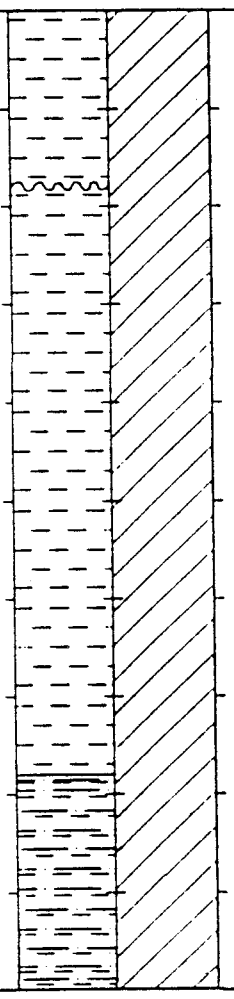
QA BY/DATE J.B. Bernard/11-28-89
LOCATION Rocky Flats Plant; Solar Ponds Area
COORDINATES N38,748.93 E23,188.76 (RFP)
TOTAL DEPTH 19.0'

DRILLING COMPANY Boyles Brothers
DATE DRILLED April 14, 1989
DRILLING METHOD Hollow Stem Auger
LOGGED BY K.E. Miller
GEOLOGIST

BOREHOLE/WELL NO. B208289
GROUND SURFACE ELEVATION 5850.7'
WATER LEVEL ENCOUNTERED None
STATIC None (08/28/89)
DRILLER R. Sharp HELPER P. Mesa
DRILLING FLUID None
CHECKED BY J.B. Bernard
SITE MANAGER

CEARP MANAGER

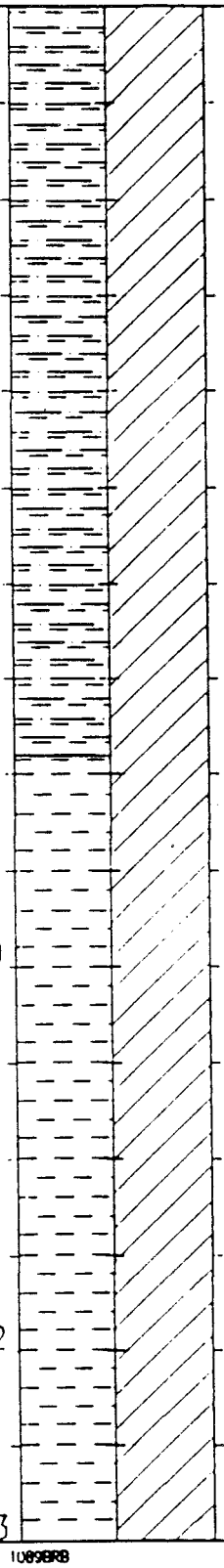
COMMENTS

DEPTH (FT)	GRAPHIC LOG	SAMPLE TYPE	LITHOLOGIC DESCRIPTION	SAMPLES COLLECTED OR OTHER TESTS PERFORMED
0 1 2 3 4 5			**TOPSOIL** 0.0-1.9' SAMPLE. Recovered 2.0/1.9' = 105%. 0.0-0.9': CLAY: olive gray (5 Y 4/1); roots; trace silt; consolidated; moderately plastic; dry. **ARAPAHOE/LARAMIE FORMATION** 0.9-1.9': CLAYSTONE: same as above; no roots; no gravel or boulders. 1.9-3.9' SAMPLE. Recovered 2.0/2.0' = 100%. CLAYSTONE: olive gray (5 Y 4/1); iron streaks--dark yellowish orange (10 YR 6/6); highly plastic; some calcareous caliche; consolidated; dry. 3.9-5.9' SAMPLE. Recovered 2.0/2.0' = 100%. SILTY CLAYSTONE: olive gray (5 Y 4/1); (30%) silt; moderately consolidated; iron streaks--dark yellowish orange (10 YR 6/6); moderately plastic; damp.	HNu Background: 0.0 OVA Background: 0.0 All readings on cuttings, on core, in breathing zone and in augers: 0.0; unless otherwise noted below.

1059BRA

WELL NO. B208289

LOG OF BOREHOLE

DEPTH (FT)	GRAPHIC LOG	SAMPLE TYPE	LITHOLOGIC DESCRIPTION	SAMPLES COLLECTED OR OTHER TESTS PERFORMED
5 6 7 8 9 10 11 12 13			5.9-7.9' SAMPLE. Recovered 2.0/2.0' = 100%. SILTY CLAYSTONE: same as above. 7.9-9.9' SAMPLE. Recovered 1.7/2.0' = 85%. 7.9-8.9': SILTY CLAYSTONE: same as above. 8.9-9.6': CLAYSTONE: olive gray (5 Y 3/2); consolidated; highly plastic; iron streaks--dark yellowish orange (10 YR 6/6); non-calcareous; highly weathered; dry. 9.9-11.9' SAMPLE. Recovered 2.0/2.0' = 100%. CLAYSTONE: same as above. 11.9-13.9' SAMPLE. Recovered 2.0/2.0' = 100%. CLAYSTONE: olive black (5 Y 2/1); small fractures; iron streaks--dark yellowish orange (10 YR 6/6); highly plastic; consolidated; non-calcareous; highly weathered; dry.	

1089BRB

WELL NO. B208289

LOG OF BOREHOLE

DEPTH (FT)	GRAPHIC LOG	SAMPLE TYPE	LITHOLOGIC DESCRIPTION	SAMPLES COLLECTED OR OTHER TESTS PERFORMED
13			13.9-15.9' SAMPLE. Recovered 2.0/2.0' = 100%. CLAYSTONE: olive black (5 Y 2/1) to olive gray (5 Y 4/1); carbonaceous nodules--black (N 1/0); consolidated; moderately plastic; iron streaks--dark yellowish orange (10 YR 6/6); some fracturing; weathered; dry.	
14			15.9-17.9' SAMPLE. Recovered 2.0/2.0' = 100%. CLAYSTONE: medium dark gray (N 4/0); streaks of carbonaceous material--black (N 1/0); some iron stains--dark yellowish orange (10 YR 6/6); consolidated; moderately plastic; calcareous HCl reaction; dry.	
15			17.9-19.0' SAMPLE. Recovered 1.1/1.1' = 100%. SILTY CLAYSTONE: medium dark gray (N 4/0); fractured; iron stains--dark yellowish orange (10 YR 6/6); some small calcareous nodules; effervesces with HCl; moderately plastic; moderately consolidated; dry.	
16			TOTAL DEPTH = 19.0'	
17				
18				
19				
20				
21				

LOG OF BOREHOLE

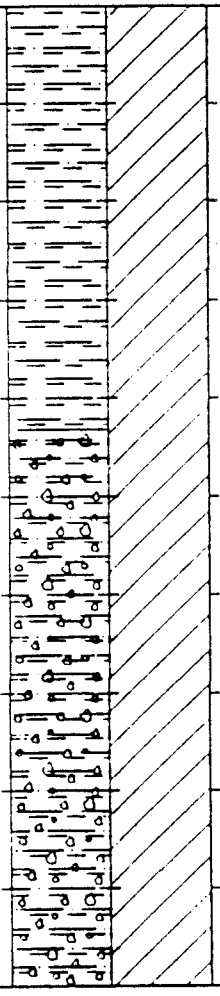
QA RY/DATE J.B. Burman
LOCATION Rocky Flats Plant; Solar Ponds Area
COORDINATES N38,699.83 E22,484.18 (RFP)
TOTAL DEPTH 16.3'

DRILLING COMPANY Boyles Brothers
DATE DRILLED April 19, 1989
DRILLING METHOD Hollow Stem Auger
LOGGED BY K.E. Miller
GEOLOGIST

BOREHOLE/WELL NO. B208389
GROUND SURFACE ELEVATION 5876.8'
WATER LEVEL ENCOUNTERED None
STATIC None (08/28/89)
DRILLER R. Sharp HELPER P. Mesa
DRILLING FLUID None
CHECKED BY J.B. Burman
SITE MANAGER

CEARP MANAGER

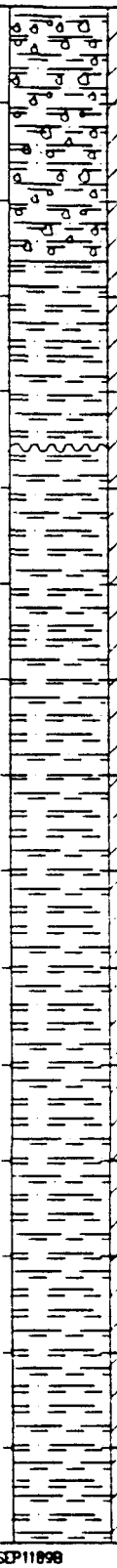
COMMENTS

DEPTH (FT)	GRAPHIC LOG	SAMPLE TYPE	LITHOLOGIC DESCRIPTION	SAMPLES COLLECTED OR OTHER TESTS PERFORMED
0 1 2 3 4 5			**TOPSOIL** 0.0-2.2' SAMPLE. Recovered 1.5/2.2' = 68%. SILTY CLAY: grayish brown (5 YR 3/2); organic; trace gravel; coarse to fine; quartzite; very stiff; low plasticity; roots; trace calcareous; HCl reactive; (ol); damp. **COLLUVIUM** 2.2-4.3' SAMPLE. Recovered 1.5/2.1' = 71%. SILTY GRAVELLY CLAY: dark yellowish brown (10 YR 4/2); stiff; low plasticity; calcareous nodules; HCl reactive; (cl with silt, gravel); damp. 4.3-6.3' SAMPLE. Recovered 2.0/2.0' = 100%. SILTY GRAVELLY CLAY: same as above; more gravel; subrounded quartzite and K-feldspar; coarse to fine, to 2 cm; iron streaks--dark yellowish orange (10 YR 6/6).	HNu Background: 0.0 OVA Background: 0.0 All readings on cuttings, on core, in breathing zone and in augers: 0.0

SEP1189A

WELL NO. 3208389

LOG OF BOREHOLE

DEPTH (FT)	GRAPHIC LOG	SAMPLE TYPE	LITHOLOGIC DESCRIPTION	SAMPLES COLLECTED OR OTHER TESTS PERFORMED
5 6 7 8 9 10 11 12 13			6.3-8.3' SAMPLE. Recovered 2.0/2.0' = 100%. 6.3-7.3': SILTY CLAY: dusky yellow (5 Y 6/4); to moderate yellowish brown (10 YR 5/4); trace coarse to fine-grained sand; very stiff; non-plastic; (cl); damp. ARAPAHOE/LARAMIE FORMATION 7.3.8.3': SILTY CLAYSTONE: dusky yellow (5 Y 6/4); trace coarse to fine-grained sand; quartz; very stiff; low plasticity; damp. 8.3-10.3' SAMPLE. Recovered 2.0/2.0' = 100%. SILTY CLAYSTONE: same as above. 10.3-12.3' SAMPLE. Recovered 2.1/2.0' = 105%. SILTY CLAYSTONE: light olive brown (5 Y 5/6) to dusky yellow (5 Y 6/4); iron stains--dark yellowish orange (10 YR 6/6); very stiff; low plasticity; unconsolidated; calcareous; HCl reactive; damp. 12.3-14.3' SAMPLE. Recovered 2.12.0' = 105%. SILTY CLAYSTONE: same as above.	

SDP11898

WELL NO. B208389

LOG OF BOREHOLE

DEPTH (FT)	GRAPHIC LOG	SAMPLE TYPE	LITHOLOGIC DESCRIPTION	SAMPLES COLLECTED OR OTHER TESTS PERFORMED
13			14.3-16.3' SAMPLE. Recovered 2.1/2.0' = 105%. SILTY CLAYSTONE: dusky yellow (5 Y 6/4) grading to light olive brown (5 Y 5/6); very stiff; low plasticity; highly carbonaceous; lignite pieces--black (N 1/0); calcareous nodules; HCl reactive; damp.	
14			TOTAL DEPTH = 16.3'	
15				
16				
17				
18				
19				
20				
21				

SEP1189C

LOG OF BOREHOLE

QA BY/DATE J.B. Burman 11-29-89
LOCATION Rocky Flats Plant; Solar Ponds Area
COORDINATES N38,695.29 E22,535.71 (RFP)
TOTAL DEPTH 33.2'

DRILLING COMPANY Boyles Brothers
DATE DRILLED April 14, 1989
DRILLING METHOD Hollow Stem Auger
LOGGED BY K.E. Miller
GEOLOGIST

BOREHOLE/WELL NO. B208489
GROUND SURFACE ELEVATION 5876.3'
WATER LEVEL ENCOUNTERED None
STATIC None (08/28/89)
DRILLER R. Sharp HELPER P. Mesa
DRILLING FLUID None
CHECKED BY J.B. Burman
SITE MANAGER

CEARP MANAGER

COMMENTS

DEPTH (FT)	GRAPHIC LOG	SAMPLE TYPE	LITHOLOGIC DESCRIPTION	SAMPLES COLLECTED OR OTHER TESTS PERFORMED
0 1 2 3 4 5			**TOPSOIL** 0.0-2.1' SAMPLE. Recovered 2.1/2.1' = 100%. CLAY: moderate yellowish brown (10 YR 5/4); abundant roots; small calcareous nodules; consolidated; high plasticity; dark yellowish brown (10 YR 4/2) at top; damp. **COLLUVIUM** 2.1-4.2' SAMPLE. Recovered 2.1/2.1' = 100%. CLAY: moderate yellowish brown (10 YR 5/4); some gravel; angular--broken; quartzite; k-feldspar; trace coarse-grained sand; (1.0-1.5 phi); quartz; consolidated; high plasticity; moist. 4.2-6.2' SAMPLE. Recovered 2.0/2.0' = 100%. CLAY: same as 2.1-4.2'; except coarse-grained quartz sand at 6.1' (1.0-0.5 phi); poorly sorted; less gravel; high HCl reaction; iron stained--dark yellowish orange (10 YR 6/6); damp.	HNu Background: 0.0 OVA Background: 0.0 All readings on cuttings, on core, in breathing zone and in augers: 0.0; unless otherwise noted below.

1289ERA

WELL NO. B208489

LOG OF BOREHOLE

DEPTH (FT)	GRAPHIC LOG	SAMPLE TYPE	LITHOLOGIC DESCRIPTION	SAMPLES COLLECTED OR OTHER TESTS PERFORMED
5			6.2-8.2' SAMPLE. Recovered 1.4/2.0' = 70%. SANDY CLAY: moderate yellowish brown (10 YR 5/4); iron stains--dark yellowish orange (10 YR 6/6); coarse-grained; trace gravel; angular; HCl reaction; moderately plastic; damp.	
6			8.2-10.2' SAMPLE. Recovered 2.0/2.0' = 100%. SANDY CLAY: same as above.	
			10.2-12.2' SAMPLE. Recovered 2.0/2.0' = 100%. SANDY CLAY: same as above; more gravel.	
7			12.2-14.2' SAMPLE. Recovered 2.0/2.0' = 100%. CLAY: moderate yellowish brown (10 YR 5/4); some gravel; angular to subangular quartzite to 2cm; trace coarse-grained sand; quartz; consolidated; high plasticity; carbonaceous streaks--black (N 1/0); fractured; damp.	
8				
9				
10				
11				
12				
13				

WELL NO. B208489

LOG OF BOREHOLE

DEPTH (FT)	GRAPHIC LOG	SAMPLE TYPE	LITHOLOGIC DESCRIPTION	SAMPLES COLLECTED OR OTHER TESTS PERFORMED
13			14.2-16.2' SAMPLE. Recovered 1.6/2.0' = 80%. 14.2-15.1': same as above. ARAPAHOE/LARAMIE FORMATION 15.1-15.8': SILTY CLAYSTONE: light olive brown (5 Y 5/6); iron stains--dark yellowish orange (10 YR 6/6); caliche; high effervescence with HCl; no gravel; high plasticity; consolidated; highly weathered; dry. 16.2-18.2' SAMPLE. Recovered 2.0/2.0' = 100%. CLAYSTONE: light olive brown (5 Y 5/6) to brownish gray (5 YR 4/1); iron streaks--dark yellowish orange (10 YR 6/6); consolidated; highly plastic; not much fracturing; dry. 18.2-20.2' SAMPLE. Recovered 2.0/2.0' = 100%. CLAYSTONE: same as above; more weathered; grading to light olive brown (5 Y 5/6); calcareous; HCl reactive; dry. 20.2-22.2' SAMPLE. Recovered 2.0/2.0' = 100%. CLAYSTONE: same as above; much more calcareous; high HCl reaction; highly weathered; dry.	
14				
15				
16				
17				
18				
19				
20				
21				

WELL NO. B208489

LOG OF BOREHOLE

DEPTH (FT)	GRAPHIC LOG	SAMPLE TYPE	LITHOLOGIC DESCRIPTION	SAMPLES COLLECTED OR OTHER TESTS PERFORMED
21 22 23 24 25 26 27 28 29			<u>22.2-24.2' SAMPLE.</u> Recovered 2.0/2.0' = 100%. CLAYSTONE: olive gray (5 Y 3/2); iron stains--dark yellowish orange (10 YR 6/6); carbonaceous lenses--black (N 1/0); less weathered; consolidated; moderately plastic; small calcareous nodules; HCl reactive; dry. <u>24.2-26.2' SAMPLE.</u> Recovered 2.0/2.0' = 100%. SILTY CLAYSTONE: olive gray (5 Y 3/2) grading to olive black (5 Y 2/1); iron staining--dark yellowish orange (10 YR 6/6); small calcareous nodules; HCl reactive; consolidated; moderately plastic; dry. <u>26.2-28.2' SAMPLE.</u> Recovered 0.0/2.0' = 0%. Note: Lost sample. <u>28.2-29.2' SAMPLE.</u> Recovered 0.0/1.0' = 0%. Note: Lost sample.	

1289BRD

WELL NO. 3208489

LOG OF BOREHOLE

DEPTH (FT)	GRAPHIC LOG	SAMPLE TYPE	LITHOLOGIC DESCRIPTION	SAMPLES COLLECTED OR OTHER TESTS PERFORMED
29			29.2-31.2' SAMPLE. Recovered 2.0/2.0' = 100%. SILTY CLAYSTONE: same as 24.2-26.2'.	
30			31.2-33.2' SAMPLE. Recovered 2.0/2.0' = 100%. SILTY CLAYSTONE: same as 24.2-26.2'.	
31			TOTAL DEPTH = 33.2'	
32				
33				
34				
35				
36				
37				

1289BRE

LOG OF BOREHOLE

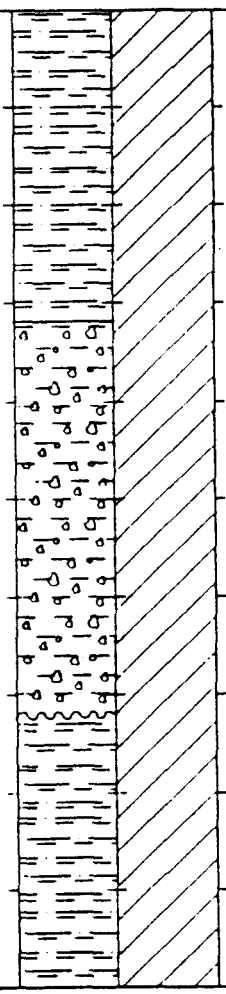
QA BY/DATE J.B. Burman 1/12-4-89
LOCATION Rocky Flats Plant; Solar Ponds Area
COORDINATES N38,816.83 E22,377.09 (RFP)
TOTAL DEPTH 9.6'

DRILLING COMPANY Boyles Brothers
DATE DRILLED April 19, 1989
DRILLING METHOD Hollow Stem Auger
LOGGED BY K.E. Miller
GEOLOGIST

BOREHOLE/WELL NO. B208589
GROUND SURFACE ELEVATION 5856.5'
WATER LEVEL ENCOUNTERED None
STATIC None (08/28/89)
DRILLER R. Sharp HELPER P. Mesa
DRILLING FLUID None
CHECKED BY J.B. Burman
SITE MANAGER

CEARP MANAGER

COMMENTS

DEPTH (FT)	GRAPHIC LOG	SAMPLE TYPE	LITHOLOGIC DESCRIPTION	SAMPLES COLLECTED OR OTHER TESTS PERFORMED
0 1 2 3 4 5			**TOPSOIL** 0.0-1.6' SAMPLE. Recovered 0.2/1.6' = 12%. SILTY CLAY: olive gray (5 Y 3/2); soft; non-plastic; trace coarse to fine-grained sand; abundant organics; (ol); dry. **VALLEY FILL ALLUVIUM** 1.6-3.6' SAMPLE. Recovered 0.4/2.0' = 20%. GRAVELLY CLAY: olive gray (5 Y 3/2); trace silt; trace coarse to fine-grained sand; coarse to fine quartzite gravel to 4 cm; broken; firm; non-plastic; (cl); damp **ARAPAHOE/LARAMIE FORMATION** 3.6-5.6' SAMPLE. Recovered 0.8/2.0' = 40%. SILTY CLAYSTONE: moderate olive brown (5 Y 4/4); consolidated; stiff; low to high plasticity; streaks of dusky yellow (5 Y 6/4); (cl); damp.	HNu Background: 0.0 OVA Background: 0.0 All readings on cuttings, in breathing zone, on core and in augers: 0.0; unless otherwise noted. 3.6': Reading in Auger OVA: 100

SEP1389A

WELL NO. B208589

LOG OF BOREHOLE

DEPTH (FT)	GRAPHIC LOG	SAMPLE TYPE	LITHOLOGIC DESCRIPTION	SAMPLES COLLECTED OR OTHER TESTS PERFORMED
5			5.6-7.6' SAMPLE. Recovered 1.0/2.0' = 50%. SILTY CLAYSTONE: same as above; small calcareous nodules; HCl reactive. 7.6-9.6' SAMPLE. Recovered 2.2/2.0' = 100%. SILTY CLAYSTONE: medium dark gray (N 4/0); trace coarse to fine-grained sand; quartz; moderately consolidated; very stiff; low plasticity; dry.	
6				
7			TOTAL DEPTH 9.6'	
8				
9				
10				
11				
12				
13				

SEP13898

LOG OF BOREHOLE

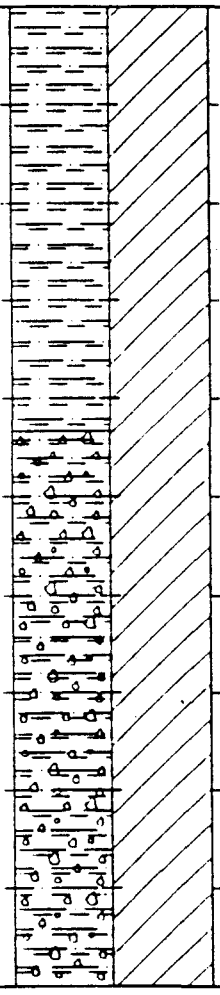
QA BY/DATE J.B. Burman 11-28-89
LOCATION Rocky Flats Plant; Solar Ponds Area
COORDINATES N38,741.72 E22,149.83 (RFP)
TOTAL DEPTH 28.4'

DRILLING COMPANY Boyles Brothers
DATE DRILLED April 20, 1989
DRILLING METHOD Hollow Stem Auger
LOGGED BY K.E. Miller
GEOLOGIST

BOREHOLE/WELL NO. B208689
GROUND SURFACE ELEVATION 5867.6'
WATER LEVEL ENCOUNTERED 5.7'
STATIC 12.71' (08/29/89)
DRILLER R. Sharp HELPER P. Mesa
DRILLING FLUID None
CHECKED BY J.B. Burman
SITE MANAGER

CEARP MANAGER

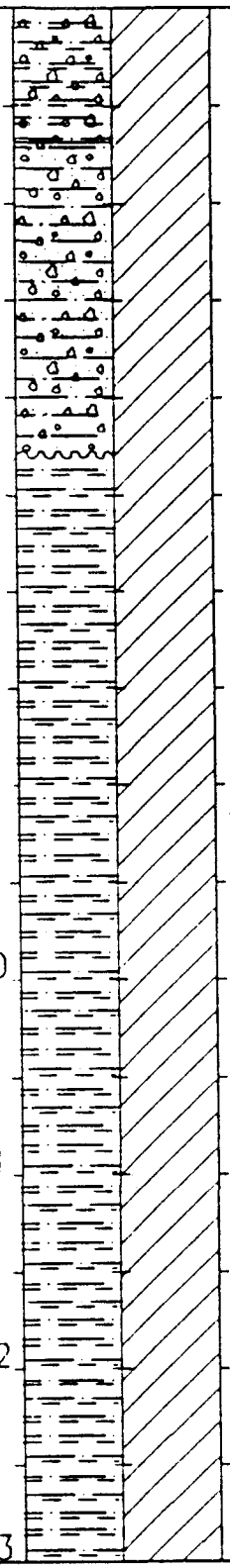
COMMENTS

DEPTH (FT)	GRAPHIC LOG	SAMPLE TYPE	LITHOLOGIC DESCRIPTION	SAMPLES COLLECTED OR OTHER TESTS PERFORMED
0 1 2 3 4 5			**TOPSOIL** 0.0-2.2' SAMPLE. Recovered 0.6/2.2' = 27%. SILTY CLAY: olive gray (5 Y 3/2); trace coarse to fine gravel; quartzite; soft; non-plastic; (ol with gravel); dry. **COLLUVIUM** 2.2-4.4' SAMPLE. Recovered 0.5/2.2' = 23%. GRAVELLY SILTY CLAY: olive gray (5 Y 3/2); coarse to fine quartzite gravel to 2-3 cm; trace coarse to fine-grained quartz sand; firm; low plasticity; (cl-gc); damp. 4.4-6.4' SAMPLE. Recovered 1.8/2.0' = 90%. 4.4-5.7': GRAVELLY SILTY CLAY: same as above.	HNu Background: 0.0 OVA Background: 0.0 All readings on cuttings, on core, in breathing zone and in augers: 0.0; unless otherwise noted below.

SEP1489A

WELL NO. B208689

LOG OF BOREHOLE

DEPTH (FT)	GRAPHIC LOG	SAMPLE TYPE	LITHOLOGIC DESCRIPTION	SAMPLES COLLECTED OR OTHER TESTS PERFORMED
5 6 7 8 9 10 11 12 13			5.7-6.2': SANDY SILTY GRAVEL: light olive brown (5 Y 5/6); coarse to fine quartzite gravel to 2-4 cm; broken; subrounded; coarse to fine-grained sand; subrounded; soft; no plasticity; trace clay; (gc-sc); wet. 6.4-8.4' SAMPLE. Recovered 1.6/2.0' = 80%. 6.4-7.3': SANDY SILTY GRAVEL: same as above. ARAPAHOE/LARAMIE FORMATION 7.3-8.0': SILTY CLAYSTONE: pale olive (10 Y 6/2) to medium gray (N 5/0); consolidated; small calcareous nodules; HCl reactive; very stiff; low plasticity; damp. 8.4-10.4' SAMPLE. Recovered 2.0/2.0' = 100%. SILTY CLAYSTONE: same as above; grading to light olive brown (5 Y 5/6); mottles of dark yellowish orange (10 YR 6/6); consolidated; very stiff; low plasticity; damp. 10.4-12.4' SAMPLE. Recovered 0.5/2.0' = 25%. SILTY CLAYSTONE: same as above; lignite--nodules black (N 1/0). 12.4-14.4' SAMPLE. Recovered 0.4/2.0' = 20%. SILTY CLAYSTONE: light olive brown (5 Y 5/6) to dusky yellow (5 Y 6/4); trace coarse to fine-grained sand; mottles of moderate yellow (5 Y 7/6); very stiff; low plasticity; consolidated; damp.	5.7' 12.71'

SEP14898

WELL NO. B208689

LOG OF BOREHOLE

DEPTH (FT)	GRAPHIC LOG	SAMPLE TYPE	LITHOLOGIC DESCRIPTION	SAMPLES COLLECTED OR OTHER TESTS PERFORMED
13			14.4-16.4' SAMPLE. Recovered 2.2/2.0' = 110%. SILTY CLAYSTONE: same as above; iron stains--dark yellowish orange (10 YR 6/6); fractured; grading to medium gray (N 5/0); dry.	
14			16.4-18.4' SAMPLE. Recovered 2.2/2.0' = 110%. SILTY CLAYSTONE: olive gray (5 Y 4/1); iron stains--dark yellowish orange (10 YR 6/6); calcareous nodules--HCl reactive; very stiff; low plasticity; consolidated; carbonaceous; lignite--black (N 1/0); dry.	
15			18.4-20.4' SAMPLE. Recovered 2.0/2.0' = 110%. SILTY CLAYSTONE: same as above; more silt; dry.	
16			20.4-22.4' SAMPLE. Recovered 2.2/2.0' = 110%. SILTY CLAYSTONE: medium dark gray (N 4/0); mottles of moderate yellow (5 Y 7/6); highly carbonaceous; abundant lignite--black (N 1/0); consolidated; very stiff to hard; low plasticity; dry.	
17				
18				
19				
20				
21				

SEP1489C

WELL NO. B208689

LOG OF BOREHOLE

DEPTH (FT)	GRAPHIC LOG	SAMPLE TYPE	LITHOLOGIC DESCRIPTION	SAMPLES COLLECTED OR OTHER TESTS PERFORMED
21			22.4-24.4' SAMPLE. Recovered 2.2/2.0' = 110%. SILTY CLAYSTONE: same as above; grading to light olive brown (5 Y 5/6); highly carbonaceous; abundant lignite--black (N 1/0); dry.	
22			24.4-26.4' SAMPLE. Recovered 2.0/2.0' = 100%. SILTY CLAYSTONE: olive gray (5 Y 4/1); abundant carbonaceous material; lignite pieces--black (N 1/0); moderately consolidated; hard; low plasticity; iron streaks--dark yellowish orange (10 YR 6/6); dry.	
23			26.4-28.4' SAMPLE. Recovered 2.0/2.0' = 100%. SILTY CLAYSTONE: same as above; grading to medium dark gray (N 4/0).	
24				
			TOTAL DEPTH 28.4'	
25				
26				
27				
28				
29				

SEP14890

LOG OF BOREHOLE

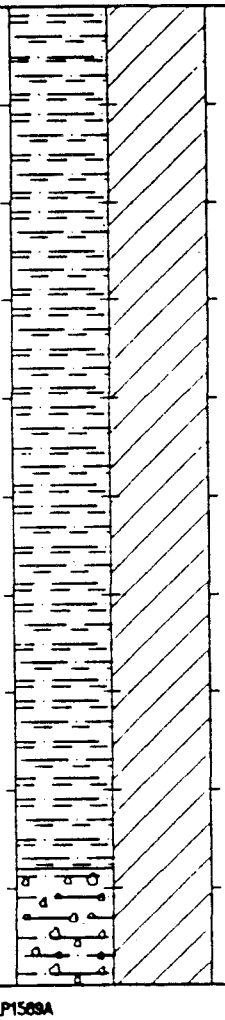
QA BY/DATE J.B. Berman / 11-28-89
LOCATION Rocky Flats Plant; Solar Ponds Area
COORDINATES N38,771.39 E21,350.22 (RFP)
TOTAL DEPTH 14.4'

DRILLING COMPANY Boyles Brothers
DATE DRILLED April 24, 1989
DRILLING METHOD Hollow Stem Auger
LOGGED BY B.J. Pribyl; K.E. Miller
GEOLOGIST

BOREHOLE/WELL NO. B208789
GROUND SURFACE ELEVATION 5907.1'
WATER LEVEL ENCOUNTERED None
STATIC 10.44' (08/28/89)
DRILLER R. Sharp HELPER P. Mesa
DRILLING FLUID None
CHECKED BY J.B. Berman
SITE MANAGER

CEARP MANAGER

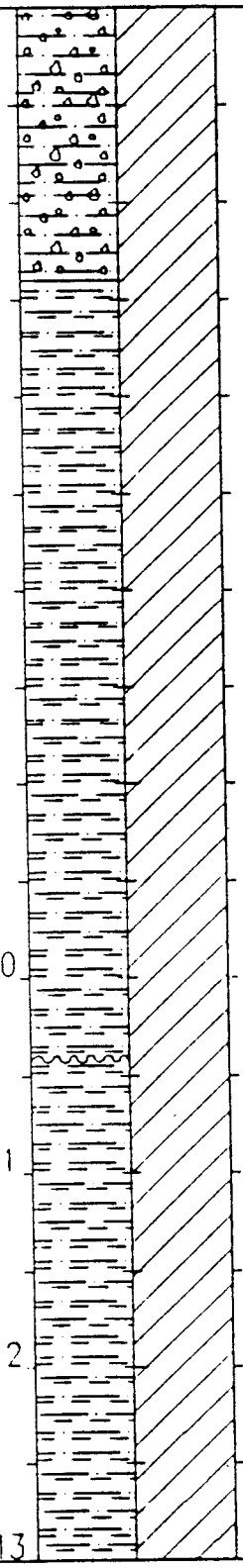
COMMENTS

DEPTH (FT)	GRAPHIC LOG	SAMPLE TYPE	LITHOLOGIC DESCRIPTION	SAMPLES COLLECTED OR OTHER TESTS PERFORMED
0 1 2 3 4 5			**TOPSOIL** 0.0-2.0' SAMPLE. Recovered 1.5/2.2' = 68%. SILTY CLAY: moderate yellowish brown (10 YR 5/4) to dusky yellow (5 Y 6/4); abundant organics; trace gravel, coarse to fine; coarse to fine-grained sand; mottles--moderate yellow (5 Y 7/6); firm; low plasticity; (ol); damp. **COLLUVIUM** 2.2-4.4' SAMPLE. Recovered 2.2/2.2' = 100%. SILTY CLAY: dusky yellow (5 Y 6/4) to moderate yellowish brown (10 YR 5/4); trace gravel; coarse to fine quartzite; broken; subangular; trace coarse to fine-grained sand; (cl with gravel); stiff; low plasticity; damp. 4.4-6.4' SAMPLE. Recovered 1.2/2.0' = 60%. SILTY GRAVEL: moderate yellowish brown (10 YR 5/4) to light olive gray (5 Y 5/1); coarse to fine quartzite gravel; trace coarse to fine-grained sand; trace calcareous nodules; HCl reactive; (cl with gravel); low plasticity; damp.	HNu Background: 0.0 OVA Background: 0.0 All readings on cuttings, in breathing zone, on core and in augers: 0.0; unless otherwise noted below.

SLP1569A

WELL NO. B208789

LOG OF BOREHOLE

DEPTH (FT)	GRAPHIC LOG	SAMPLE TYPE	LITHOLOGIC DESCRIPTION	SAMPLES COLLECTED OR OTHER TESTS PERFORMED
5			6.4-8.4' SAMPLE. Recovered 0.7/2.0' = 35%. SILTY CLAY: same as above; no calcareous material; iron staining--dark yellowish orange (10 YR 6/6) grading to olive gray (5 Y 4/1); (cl); low plasticity; damp.	
6			8.4-10.4' SAMPLE. Recovered 0.5/2.0' = 25%. SILTY CLAY: olive gray (5 Y 4/1); mottled dark yellowish orange (10 YR 6/6); stiff; low plasticity; damp.	8.4-10.4': Reading on Core: OVA: 60
			ARAPAHOE/LARAMIE FORMATION	
7			10.4-12.4' SAMPLE. Recovered 1.0/2.0' = 50%. SILTY CLAYSTONE: olive gray (5 Y 4/1); stiff; non-plastic; iron staining--dark yellowish orange (10 YR 6/6); damp.	10.4': Reading in Auger: OVA: 50 8.4-10.4': Reading on Core: OVA: 60
8			12.4-14.4' SAMPLE. Recovered 1.7/2.0' = 85%. SILTY CLAYSTONE: light olive brown (5 Y 5/6) to light olive gray (5 Y 6/0); very stiff; low plasticity; calcareous nodules; slight HCl reaction; damp.	12.4-14.4' Reading on Core: OVA: 180 14.4': Reading in Auger: OVA: 100
9				
10				10.44'
11				
12				
13				

SEP1589B

WELL NO. B208789

LOG OF BOREHOLE

DEPTH (FT)	GRAPHIC LOG	SAMPLE TYPE	LITHOLOGIC DESCRIPTION	SAMPLES COLLECTED OR OTHER TESTS PERFORMED
13				
14			TOTAL DEPTH = 14.4'	
15				
16				
17				
18				
19				
20				
21				

SEP1589C

LOG OF BOREHOLE

QA BY/DATE J.B. Burman 11-29-89
LOCATION Rocky Flats Plant; Solar Ponds Area
COORDINATES N38,580.65 E21,547.81 (RFP)
TOTAL DEPTH 12.0'

DRILLING COMPANY Boyles Brothers
DATE DRILLED April 26, 1989
DRILLING METHOD Hollow Stem Auger
LOGGED BY K.E. Miller
GEOLOGIST

BOREHOLE/WELL NO. P209989
GROUND SURFACE ELEVATION 5898.1'
WATER LEVEL ENCOUNTERED None
STATIC None (08/31/89)
DRILLER R. Sharp HELPER P. Mesa
DRILLING FLUID None
CHECKED BY J.B. Burman
SITE MANAGER

CEARP MANAGER

COMMENTS

DEPTH (FT)	GRAPHIC LOG	SAMPLE TYPE	LITHOLOGIC DESCRIPTION	SAMPLES COLLECTED OR OTHER TESTS PERFORMED
0 1 2 3 4 5			**TOPSOIL** 0.0-2.0' SAMPLE. Recovered 2.0/2.0' = 100%. 0.0-0.6': SILTY CLAY: dusky yellow (5 Y 6/4); abundant organics; trace coarse to fine-grained sand; unconsolidated; firm; non-plastic; (ol); dry. **COLLUVIUM** 0.6-2.0': SILTY CLAY: light olive brown (5 Y 5/6); some gravel; quartzite; subangular; broken; trace coarse to fine-grained sand; mottles dark yellowish orange (10 YR 6/6); firm to stiff; low plasticity; (cl w/gravel); damp. 2.0-4.0' SAMPLE. Recovered 2.0/2.0' = 100%. SILTY CLAY: dusky yellow (5 Y 6/4) to light olive brown (5 Y 5/6); trace coarse to fine quartzite gravel to 1 cm; subrounded; trace coarse to fine-grained sand; calcareous nodules--HCl reactive; firm; low plasticity; (cl w/gravel); damp. 4.0-6.0' SAMPLE. Recovered 2.1/2.0' = 105%. SILTY CLAY: same as 2.0-4.0'; more coarse to fine gravel; quartzite and K-feldspar; broken; slight HCl reaction; damp.	HNU Background: 0.0 OVA Background: 0.0 All readings on cuttings, in breathing zone, on core, and in augers: 0.0; unless otherwise noted below.

SEP2889A

WELL NO. P209989

LOG OF BOREHOLE

DEPTH (FT)	GRAPHIC LOG	SAMPLE TYPE	LITHOLOGIC DESCRIPTION	SAMPLES COLLECTED OR OTHER TESTS PERFORMED
5			**6.0-8.0' SAMPLE.** Recovered 2.0/2.0' = 100%. 6.0-7.7': SILTY CLAY: same as above. **ARAPAHOE/LARAMIE FORMATION** 7.7-8.0': SILTY CLAYSTONE: dusky yellow (5 Y 6/4) to pale olive (10 Y 6/2); consolidated; very stiff; low plasticity; streaks of dark yellowish orange (10 YR 6/6); slightly calcareous; HCl reactive; damp. **8.0-10.0' SAMPLE.** Recovered 2.1/2.0' = 105%. SILTY CLAYSTONE: same as 7.7-8.0'; trace coarse to fine-grained sand; dry. **10.0-12.0' SAMPLE.** Recovered 2.2/2.0' = 110%. SILTY CLAYSTONE: same as above. **TOTAL DEPTH 12.0'**	
6				
7				
8				
9				
10				
11				
12				
13				

SEP28898

LOG OF BOREHOLE

QA BY/DATE J.B. Burman 11-29-89
LOCATION Rocky Flats Plant; Solar Ponds Area
COORDINATES N38,579.31 E21,538.57 (RFP)
TOTAL DEPTH 28.0'

DRILLING COMPANY Boyles Brothers
DATE DRILLED April 25, 1989
DRILLING METHOD Hollow Stem Auger
LOGGED BY B.J. Pribyl; K.E. Miller
GEOLOGIST

BOREHOLE/WELL NO. P210089
GROUND SURFACE ELEVATION 5898.4'
WATER LEVEL ENCOUNTERED None
STATIC 16.38' (09/05/89)
DRILLER R. Sharp HELPER P. Mesa
DRILLING FLUID None
CHECKED BY J.B. Burman
SITE MANAGER

CEARP MANAGER

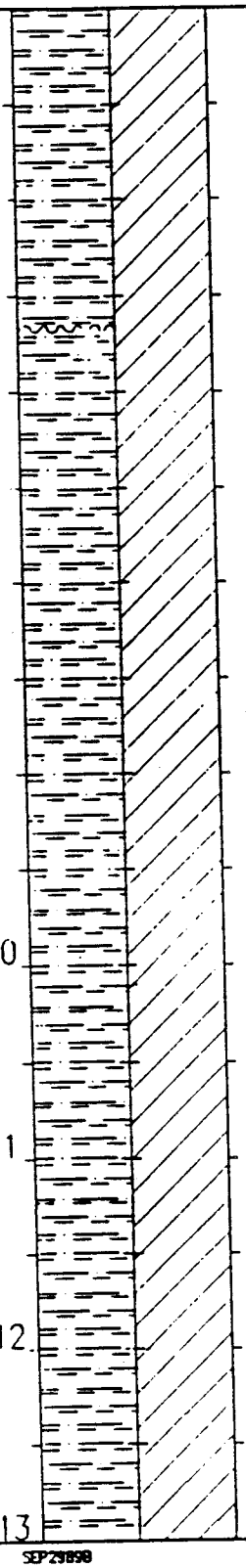
COMMENTS Surface casing set April 25, 1989 at 23.0' and cemented April 25, 1989 by K.E. Miller.

DEPTH (FT)	GRAPHIC LOG	SAMPLE TYPE	LITHOLOGIC DESCRIPTION	SAMPLES COLLECTED OR OTHER TESTS PERFORMED
0 1 2 3 4 5			**TOPSOIL** 0.0-2.0' SAMPLE. Recovered 1.5/2.0' = 75%. 0.0-0.4': SILTY CLAY: dark yellowish brown (10 YR 4/2). **COLLUVIUM** 0.4-1.5': SILTY CLAY: moderate yellowish brown (10 YR 5/4) to moderate yellow (5 Y 7/6); trace gravel; firm; low plasticity; (cl); damp. 2.0-4.0' SAMPLE. Recovered 1.8/2.0' = 90%. SILTY CLAY: moderate yellowish brown (10 YR 5/4) to dark yellowish orange (10 YR 4/6); trace gravel; coarse to fine-grained sand; iron staining; stiff; low plasticity; (cl); damp. 4.0-6.0' SAMPLE. Recovered 2.0/2.0' = 100%. SILTY CLAY: same as above; some gravel (20%); 4 to 5 cm--rounded to subrounded; stiff; low plasticity; (cl); damp.	HNu Background: 0.0 OVA Background: 0.0 All readings on cuttings, on core, in breathing zone and in augers: 0.0.

SEP2989A

WELL NO. P210089

LOG OF BOREHOLE

DEPTH (FT)	GRAPHIC LOG	SAMPLE TYPE	LITHOLOGIC DESCRIPTION	SAMPLES COLLECTED OR OTHER TESTS PERFORMED
5 6 7 8 9 10 11 12 13			6.0-8.0' SAMPLE. Recovered 1.5/2.0' = 75%. 6.0-7.2': SILTY CLAY: moderate yellowish brown (5 Y 5/6); dusky yellow (5 Y 6/4) to dark yellowish orange (10 YR 6/6); trace gravel; rounded to subangular (2 cm); stiff; low plasticity; (cl); damp. ARAPAHOE/LARAMIE FORMATION 7.2-8.0': SILTY CLAYSTONE: light olive brown (5 Y 5/6); stiff; low plasticity; (cl); damp. 8.0-10.0' SAMPLE. Recovered 2.0/2.0' = 100%. SILTY CLAYSTONE: light olive brown (5 Y 5/6) to dark yellowish orange (10 YR 6/6); calcareous nodules; slight HCl reaction; stiff; low plasticity; damp. 10.0-12.0' SAMPLE. Recovered 2.0/2.0' = 100%. SILTY CLAYSTONE: light olive gray (5 Y 5/2) to dark yellowish orange (10 YR 6/6); stiff to very stiff; low plasticity; damp. 12.0-14.0' SAMPLE. Recovered 2.0/2.0' = 100%. SILTY CLAYSTONE: olive gray (5 Y 4/1) to olive black (5 Y 2/1); fractured; calcareous nodules; iron staining; stiff to very stiff; low plasticity; damp.	

SEP29898

WELL NO. P210089

LOG OF BOREHOLE

DEPTH (FT)	GRAPHIC LOG	SAMPLE TYPE	LITHOLOGIC DESCRIPTION	SAMPLES COLLECTED OR OTHER TESTS PERFORMED
13			14.0-16.0' SAMPLE. Recovered 2.2/2.0' = 110%. SILTY CLAYSTONE: dark yellowish brown (10 YR 4/2) to light brownish gray (5 YR 6/1); fractured; iron staining; stiff; low to no plasticity; damp.	
14			16.0-18.0' SAMPLE. Recovered 2.2/2.0' = 110%. SILTY CLAYSTONE: moderate olive brown (5 Y 4/4) to olive gray (5 Y 4/1); fractured; iron staining; stiff; low plasticity; damp.	
15			18.0-20.0' SAMPLE. Recovered 1.4/2.0' = 70%. 18.0-19.0': SILTY CLAYSTONE: same as above. 19.0-19.4': CLAYEY SILTSTONE: moderate brown (5 YR 3/4) to dark yellowish brown (10 YR 6/6); hard; friable; no plasticity; slightly damp.	
16			20.0-22.0' SAMPLE. Recovered 0.0/2.0' = 0%.	16.38'
17				
18				
19				
20				
21				

SDP2969C

WELL NO. P210089

LOG OF BOREHOLE

DEPTH (FT)	GRAPHIC LOG	SAMPLE TYPE	LITHOLOGIC DESCRIPTION	SAMPLES COLLECTED OR OTHER TESTS PERFORMED
21			Note: 22.0-22.5': Drilled with center bit. No sample recovery.	
			22.5-24.0' SAMPLE. Recovered 1.5/1.5' = 100%. SILTY CLAYSTONE: dark yellowish brown (10 YR 4/2); iron staining; hard; low plasticity; dry.	
22				
			24.0-26.0' SAMPLE. Recovered 2.2/2.0' = 110%. SILTY CLAYSTONE: dark yellowish brown (10 YR 4/2) to light brown (5 YR 5/6) to olive black (5 Y 2/1); calcareous material; slight HCl reaction; trace coarse to fine-grained sand; very stiff; low plasticity; slightly damp.	
23				
			26.0-28.0' SAMPLE. Recovered 2.2/2.0' = 110%. SILTY CLAYSTONE: same as above; olive black (5 Y 2/1); trace coarse to fine-grained sand; hard; low plasticity; strong HCl reaction; dry.	
24			TOTAL DEPTH = 28.0'	
25				
26				
27				
28				
29				

SEP2989D

LOG OF BOREHOLE

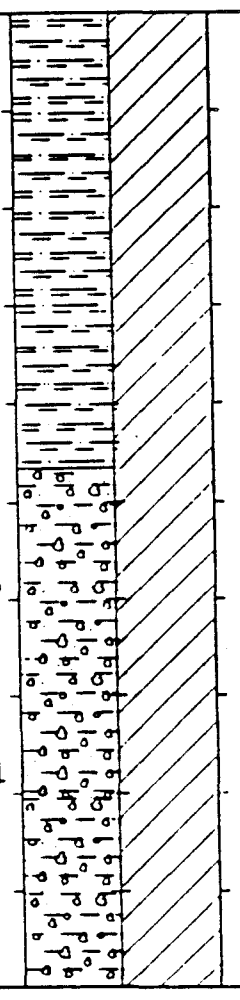
QA BY/DATE J.B. Bergman 11-29-89
LOCATION Rocky Flats Plant; Solar Ponds Area
COORDINATES N38,710.01 E22,016.16 (RFP)
TOTAL DEPTH 28.5'

DRILLING COMPANY Boyles Brothers
DATE DRILLED April 21, 1989
DRILLING METHOD Hollow Stem Auger
LOGGED BY K.E. Miller
GEOLOGIST

BOREHOLE/WELL NO. B210389
GROUND SURFACE ELEVATION 5873.2'
WATER LEVEL ENCOUNTERED 6.5'
STATIC 20.81' (08/30/89)
DRILLER R. Sharp HELPER P. Mesa
DRILLING FLUID None
CHECKED BY J.B. Bergman
SITE MANAGER

CEARP MANAGER

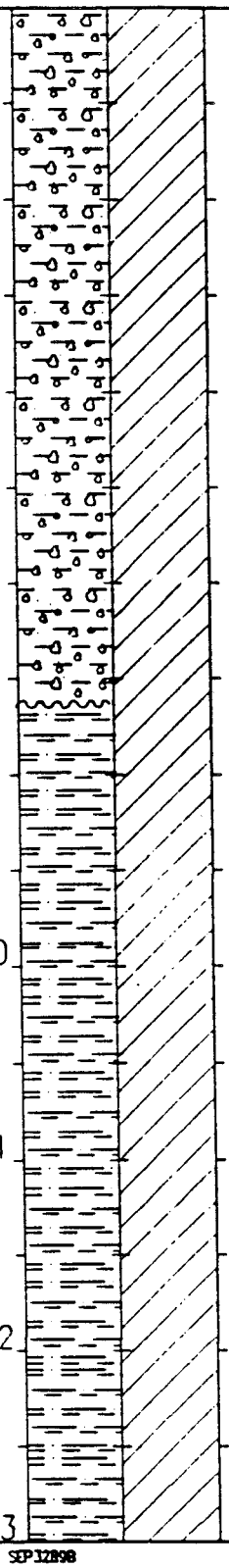
COMMENTS

DEPTH (FT)	GRAPHIC LOG	SAMPLE TYPE	LITHOLOGIC DESCRIPTION	SAMPLES COLLECTED OR OTHER TESTS PERFORMED
0 1 2 3 4 5			**TOPSOIL** 0.0-2.3' SAMPLE. Recovered 2.0/2.3' = 87%. 0.0-0.9': SILTY CLAY: grayish brown (5 YR 3/2); trace organics; trace coarse to fine-grained sand; stiff; non-plastic; (ol); dry. **COLLUVIUM** 0.9-2.3': SILTY CLAY: grayish brown (5 YR 3/2); trace coarse to fine-grained sand; trace coarse to fine gravel; quartzite; firm; non-plastic (cl); dry. 2.3-4.3'SAMPLE. Recovered 2.2/2.2' = 100%. GRAVELLY SANDY CLAY: grayish brown (5 YR 3/2) to olive black (5 Y 2/1); coarse to fine gravel; quartzite; coarse to fine-grained sand; quartz; subrounded; poorly sorted; firm; low plasticity; (cl w/gravel and sand); dry. 4.5-6.5' SAMPLE. Recovered 1.5/2.0' = 75%. 4.5-5.3': GRAVELLY SANDY CLAY: same as above. 5.3-6.5': SANDY CLAYEY GRAVEL: moderate brown (5 YR 4/4); coarse to fine-grained quartz sand; subrounded; coarse to fine quartzite gravel; broken to 4 cm; firm; low to non-plastic; (gc w/sand); dry.	HNu Background: 0.0 OVA Background: 0.0 All readings on cuttings, in breathing zone, on core and in augers: 0.0; unless otherwise noted below.

SEP3289A

WELL NO. B210389

LOG OF BOREHOLE

DEPTH (FT)	GRAPHIC LOG	SAMPLE TYPE	LITHOLOGIC DESCRIPTION	SAMPLES COLLECTED OR OTHER TESTS PERFORMED
5			**6.5-8.5' SAMPLE.** Recovered 1.0/2.0' = 50%. SANDY CLAYEY GRAVEL: same as above; wet.	
6				6.5' **8.5'**: Reading in Auger: OVA: 45
7			**8.5-10.5' SAMPLE.** Recovered 2.2/2.0' = 110%. 8.5-8.6': SANDY CLAYEY GRAVEL: same as above. **ARAPAHOE/LARAMIE FORMATION** 8.6-10.5': SILTY CLAYSTONE: moderate olive brown (5 Y 4/6); consolidated; very stiff; low plasticity; streaks dark yellowish orange (10 YR 6/6); dry.	
8			**10.5-12.5' SAMPLE.** Recovered 2.2/2.0' = 110%. SILTY CLAYSTONE: pale olive (10 Y 6/2); mottles--moderate yellow (5 Y 7/6); consolidated; very stiff; low plasticity; calcareous nodules; HCl reactive; dolomite; dry.	
9			**12.5-14.5' SAMPLE.** Recovered 2.2/2.0' = 110%. SILTY CLAYSTONE: same as above; grading to medium gray (N 5/0); hard; low plasticity.	
10				
11				
12				
13				

SEP32898

WELL NO. B210389

LOG OF BOREHOLE

DEPTH (FT)	GRAPHIC LOG	SAMPLE TYPE	LITHOLOGIC DESCRIPTION	SAMPLES COLLECTED OR OTHER TESTS PERFORMED
13			**14.5-16.5' SAMPLE.** Recovered 2.0/2.0' = 100%. SILTY CLAYSTONE: medium gray (N 5/0) to olive gray (5 Y 4/6); highly carbonaceous; lignite--black (N 1/0); hard; low plasticity; iron stains--dark yellowish orange (10 YR 6/6); dry.	
14			**16.5-18.5' SAMPLE.** Recovered 2.0/2.0' = 100%. SILTY CLAYSTONE: same as above; fractured; medium dark gray (N 4/0); highly carbonaceous; lignite--black (N 1/0).	
15			**18.5-20.5' SAMPLE.** Recovered 2.0/2.0' = 100%. SILTY CLAYSTONE: olive gray (5 Y 4/1); trace carbonaceous; lignite--black (N 1/0); consolidated; very stiff; low plasticity; dry.	
16			**10.5-22.5' SAMPLE.** Recovered 2.0/2.0' = 100%. SILTY CLAYSTONE: same as above; fractured; iron stains--dark yellowish orange (10 YR 6/6).	
17				
18				
19				
20				▼ 20.81'
21				

SEP3289C

WELL NO. B-210389

LOG OF BOREHOLE

DEPTH (FT)	GRAPHIC LOG	SAMPLE TYPE	LITHOLOGIC DESCRIPTION	SAMPLES COLLECTED OR OTHER TESTS PERFORMED
21			**22.5-24.5' SAMPLE.** Recovered 2.0/2.0' = 100%. SILTY CLAYSTONE: same as above. **24.5-26.5' SAMPLE.** Recovered 2.0/2.0' = 100%. SILTY CLAYSTONE: olive gray (5 Y 4/1) to medium dark gray (N 4/0); moderately consolidated; very stiff; low plasticity; iron stains--dark yellowish orange (10 YR 6/6); dry. **26.5-28.5' SAMPLE.** Recovered 2.0/2.0' = 100%. SILTY CLAYSTONE: same as above. **TOTAL DEPTH = 28.5'**	
22				
23				
24				
25				
26				
27				
28				
29				

SEP32890

LOG OF BOREHOLE

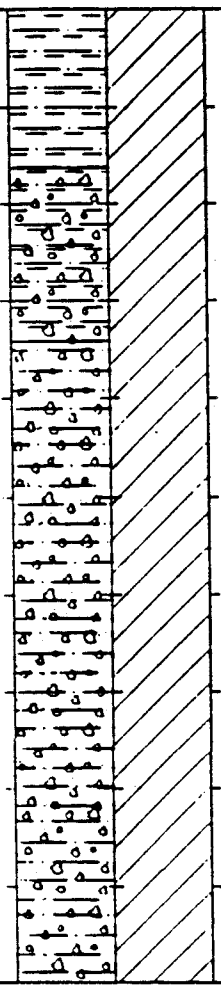
QA BY/DATE J.B. Burman 11-29-89
LOCATION Rocky Flats Plant; Solar Ponds Area
COORDINATES N38,814.87 E22,413.47 (RFP)
TOTAL DEPTH 28.1'

DRILLING COMPANY Boyles Brothers
DATE DRILLED April 20, 1989
DRILLING METHOD Hollow Stem Auger
LOGGED BY K.E. Miller
GEOLOGIST

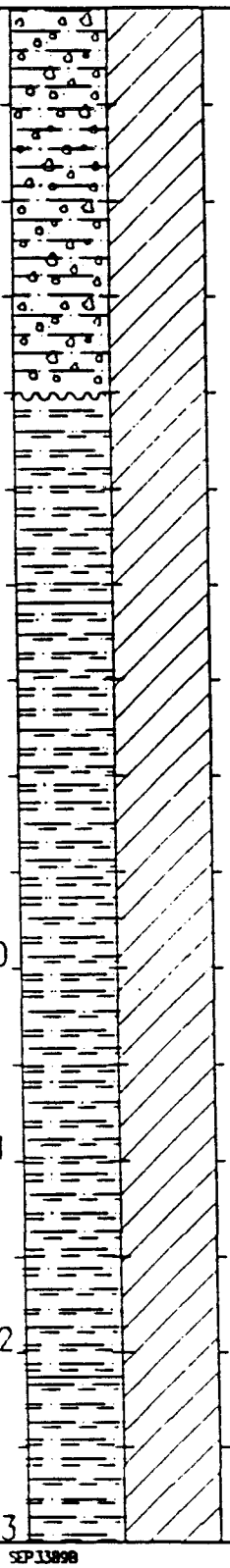
BOREHOLE/WELL NO. B210489
GROUND SURFACE ELEVATION 5856.4'
WATER LEVEL ENCOUNTERED 2.1'
STATIC 4.22' (08/29/89)
DRILLER R. Sharp HELPER P. Mesa
DRILLING FLUID None
CHECKED BY J.B. Burman
SITE MANAGER

CEARP MANAGER

COMMENTS

DEPTH (FT)	GRAPHIC LOG	SAMPLE TYPE	LITHOLOGIC DESCRIPTION	SAMPLES COLLECTED OR OTHER TESTS PERFORMED
0 1 2 3 4 5			**TOPSOIL** 0.0.-2.1' SAMPLE. Recovered 1.7/2.1' = 81%. 0.0-0.7': SILTY CLAY: dusky brown (5 YR 2/2); trace coarse to fine-grained sand; quartz; abundant organics; firm; non-plastic; unconsolidated; (ol); damp. **COLLUVIUM** 0.7-1.7': GRAVELLY SILTY CLAY: dusky brown (5 YR 2/2); some gravel; broken (2 cm); quartzite; some silt; firm; low plasticity; trace coarse to fine-grained sand; (gc with silt and gravel); damp. 2.1-4.1' SAMPLE. Recovered 0.7/2.0' = 35%. SANDY SILTY GRAVEL: moderate brown (5 YR 4/4); trace clay; subrounded quartz sand; subrounded quartzite gravel to 3 cm; loose; no plasticity; (gm-gc); saturated. 4.1-6.1' SAMPLE. Recovered 1.2/2.0' = 60%. SANDY SILTY GRAVEL: same as above; some clay in shoe.	HNU Background: 0.0 OVA Background: 0.0 All readings on cuttings, on core, in breathing zone and in augers: 0.0. ▽ 2.1' ▼ 4.22'

SEP3389A

DEPTH (FT)	GRAPHIC LOG	SAMPLE TYPE	LITHOLOGIC DESCRIPTION	SAMPLES COLLECTED OR OTHER TESTS PERFORMED
5 6 7 8 9 10 11 12 13			6.1-8.1' SAMPLE. Recovered 1.4/2.0' = 70%. 6.1-7.0': SANDY SILTY GRAVEL: same as above. ARAPAHOE/LARAMIE FORMATION 7.0-7.5': SILTY CLAYSTONE: pale olive (10 YR 6/2) to dusky yellow (5 Y 6/4); consolidated; very stiff; low plasticity; damp. 8.1-10.1' SAMPLE. Recovered 2.0/2.0' = 100%. SANDY SILTY CLAYSTONE: pale olive (10 Y 6/2); stains of moderate yellow (5 Y 7/6); very stiff; low plasticity; coarse to fine-grained quartz sand; damp. 10.1-12.1' SAMPLE. Recovered 2.1/2.0' = 105%. SANDY SILTY CLAYSTONE: same as above; calcareous nodules--HCl reactive; less sand. 12.1-14.1' SAMPLE. Recovered 2.2/2.0' = 110%. SILTY CLAYSTONE: olive gray (5 Y 3/2) to medium dark gray (N 4/0); trace coarse to fine-grained sand; quartz; consolidated; stains of dark yellowish orange (10 YR 6/6); very stiff; low plasticity; damp.	

SEP13890

WELL NO. B210489

LOG OF BOREHOLE

DEPTH (FT)	GRAPHIC LOG	SAMPLE TYPE	LITHOLOGIC DESCRIPTION	SAMPLES COLLECTED OR OTHER TESTS PERFORMED
13			<u>14.1-16.1' SAMPLE.</u> Recovered 2.2/2.0' = 110%. SILTY CLAYSTONE: same as above. <u>16.1-18.1' SAMPLE.</u> Recovered 2.2/2.0' = 110%. SILTY CLAYSTONE: medium dark gray (N 4/0); mottles of moderate yellow (5 Y 7/6); consolidated; iron stains; very stiff; low plasticity; dry. <u>18.1-20.1' SAMPLE.</u> Recovered 2.1/2.0' = 105%. SILTY CLAYSTONE: same as above. <u>20.1-22.1' SAMPLE.</u> Recovered 2.1/2.0' = 105%. SILTY CLAYSTONE: same as above.	
14				
15				
16				
17				
18				
19				
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21				

SEP3389C

WELL NO. B210489

LOG OF BOREHOLE

DEPTH (FT)	GRAPHIC LOG	SAMPLE TYPE	LITHOLOGIC DESCRIPTION	SAMPLES COLLECTED OR OTHER TESTS PERFORMED
21			**22.1-24.1' SAMPLE.** Recovered 2.1/2.0' = 105%. SILTY CLAYSTONE: same as above.	
22			**24.1-26.1' SAMPLE.** Recovered 2.0/2.0' = 100%. SILTY CLAYSTONE: medium gray (N 5/0); mottles of moderate yellow (5 Y 7/6); lignite pieces--black (N 1/0); consolidated; very stiff; low plasticity; dry.	
23			**26.1-28.1' SAMPLE.** Recovered 2.1/2.0' = 105%. SILTY CLAYSTONE: grayish black (N 2/0); consolidated; very stiff; low plasticity; stains of dark yellowish orange (10 YR 6/6); trace carbonaceous; lignite pieces--black (N 1/0); dry.	
24			**TOTAL DEPTH 28.1'**	
25				
26				
27				
28				
29				

SEP3389D

LOG OF BOREHOLE

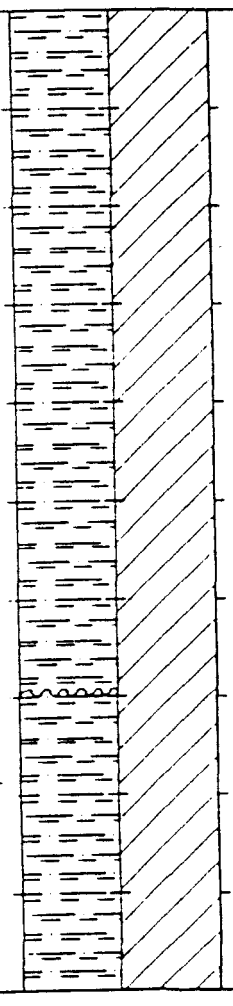
QA BY/DATE J. B. Burman 12-4-89
LOCATION Rocky Flats Plant; Solar Ponds Area
COORDINATES N38,099.65 E22,146.22 (RFP)
TOTAL DEPTH 105.7'

DRILLING COMPANY Boyles Brothers
DATE DRILLED May 9, 1989; June 21-23, 1989
DRILLING METHOD Hollow stem Auger 0.00-41.5; Rotary Core 41.5'-105.7'
LOGGED BY K.E. Miller; H.G. Bienkowski
GEOLOGIST

BOREHOLE/WELL NO. P208889
GROUND SURFACE ELEVATION 5947.30'
WATER LEVEL ENCOUNTERED None
STATIC 87.46' (09/19/89)
DRILLER R. Sharp; P. Bushovski HELPER P. Mesa; H. McCree
DRILLING FLUID None 0.0-41.5'; Water 41.5'-105.7'
CHECKED BY J. B. Burman
SITE MANAGER

CEARP MANAGER

COMMENTS Surface casing set on May 9, 1989, by K.E. Miller to 41.5' below ground surface.

DEPTH (FT)	GRAPHIC LOG	SAMPLE TYPE	LITHOLOGIC DESCRIPTION	SAMPLES COLLECTED OR OTHER TESTS PERFORMED
0 1 2 3 4 5			**ROCKY FLATS ALLUVIUM** 0.0-1.5' SAMPLE. Recovered 1.0/1.5' = 66%. SILTY CLAY: light olive gray (5 Y 6/1); trace coarse to fine-grained sand; quartz; calcareous nodules; HCl reactive; consolidated; stiff; medium plasticity; (cl); damp. 1.5-3.5' SAMPLE. Recovered 2.0/2.0' = 100%. SILTY CLAY: dusky yellow (5 Y 6/4); trace coarse to fine quartzite gravel; subrounded; consolidated; calcareous nodules; HCl reactive; stiff; medium to high plasticity; (cl); damp. **ARAPAHOE/LARAMIE FORMATION** 3.5-5.5' SAMPLE. Recovered 2.0/2.0' = 100%. SILTY CLAYSTONE: light olive gray (5 Y 6/1); mottled grayish orange (10 YR 7/4); consolidated; firm to stiff; high plasticity; abundant caliche; HCl reactive; trace very fine-grained sand; damp.	HNu Background: 0.0 OVA Background: 0.0 All readings on cuttings, in breathing zone, on core, and in augers: 0.0; unless otherwise noted below. TRIP BLANK SAMPLE TB050989 0.0-3.5' SAMPLE SEP1689BR0004 0.0-1.0' SAMPLE (VOAs only) SEP1689BR0002 3.5-5.5' SAMPLE (VOAs only) SEP1689BR0406 3.5-9.5' SAMPLE SEP1689BR0410

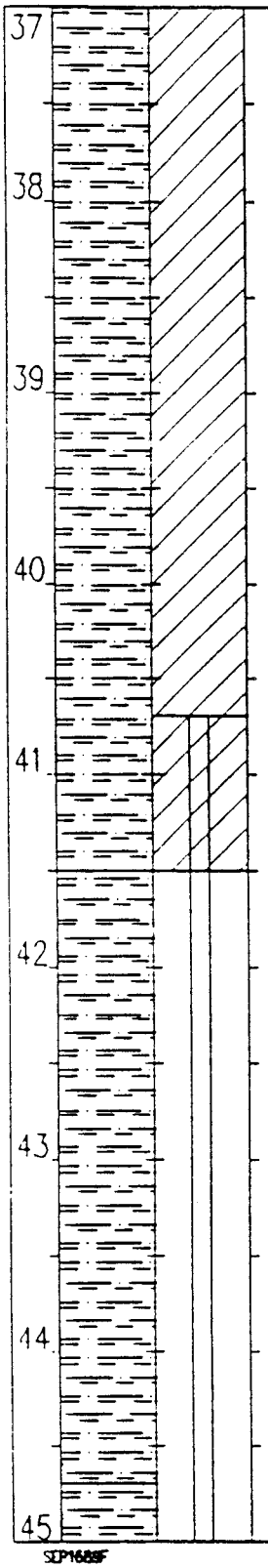
DEPTH (FT)	GRAPHIC LOG	SAMPLE TYPE	LITHOLOGIC DESCRIPTION	SAMPLES COLLECTED OR OTHER TESTS PERFORMED
5			5.5-7.5' SAMPLE. Recovered 2.0/2.0' = 100%. SILTY CLAYSTONE: same as above; some sand; very fine to fine quartz; well graded; subrounded to rounded.	
6			7.5-9.5' SAMPLE. Recovered 2.0/2.0' = 100%. SILTY CLAYSTONE: light olive gray (5 Y 6/1); mottled grayish orange (10 YR 7/4); some very fine to fine-grained sand; small amount calcareous cement; HCl reactive; iron stains--dark yellowish orange (10 YR 6/6); damp.	7.5-9.5' SAMPLE (VOAs only) SEP1689BR0810
7			9.5-11.5' SAMPLE. Recovered 1.0/2.0' = 50%. SILTY CLAYSTONE: same as above.	9.5-15.3' SAMPLE SEP1689BR1016
8			11.5-13.5' SAMPLE. Recovered 2.0/2.0' = 100%. SILTY CLAYSTONE: light olive gray (5 Y 6/1); mottled dark yellowish orange (10 YR 6/6); trace to very fine-grained sand; firm to stiff; low to medium plasticity; consolidated; dry to slightly damp.	11.5-13.5' SAMPLE (VOAs only) SEP1689BR1214 11.5': Reading in Auger: OVA: 1.0
9				
10				
11				
12				
13				

DEPTH (FT)	GRAPHIC LOG	SAMPLE TYPE	LITHOLOGIC DESCRIPTION	SAMPLES COLLECTED OR OTHER TESTS PERFORMED
13			13.5-15.5' SAMPLE. Recovered 1.8/2.0' = 90%. SILTY CLAYSTONE: same as above; more iron-stained fractures and mottling; carbonaceous streaks--black (N 1/0).	13.5': Reading in Auger: OVA: 0.2
14			15.5-17.5' SAMPLE. Recovered 2.0/2.0' = 100%. SILTY CLAYSTONE: dusky yellow (5 Y 6/4) to light olive gray (5 Y 6/1); trace very fine to fine-grained sand in shoe; moderately consolidated; medium plasticity; stiff to hard; dry.	15.5-17.5' SAMPLE (VOAs only) SEP1689BR1618
15			17.5-19.5' SAMPLE. Recovered 1.0/2.0' = 50%. SILTY CLAYSTONE: same as above.	
16			19.5-21.5' SAMPLE. Recovered 2.0/2.0' = 100%. SILTY CLAYSTONE: light olive gray (5 Y 6/1); iron streaks of dark yellowish orange (10 YR 6/6); moderately consolidated; stiff to hard; trace fine to very fine-grained sand; interbedded lenses; non calcareous; carbonaceous streaks--lignite black (N 1/0); damp.	19.5': Reading in Auger: OVA: 0.4
17				
18				
19				
20				
21				

DEPTH (FT)	GRAPHIC LOG	SAMPLE TYPE	LITHOLOGIC DESCRIPTION	SAMPLES COLLECTED OR OTHER TESTS PERFORMED
21 22 23 24 25 26 27 28 29			<u>21.5-23.5' SAMPLE.</u> Recovered 2.0/2.0' = 100%. SILTY CLAYSTONE: same as above. <u>23.5-25.5' SAMPLE.</u> Recovered 2.0/2.0' = 100%. SILTY CLAYSTONE: olive gray (5 Y 4/1); stained grayish orange (10 YR 7/4); consolidated; stiff to hard; medium to high plasticity; few carbonaceous streaks--black (N 1/0); dry. <u>25.5-27.5' SAMPLE.</u> Recovered 1.0/2.0' = 50%. SILTY CLAYSTONE: same as above. <u>27.5-29.5' SAMPLE.</u> Recovered 2.0/2.0' = 100%. SILTY CLAYSTONE: moderate yellowish brown (10 YR 5/4); consolidated; very stiff; low to medium plasticity; damp.	<u>21.5'</u>: Reading in Auger: OVA: 0.6

SEP16890

DEPTH (FT)	GRAPHIC LOG	SAMPLE TYPE	LITHOLOGIC DESCRIPTION	SAMPLES COLLECTED OR OTHER TESTS PERFORMED
29			29.5-31.5' SAMPLE. Recovered 2.0/2.0' = 100%. SILTY CLAYSTONE: same as 27.5-29.5'; grading to light olive gray (5 Y 5/2); consolidated; dry.	
30			31.5-33.5' SAMPLE. Recovered 2.0/2.0' = 100%. SILTY CLAYSTONE: olive gray (5 Y 3/2); less weathered; consolidated; stiff to hard; very platy; medium plasticity; small calcareous nodules; HCl reactive; dry.	31.5': Reading in Auger: OVA: 0.4
31			33.5-35.5' SAMPLE. Recovered 2.0/2.0' = 100%. SILTY CLAYSTONE: same as above; less weathered; base of highly weathered: 33.5'	33.5': Reading in Auger: OVA: 0.2
32			35.5-37.5' SAMPLE. Recovered 2.0/2.0' = 100%. SILTY CLAYSTONE: olive gray (5 Y 4/1) grading to medium dark gray (N 4/0); unweathered at 36.5'; consolidated; hard; low to medium plasticity; dry.	35.5': Reading in Auger: OVA: 0.6
33				
34				
35				
36				
37				

DEPTH (FT)	GRAPHIC LOG	SAMPLE TYPE	LITHOLOGIC DESCRIPTION	SAMPLES COLLECTED OR OTHER TESTS PERFORMED
37 38 39 40 41 42 43 44 45			37.5-38.5' SAMPLE. Recovered 1.0/1.0' = 100%. SILTY CLAYSTONE: same as above. 38.5-40.5' SAMPLE. Recovered 2.0/2.0' = 100%. SILTY CLAYSTONE: same as above; harder; trace very fine to fine-grained sand; platy; small laminations of silt/sand 0.1 cm in thickness; iron-stained material is present. 40.5-41.5' SAMPLE. Recovered 1.0/1.0' = 100%. SILTY CLAYSTONE: same as above. 40.7-44.7' SAMPLE. Recovered 2.9/4.0' = 73%. RQD 2.8/2.9' = 97%. SILTY CLAYSTONE: dark gray (N 3/0); homogeneous; trace very fine-grained, subrounded sand; low plasticity; stiff; no reaction to HCl; damp. 44.7-48.7' SAMPLE. Recovered 4.2/4.0' = 105%. RQD 4.0/4.0' = 100%. CLAYEY SANDY SILTSTONE: dark gray (N 3/0); laminated; trace very fine-grained, well sorted, subrounded sandstone laminae; stiff; no reaction to HCl; damp.	37.5': Reading in Auger: OVA: 0.4 HNu Background: 0.0. OVA Background: 0.0. All readings on cuttings; on core; in breathing zone; and in augers.

SDP168BF

DEPTH (FT)	GRAPHIC LOG	SAMPLE TYPE	LITHOLOGIC DESCRIPTION	SAMPLES COLLECTED OR OTHER TESTS PERFORMED
45			48.7-52.7' SAMPLE. Recovered 4.0/4.0' = 100%. RQD 3.8/4.0' = 95%. CLAYEY SANDY SILTSTONE: same as above. 52.7-56.7' SAMPLE. Recovered 4.0/4.0' = 100%. RQD 3.9/4.0' = 98%. SILTY SANDY CLAYSTONE: dark gray (N 3/0); laminated; with 15° dip; very fine to fine-grained, subrounded to subangular sand; trace very fine-grained, well sorted, subrounded, sandstone laminae; no plasticity; stiff; no reaction to HCl; damp.	
46				
47				
48				
49				
50				
51				
52				
53				

DEPTH (FT)	GRAPHIC LOG	SAMPLE TYPE	LITHOLOGIC DESCRIPTION	SAMPLES COLLECTED OR OTHER TESTS PERFORMED
53			56.7-60.7' SAMPLE. Recovered 4.3/4.0' = 108%. RQD 2.8/4.3' = 65%. SILTY SANDY CLAYSTONE: same as above. 60.7-64.7' SAMPLE. Recovered 3.9/4.0' = 98%. RQD 3.3/3.9' = 85%. SILTY SANDY CLAYSTONE: dark gray (N 3/0) to brownish black (5 YR 2/1) laminated; very fine to fine-grained, subrounded to subangular sand; trace very fine to fine-grained, poorly sorted, subrounded to subangular, silty sandstone laminae; trace to some carbonaceous claystone with coal along laminae; no plasticity; stiff; no reaction to HCl; damp.	
54				
55				
56				
57				
58				
59				
60				
61				

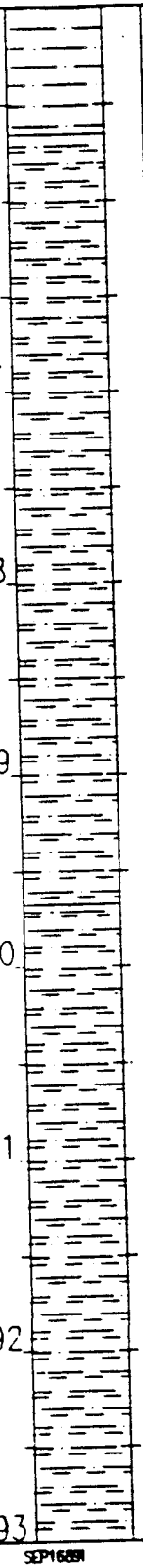
DEPTH (FT)	GRAPHIC LOG	SAMPLE TYPE	LITHOLOGIC DESCRIPTION	SAMPLES COLLECTED OR OTHER TESTS PERFORMED
61			64.7-68.7' SAMPLE. Recovered 2.9/4.0' = 73%. RQD 0.9/2.9' = 31%. SILTY CARBONACEOUS CLAYSTONE: dusky yellowish brown (10 YR 2/2); laminated; trace to some very fine to fine-grained; subrounded sand; no to low plasticity; stiff; no reaction to HCl; damp.	
62			68.7-71.7' SAMPLE. Recovered 2.9/3.0' = 97%. RQD 0.9/2.0' = 31%. CARBONACEOUS CLAYSTONE: dusky yellowish brown (10 YR 2/2); homogeneous; platy; trace silt; trace coal; low plasticity; stiff; no reaction to HCl; moist.	
63				
64				
65				
66				
67				
68				
69				

SEP168

DEPTH (FT)	GRAPHIC LOG	SAMPLE TYPE	LITHOLOGIC DESCRIPTION	SAMPLES COLLECTED OR OTHER TESTS PERFORMED
69			71.7-74.7' SAMPLE. Recovered 2.6/3.0' = 87%. RQD 1.4/2.6' = 54%. 71.7-74.3': CLAYEY LIGNITE: dusky yellowish brown (10 YR 2/2); fissile; waxy in part; grading to carbonaceous claystone; no plasticity; firm; no reaction to HCl; damp.	
70			74.7-77.7' SAMPLE. Recovered 3.5/3.0' = 117%. RQD 2.2/3.5' = 63%. 74.4-77.4': CARBONACEOUS CLAYSTONE: dusky yellowish brown (10 YR 2/2) to dark gray (N 3/0); fissile becoming homogeneous; trace fine-grained, moderately well sorted, subangular; damp. 77.4-77.7': SILTY SANDSTONE: moderate yellowish brown (10 YR 5/4) at 77.4'; firm; no reaction to HCl; damp.	
71				
72				
73				
74				
75				
76				
77				

DEPTH (FT)	GRAPHIC LOG	SAMPLE TYPE	LITHOLOGIC DESCRIPTION	SAMPLES COLLECTED OR OTHER TESTS PERFORMED
77			77.7-81.7' SAMPLE. Recovered 4.1/4.0' = 103%. RQD 0.7/4.1' = 17%. CARBONACEOUS CLAYSTONE AND CLAYEY LIGNITE: dusky yellowish brown (10 YR 2/2) to dark gray (N 3/0); carbonaceous claystone; some silt; low plasticity; firm; grading into clayey lignite. (78.8-80.5'): fissile, firm; sandy siltstone bed. (80.9-81.5'): very fine-grained sand; hard; no reaction to HCl; damp.	
78				
			81.7-85.7' SAMPLE. Recovered 4.2/4.0' = 105%. RQD 4.2/4.2' = 100%. SANDY SILTSTONE: dark gray (N 3/0); laminated; trace natural fractures (50° dip) sealed with organics; very fine-grained sand; trace very fine-grained, silty sandstone laminae; stiff to hard; no reaction to HCl; damp.	
79				
80				
81				
82				
83				
84				
85				

SEP1689K

DEPTH (FT)	GRAPHIC LOG	SAMPLE TYPE	LITHOLOGIC DESCRIPTION	SAMPLES COLLECTED OR OTHER TESTS PERFORMED
85 86 87 88 89 90 91 92 93			**85.7-89.7' SAMPLE.** Recovered 3.9/4.0' = 98%. RQD 1.9/3.9' = 49%. CLAYEY SILTY SANDSTONE AND CLAYEY SANDY SILTSTONE: dark gray (N 3/0); very fine to trace fine-grained, subrounded to rounded, moderately well sorted; silty sandstone grading to clayey sandy sandstone; hard; no reaction to HCl; damp. **89.7-93.7' SAMPLE.** Recovered 4.2/4.0' = 105%. RQD 3.9/4.2' = 93%. CLAYEY SILTY SANDSTONE: moderate dark gray (N 5/0) to dark gray (N 3/0); crossbedded; very fine-grained; moderately well sorted; subrounded; some crossbeds of sandy clayey siltstone; trace crossbeds of silty very fine to fine-grained sandstone; trace organics; hard; no reaction to HCl; damp.	**87.76-96.94'** GEOTECHNICAL SAMPLE HYDROMETER ANALYSIS SEP16898R8796 2% Sand 50% Silt 48% Clay ▼ 87.46'

SEP16898

WELL NO. P208889

LOG OF BOREHOLE

DEPTH (FT)	GRAPHIC LOG	SAMPLE TYPE	LITHOLOGIC DESCRIPTION	SAMPLES COLLECTED OR OTHER TESTS PERFORMED
93			93.7-97.7' SAMPLE. Recovered 4.3/4.0' = 108%. RQD 3.3/4.3' = 77%. CLAYEY SANDY SILTSTONE: dark gray (N 3/0) to brownish black (5 YR 2/1); laminated; very fine to fine-grained, subrounded sand in siltstone; some organics decreasing to trace organics below 94.4'; trace very fine to fine-grained, silty, sandstone laminae; hard; no reaction to HCl; damp to moist.	
94			97.7-101.7' SAMPLE. Recovered 0.6/4.0' = 15%. RQD 0.4/0.6' = 67%. CLAYEY SANDY SILTSTONE: same as above except trace organics.	
95				
96				
97				
98				
99				
100				
101				

SEP1688m

WELL NO. P208889

LOG OF BOREHOLE

DEPTH (FT)	GRAPHIC LOG	SAMPLE TYPE	LITHOLOGIC DESCRIPTION	SAMPLES COLLECTED OR OTHER TESTS PERFORMED
101			101.7-102.2' SAMPLE. Recovered 1.0/0.5' = 200%. RQD 0.6/1.0' = 60%. CLAYSTONE: dark gray (N 3/0) to brownish black (5 YR 2/1); homogeneous; waxy; trace organics; firm; low plasticity; no reaction to HCl; damp.	
102			102.2-103.7' SAMPLE. Recovered 0.0/1.5' = 0%. RQD 0.0/0.0'= 0%.	
103			103.7-105.7' SAMPLE. Recovered 1.4/2.0' = 70%. RQD 0.0/1.4' = 0%. SILTSTONE: dark gray (N 3/0) to brownish black (5 YR 2/1); homogeneous; trace very fine-grained, subrounded interspersed sand; trace organics; firm; no reaction to HCl; moist.	
104			TOTAL DEPTH' = 105.7	
105				
106				
107				
108				
109				

SEP1689n

LOG OF BOREHOLE

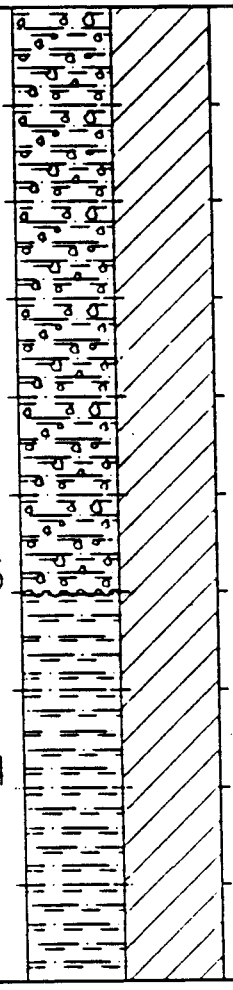
QA BY/DATE J.B. Bryman 11-28-89
LOCATION Rocky Flats Plant; Solar Ponds Area
COORDINATES N38,058.90 E21,736.17 (RFP)
TOTAL DEPTH 28.6'

DRILLING COMPANY Boyles Brothers
DATE DRILLED May 12, 1989
DRILLING METHOD Hollow Stem Auger
LOGGED BY K.E. Miller
GEOLOGIST

BOREHOLE/WELL NO. P208989
GROUND SURFACE ELEVATION 5962.53'
WATER LEVEL ENCOUNTERED 15.4'
STATIC 12.61' (09/28/89)
DRILLER R. Sharp HELPER P. Mesa
DRILLING FLUID None
CHECKED BY J.B. Bryman
SITE MANAGER

CEARP MANAGER

COMMENTS

DEPTH (FT)	GRAPHIC LOG	SAMPLE TYPE	LITHOLOGIC DESCRIPTION	SAMPLES COLLECTED OR OTHER TESTS PERFORMED
0 1 2 3 4 5			**ROCKY FLATS ALLUVIUM** 0.0-2.3' SAMPLE. Recovered 0.3/2.3' = 13%. SILTY CLAYEY GRAVEL: olive black (5 Y 2/1); abundant organics; large quartzite cobble (4 cm); subrounded; loose; non-plastic; (gc); damp. 2.3-4.1' SAMPLE. Recovered 0.0/1.8' = 0%. **ARAPAHOE/LARAMIE FORMATION** Note: 3.0-4.1': Driller felt contact at 3.0'. Lost sample. Drilled 0.5' with center bit. Note: 4.1-4.5': Drilled with center bit. No sample recovery. 4.6-6.6' SAMPLE. Recovered 2.0/2.0' = 100%. SILTY CLAYSTONE: light olive gray (5 Y 6/1); mottled dusky yellow (5 Y 6/4); consolidated; stiff; high plasticity; caliche; high HCl reaction; damp.	HNu Background: 0.0 OVA Background: 0.0 All readings on cuttings, in breathing zones, on core, and in augers: 0.0; unless otherwise noted below. TRIP BLANK SAMPLE TB051289A 0.0-0.3' SAMPLE SEP1789BR0003 0.0-0.3' SAMPLE (VOAs only) SEP1789BR0002 3.0-8.6' SAMPLE SEP1789BR0309 4.6-6.6' SAMPLE (VOAs only) SEP1789BR0406

SEP1789A

WELL NO. P208989

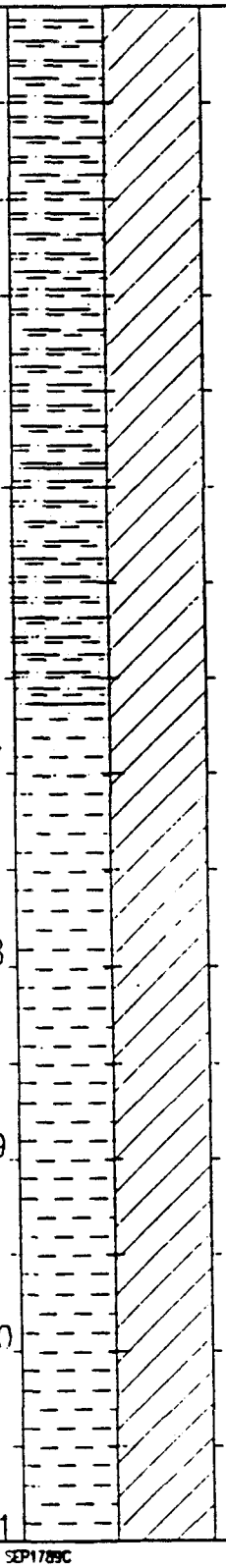
LOG OF BOREHOLE

DEPTH (FT)	GRAPHIC LOG	SAMPLE TYPE	LITHOLOGIC DESCRIPTION	SAMPLES COLLECTED OR OTHER TESTS PERFORMED
5			**6.6-8.6' SAMPLE.** Recovered 2.0/2.0' = 100%. SILTY CLAYSTONE: same as above.	
6			**8.6-10.6' SAMPLE.** Recovered 2.0/2.0' = 100%. SILTY CLAYSTONE: pale olive (10 Y 6/2); iron streaks--moderate yellow (5 Y 7/6); caliche HCl reactive; carbonaceous streaks--black (N 1/0); consolidated; stiff to hard; medium plasticity; dry.	**8.6-14.6'** SAMPLE SEP1789BR0915 **8.6-10.6'** SAMPLE (VOAs only) SEP1789BR0810
7			**10.6-12.6' SAMPLE.** Recovered 2.0/2.0' = 100%. SILTY CLAYSTONE: same as above.	
8			**12.6-14.6' SAMPLE.** Recovered 2.0/2.0' = 100%. SILTY CLAYSTONE: medium light gray (N 6/0); mottled dusky yellow (5 Y 6/4); consolidated; lignite streaks--black (N 1/0); stiff; medium plasticity; caliche; high HCl reaction; damp.	**12.6-14.6'** SAMPLE (VOAs only) SEP1789BR1214 **12.6'**: Reading in Auger: OVA: 8.0
9				
10				
11				
12				▼ 12.61'
13				

SEP1789B

WELL NO. P208989

LOG OF BOREHOLE

DEPTH (FT)	GRAPHIC LOG	SAMPLE TYPE	LITHOLOGIC DESCRIPTION	SAMPLES COLLECTED OR OTHER TESTS PERFORMED
13 14 15 16 17 18 19 20 21			**14.6-16.6' SAMPLE.** Recovered 2.0/2.0' = 100%. 14.6-15.4': SILTY CLAYSTONE: same as above. 15.4-16.6': SANDY SILTY CLAYSTONE: yellowish gray (5 Y 7/2); mottled dusky yellow (5 Y 6/4); consolidated; interbedded very fine to fine-grained sand; lenses to 1 cm in thickness; consolidated; stiff; medium plasticity; damp. **16.6-18.6' SAMPLE** Recovered 2.0/2.0' = 100%. SANDY CLAYSTONE: dusky yellow (5 Y 6/4); mottled dark yellowish orange (10 YR 6/6); well graded; very fine to fine-grained sand; quartz; non-calcareous; consolidated; firm to stiff; medium plasticity; moist. **18.6-20.6' SAMPLE.** Recovered 2.0/2.0' = 100%. SANDY CLAYSTONE: same as above. **20.6-22.6' SAMPLE.** Recovered 2.0/2.0' = 100%. SANDY CLAYSTONE: yellowish gray (5 Y 7/2) to dusky yellow (5 Y 6/4); interbedded; very fine to fine-grained sand lenses; iron stains--dark yellowish orange (10 YR 6/6); consolidated; stiff; low plasticity; damp.	**14.6'**: Reading in Auger: OVA: 25.0 **16.6-18.6' SAMPLE** (VOAs only) SEP1789BR1618 **16.6'**: Reading in Auger: OVA: 39.0 **18.6'**: Reading in Auger: OVA: 45.0 15.4'

SEP1789C

WELL NO. P208989

LOG OF BOREHOLE

DEPTH (FT)	GRAPHIC LOG	SAMPLE TYPE	LITHOLOGIC DESCRIPTION	SAMPLES COLLECTED OR OTHER TESTS PERFORMED
21			**22.6-24.6' SAMPLE.** Recovered 2.0/2.0' = 100%. SANDY CLAYSTONE: same as above; lignite pieces--black (N 1/0); less sand towards lower portion.	
22			**24.6-26.6' SAMPLE.** Recovered 2.0/2.0' = 100%. SILTY CLAYSTONE: dusky yellow (5 Y 6/4); iron stains--dark yellowish orange (10 YR 6/6); moderately consolidated; stiff; low to medium plasticity; small caliche fragments; high HCl reaction; dry.	24.6': Reading in Auger: OVA: 0.6
23			**26.6-28.6' SAMPLE.** Recovered 1.1/2.0' = 55%. SILTY CLAYSTONE: same as above.	
24			**TOTAL DEPTH = 28.6'**	
25				
26				
27				
28				
29				

SEP17890

LOG OF BOREHOLE

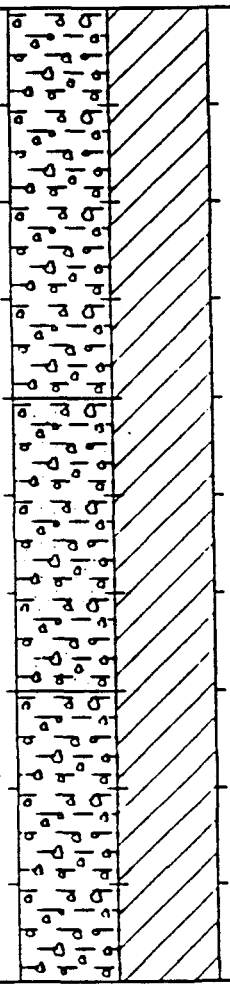
QA BY/DATE J.B. Burman 11-28-89
LOCATION Rocky Flats Plant; Solar Ponds Area
COORDINATES N37,580.29 E21,806.82 (RFP)
TOTAL DEPTH 31.5'

DRILLING COMPANY Boyles Brothers
DATE DRILLED May 17, 1989
DRILLING METHOD Hollow Stem Auger
LOGGED BY K.E. Miller
GEOLOGIST

BOREHOLE/WELL NO. P209089
GROUND SURFACE ELEVATION 5972.16'
WATER LEVEL ENCOUNTERED None
STATIC 22.70' (09/26/89)
DRILLER R. Sharp HELPER R. Orr
DRILLING FLUID None
CHECKED BY J.B. Burman
SITE MANAGER

CEARP MANAGER

COMMENTS

DEPTH (FT)	GRAPHIC LOG	SAMPLE TYPE	LITHOLOGIC DESCRIPTION	SAMPLES COLLECTED OR OTHER TESTS PERFORMED
0 1 2 3 4 5			**ROCKY FLATS ALLUVIUM** 0.0-1.5' SAMPLE. Recovered 1.5/1.5' = 100%. GRAVELLY CLAY: moderate yellowish brown (10 YR 5/4); coarse to fine gravel; quartzite; subrounded to broken, to 3 cm; trace coarse to fine-grained sand; firm to loose; lower portion more sandy; low plasticity; (cl); damp. 1.5-3.5' SAMPLE. Recovered 1.7/2.0' = 85%. 1.5-2.0': GRAVELLY CLAY: same as above. 2.0-3.2': CLAYEY SANDY GRAVEL: very pale orange (10 YR 8/2); large quartzite cobbles; broken, to 3 cm; trace coarse to fine-grained sand; loose to firm; no to low plasticity; (gc); damp to dry. 3.5-5.5' SAMPLE. Recovered 1.7/2.0' = 85%. GRAVELLY CLAY: moderate yellowish brown (10 YR 5/4); trace coarse to fine-grained sand; quartzite gravel to 3 cm; broken; caliche; HCl reactive; iron-stains--dark yellowish orange (10 YR 6/6); firm; low plasticity; (cl); damp.	HNu Background: 0.0 OVA Background: 0.0 All readings on cuttings, in breathing zone, on core, and in augers: 0.0; unless otherwise noted below. TRIP BLANK SAMPLE TB051789A 0.0-3.2' SAMPLE SEP1889BR0003 0.0-1.5' SAMPLE (VOAs only) SEP1889BR0002 SEP1889BR0002D 0.0':Reading in Auger: OVA: 3.0 3.5-8.6' SAMPLE SEP1889BR0309 3.5-5.2' SAMPLE (VOAs only) SEP1889BR0406 3.5': Reading in Auger: OVA: 3.0

SEP1889A

WELL NO. P209089

LOG OF BOREHOLE

DEPTH (FT)	GRAPHIC LOG	SAMPLE TYPE	LITHOLOGIC DESCRIPTION	SAMPLES COLLECTED OR OTHER TESTS PERFORMED
5			**5.5-7.5' SAMPLE.** Recovered 1.0/2.0' = 50%. SANDY CLAYEY GRAVEL: very pale orange (10 YR 8/2); poorly sorted; coarse to fine-grained sand; coarse to fine quartzite gravel; broken, to 4 cm; small amount caliche; HCl reactive; loose to firm; no to low plasticity; (gc); damp.	
6			**7.5-9.5' SAMPLE.** Recovered 1.1/2.0' = 55%. SANDY CLAYEY GRAVEL: same as above.	**7.5-8.6'** SAMPLE (VOAs only) SEP1889BR0810
7			**9.5-11.5' SAMPLE.** Recovered 1.2/2.0' = 60%. SANDY CLAYEY GRAVEL: same as above. **ARAPAHOE/LARAMIE FORMATION**	
8			**11.5-13.5' SAMPLE.** Recovered 2.0/2.0' = 100%. SILTY CLAYSTONE: yellowish gray (5 Y 7/2); mottled dark yellowish orange (10 YR 6/6); caliche nodules; HCl reactive; consolidated; stiff; high plasticity; some carbonaceous streaks; black (N 1/0); damp.	FIELD BLANK SAMPLE SEP1889BR0018FB **11.5-17.5'** SAMPLE SEP1889BR1218 SEP1889BR1218D **11.5-13.5'** SAMPLE (VOAS only) SEP1889BR1214
9				
10				
11				
12				
13				

WELL NO. P209089

LOG OF BOREHOLE

DEPTH (FT)	GRAPHIC LOG	SAMPLE TYPE	LITHOLOGIC DESCRIPTION	SAMPLES COLLECTED OR OTHER TESTS PERFORMED
13			13.5-15.5' SAMPLE. Recovered 2.0/2.0' = 100%. SILTY CLAYSTONE: same as above.	
14			15.5-17.5' SAMPLE. Recovered 2.0/2.0' = 100%. SILTY CLAYSTONE: light olive gray (5 Y 5/2); some iron-stains--dark yellowish orange (10 YR 6/6); caliche nodules; HCl reactive; stiff to hard; medium plasticity; consolidated; dry.	15.5-17.5' SAMPLE (VOAs only) SEP1889BR1618
15			17.5-19.5' SAMPLE. Recovered 2.0/2.0' = 100%. SILTY CLAYSTONE: same as above; grading to brownish gray (5 YR 4/1); more carbonaceous pieces; black (N 1/0); dry.	17.5-23.5' SAMPLE SEP1889BR1824
16			19.5-21.5' SAMPLE. Recovered 2.0/2.0' = 100%. SILTY CLAYSTONE: medium gray (N 5/0) to dusky yellow (5 Y 6/4); abundant iron-stains--dark yellowish orange (10 YR 6/6); consolidated; medium to high plasticity; firm to stiff; small amount lignite pieces; black (N 1/0); dry.	19.5-21.5' SAMPLE SEP1889BR2022 19.5': Reading in Auger: OVA: 1.0
17				
18				
19				
20				
21				

SEP1889C

WELL NO. P209089

LOG OF BOREHOLE

DEPTH (FT)	GRAPHIC LOG	SAMPLE TYPE	LITHOLOGIC DESCRIPTION	SAMPLES COLLECTED OR OTHER TESTS PERFORMED
21 22 23 24 25 26 27 28 29			21.5-23.5' SAMPLE. Recovered 2.0/2.0' = 100%. SILTY CLAYSTONE: same as above. 23.5-25.5' SAMPLE. Recovered 2.0/2.0' = 100%. SILTY CLAYSTONE: dusky yellow (5 Y 6/4) to medium gray (N 5/0); moderately consolidated; stiff to hard; interbedded lense (2 cm) of very fine to fine-grained sand; medium plasticity; dry. 25.5-27.5' SAMPLE. Recovered 2.0/2.0' = 100%. SILTY CLAYSTONE: same as above; trace very fine to fine-grained sand; interbedded; small amount carbonaceous material; streaked black (N 1/0). 27.5-29.5' SAMPLE. Recovered 2.0/2.0' = 100%. SILTY CLAYSTONE: medium gray (N 5/0) to grayish orange (10 YR 7/4); some sand; very fine to fine-grained; interbedded; no to low plasticity; very stiff; consolidated; dry.	21.5': Reading in Auger: OVA: 4.0 23.5-25.5' SAMPLE (VOAS only) SEP1889BR2426 22.70'

SEP1889D

WELL NO. P209089

LOG OF BOREHOLE

DEPTH (FT)	GRAPHIC LOG	SAMPLE TYPE	LITHOLOGIC DESCRIPTION	SAMPLES COLLECTED OR OTHER TESTS PERFORMED
29			29.5-31.5' SAMPLE. Recovered 2.0/2.0' = 100%. SILTY CLAYSTONE: Same as above.	
30			TOTAL DEPTH = 31.5'	
31				
32				
33				
34				
35				
36				
37				

SEP1888E

LOG OF BOREHOLE

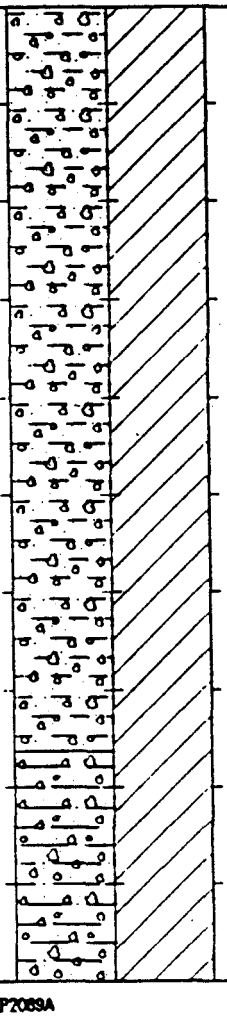
QA BY/DATE J.B. Berman 11-28-89
LOCATION Rocky Flats Plant; Solar Ponds Area
COORDINATES N37,880.23 E21,036.04 (RFP)
TOTAL DEPTH 17.8'

DRILLING COMPANY Boyles Brothers
DATE DRILLED June 8, 1989
DRILLING METHOD Hollow Stem Auger
LOGGED BY K.E. Miller
GEOLOGIST

BOREHOLE/WELL NO. P209289
GROUND SURFACE ELEVATION 5981.59'
WATER LEVEL ENCOUNTERED None
STATIC None (09/25/89)
DRILLER R. Sharp HELPER P. Mesa
DRILLING FLUID None
CHECKED BY J.B. Berman
SITE MANAGER

CEARP MANAGER

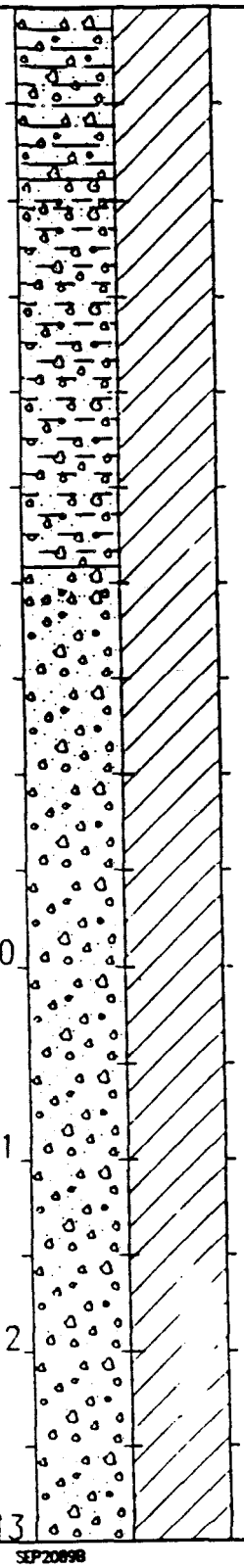
COMMENTS

DEPTH (FT)	GRAPHIC LOG	SAMPLE TYPE	LITHOLOGIC DESCRIPTION	SAMPLES COLLECTED OR OTHER TESTS PERFORMED
0 1 2 3 4 5			**ROCKY FLATS ALLUVIUM** 0.0-1.8' SAMPLE. Recovered 1.2/1.8' = 67%. CLAYEY SANDY GRAVEL: moderately yellowish brown (10 YR 5/4); (20%) coarse to fine-grained sand; quartzose; subrounded; trace silt; coarse to fine quartzite gravel; broken; subangular; to 2 cm; loose; non-plastic; (cg-gm); damp. 1.8-3.8' SAMPLE. Recovered 2.0/2.0' = 100%. GRAVELLY SANDY CLAY: moderate brown (5 YR 4/4); 20% gravel; coarse to medium quartzite gravel; subangular to subrounded; poor sorting; loose to stiff; low plasticity; (cl); damp. 3.8-5.8' SAMPLE. Recovered 2.0/2.0' = 100%. SANDY SILTY GRAVEL: moderate yellowish brown (10 YR 5/4) to light brown (5 YR 6/4); 20% coarse to medium-grained sand; some fines; quartz--subrounded to subangular; 20% silt; some clay; loose to firm; non-plastic; coarse to medium quartzite gravel; large piece to 5 cm; broken (gm); damp to dry.	HNu Background: 0.0 OVA Background: 0.0 All readings on cuttings, in breathing zone, on core, and in augers: 0.0; unless otherwise noted below. TRIP BLANK SAMPLE TB060889A 0.0-1.2' SAMPLE (VOAs only) SEP20890002 0.0-3.0' SAMPLE SEP20890003 0.0': Reading in Auger: OVA: 6.0 1.8': Reading in Auger: OVA: 22.0 3.0-9.2' SAMPLE SEP20890309

SEP2089A

WELL NO. P209289

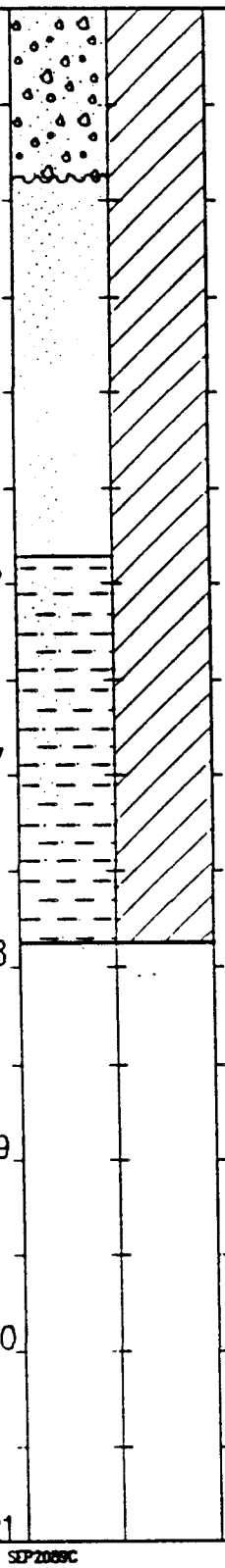
LOG OF BOREHOLE

DEPTH (FT)	GRAPHIC LOG	SAMPLE TYPE	LITHOLOGIC DESCRIPTION	SAMPLES COLLECTED OR OTHER TESTS PERFORMED
5 6 7 8 9 10 11 12 13			5.8-7.8' SAMPLE. Recovered 1.7/2.0' = 85%. CLAYEY SANDY GRAVEL: moderate yellowish brown (10 YR 5/4); trace silt; 20-25% clay; 20% coarse to fine-grained sand; small piece of fine-grained rose quartz; coarse to medium quartzite gravel; subrounded; broken; 4 cm; loose to firm; non to low plasticity; (gc-gm); damp. 7.8-9.8' SAMPLE. Recovered 1.4/2.0' = 70%. SANDY GRAVEL: moderately yellowish brown (10 YR 5/4); some clay; 20-25% coarse to fine-grained sand; (1.0-2.0 phi); quartzose; some k-feldspar; coarse to medium quartzite gravel; subangular to subrounded to 3 cm; loose; non-plastic; (gc-cm); damp. 9.8-11.8' SAMPLE. Recovered 1.5/2.0' = 75%. SANDY GRAVEL: same a above; more clay; more consolidated sample wide; less gravel; more coarse-grained sand. 11.8-13.8' SAMPLE. Recovered 0.4/2.0' = 20%. 11.8-12.2': SANDY GRAVEL: same as above. ARAPAHOE/LARAMIE FORMATION Note: Bedrock contact inferred from driling behavior and cuttings. 12.2-13.8': SANDY CLAYSTONE: dusky yellow (5 Y 6/4); bands of yellowish gray (5 Y 7/2); very fine to fine-grained sand (3.5-2.5 phi); quartzose; rounded to subrounded; small laminations; consolidated; stiff; medium to high plasticity; damp.	5.8': Reading in Auger: OVA 15.0 3.0-5.8' SAMPLE (VOAs only) SEP20890406 7.8-9.2' SAMPLE (VOAs only) SEP20890810 9.2-12.2' SAMPLE SEP20890912 11.8-12.2' SAMPLE (VOAs only) SEP20891214 13.8-17.8' SAMPLE SEP20891418

SEP20898

WELL NO. P209289

LOG OF BOREHOLE

DEPTH (FT)	GRAPHIC LOG	SAMPLE TYPE	LITHOLOGIC DESCRIPTION	SAMPLES COLLECTED OR OTHER TESTS PERFORMED
13			13.8-15.8' SAMPLE. Recovered 2.0/2.0' = 100%. SANDSTONE: dark yellowish orange (10 YR 6/6); banding of yellowish gray (5 Y 7/2); trace to 15% fines (clay and silt); laminations 1-2 mm thick; iron nodules in lower portion; hard; some lignite--black (N 1/0); very loose to firm; non to very low plasticity; moderately consolidated; damp to moist. 15.8-17.8' SAMPLE. Recovered 2.0/2.0' = 100%. CLAYSTONE AND SANDSTONE: dark yellowish orange (10 YR 6/6) to pale olive (10 Y 6/2); banded with small sandstone laminations of very fine to fine-grained quartz; subrounded to rounded; consolidated; low to medium plasticity; lignite pieces; glazed; black (N 1/0); laminations of 2-3 mm noted in middle to lower portion of core; sample firm to stiff; moist. TOTAL DEPTH = 17.8'	15.8-17.8' SAMPLE (VOAs only) SEP20891618 15.8': Reading in Auger: OVA: 20.0
14				
15				
16				
17				
18				
19				
20				
21				

SEP2089C

LOG OF BOREHOLE

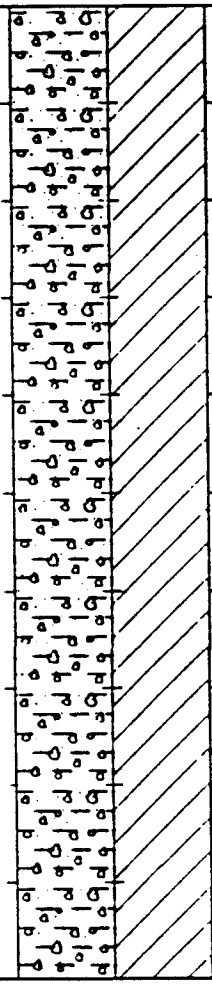
QA BY/DATE J.B. Burman/11-29-89
LOCATION Rocky Flats Plant; Solar Ponds Area
COORDINATES N37,881.34 E21,026.45 (RFP)
TOTAL DEPTH 34.2'

DRILLING COMPANY Boyles Brothers
DATE DRILLED June 7, 1989
DRILLING METHOD Hollow Stem Auger
LOGGED BY R.A. Chapuis
GEOLOGIST

BOREHOLE/WELL NO. P209389
GROUND SURFACE ELEVATION 5981.47'
WATER LEVEL ENCOUNTERED None
STATIC 15.24' (09/18/89)
DRILLER R. Sharp HELPER P. Mesa
DRILLING FLUID None
CHECKED BY J.B. Burman
SITE MANAGER

CEARP MANAGER

COMMENTS

DEPTH (FT)	GRAPHIC LOG	SAMPLE TYPE	LITHOLOGIC DESCRIPTION	SAMPLES COLLECTED OR OTHER TESTS PERFORMED
0			**ARTIFICIAL FILL** 0.0-2.2': SAMPLE. Recovered 1.7/2.0' = 85%. SANDY CLAY AND GRAVEL: moderate brown (5 YR 4/4); (60%) gravel; poorly sorted; subrounded to angular; maximum size 6cm; (25%) non to medium plastic fines; (15%) fine to coarse-grained sand; poorly sorted; subrounded; quartzose; stiff; weakly consolidated; (cl-gp); damp.	HNU Background: 0.0 OVA Background: 0.0 All readings on cuttings, in breathing zone on core, and in augers: 0.0; unless otherwise noted below. TRIP BLANK SAMPLE TB060789A
1				
2			**ROCKY FLATS ALLUVIUM** 2.2-4.2' SAMPLE. Recovered 1.6/2.0' = 80%. SANDY CLAY AND GRAVEL: same as above.	0.0-3.0' SAMPLE SEP2189BR0003
3			4.2-6.2'SAMPLE. Recovered 1.6/2.0' = 80%. CLAYEY SAND AND GRAVEL: moderate brown (5 YR 4/4) to grayish orange pink (5 YR 7/2); (60%) gravel; poorly sorted; subrounded to angular; (30%) fine to coarse-grained sand; poorly sorted; subangular to subrounded; quartzose; (10%) non to low plastic fines; (gp-sd); damp.	0.0-1.7' SAMPLE (VOA's only) SEP2189BR0002 4.2-5.8' SAMPLE (VOA's only) SEP2189BR0406 3.0-9.0' SAMPLE SEP2189BR0309
4				
5				

SEP2189A

WELL NO. P209389

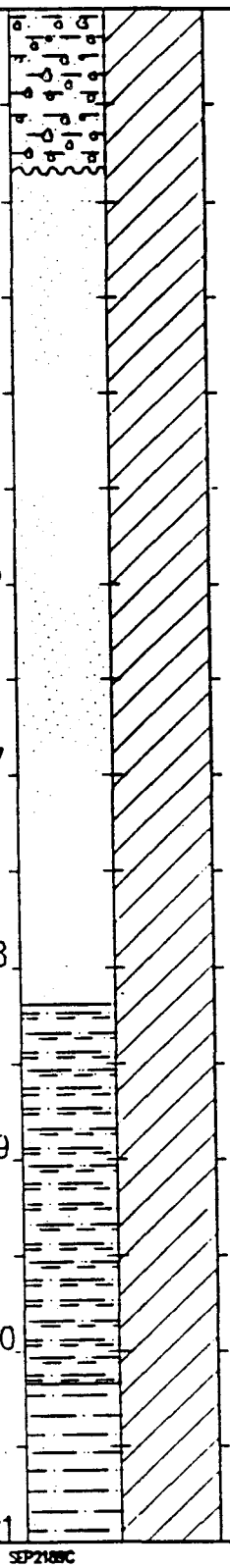
LOG OF BOREHOLE

DEPTH (FT)	GRAPHIC LOG	SAMPLE TYPE	LITHOLOGIC DESCRIPTION	SAMPLES COLLECTED OR OTHER TESTS PERFORMED
5 6 7 8 9 10 11 12 13			**6.2-8.2' SAMPLE.** Recovered 1.3/2.0' = 65%. CLAYEY SAND AND GRAVEL: same as above. **8.2-10.0' SAMPLE.** Recovered 1.6/1.8' = 89%. CLAYEY SAND AND GRAVEL: same as above; occasional iron stained layers; one rose quartz layer 3cm thick. **10.0-12.2' SAMPLE.** Recovered 1.8/2.2' = 82%. CLAYEY SAND AND GRAVEL: moderate brown (5 YR 4/4) to light brown (5 YR 6/4); (40%) gravel; poorly sorted; subangular to subrounded; quartzose; (40%) fine to coarse-grained sand; poorly sorted; subangular; quartzose; (20%) non to medium plastic fines; soft; moldable; normal to weakly consolidated; (gp-sp); damp. **12.2-14.2'SAMPLE.** Recovered 0.0/2.0' = 0%. Note: 13.7-14.2': Drilled with center bit. Estimate contact alluvium and Arapahoe/Laramie Formation at 13.8' based on drilling behavior.	**8.2-9.8'** SAMPLE (VOA's only) SEP2189BR0810 **9.0-11.8'** SAMPLE SEP2189BR0912

SEP2189B

WELL NO. P209389

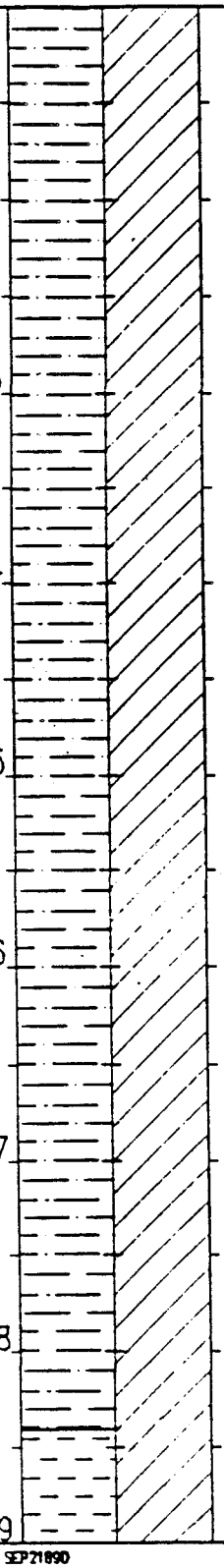
LOG OF BOREHOLE

DEPTH (FT)	GRAPHIC LOG	SAMPLE TYPE	LITHOLOGIC DESCRIPTION	SAMPLES COLLECTED OR OTHER TESTS PERFORMED
13 14 15 16 17 18 19 20 21			**ARAPAHOE/LARAMIE FORMATION** 14.2-16.2' SAMPLE. Recovered 2.0/2.0' = 100%. SANDSTONE: dark yellowish grey (10 YR 6/6) to yellowish grey (5 Y 7/2); (75%) fine-grained sand; well sorted; subangular to angular; quartzose; (25%) non to medium plastic fines; more clay in lower 1.5'; soft; unconsolidated to weakly consolidated; interbedded sand 0.5' thick; occasional lignite towards bottom; damp. 16.2-18.2' SAMPLE. Recovered 0.9/2.0' = 45%. SANDSTONE: same as 14.2-16.2'; increasing clay with depth. 18.2-20.2' SAMPLE. Recovered 2.0/2.0' = 100%. SILTY CLAYEY SANDSTONE: light brown (5 YR 5/6) to yellowish grey (5 Y 7/2); (65%) fine-grained sand; well sorted; subangular to subrounded; quartzose; (25%) non to medium plastic fines; soft; laminated iron stains; moldable; damp. 20.2-22.2' SAMPLE. SILTY SANDSTONE: light brown (5 YR 5/6) to yellowish grey (5 Y 7/2); (85%) very fine-grained to medium grained sand; well sorted; subangular; quartzose; (15%) normal to low plastic fines; iron stains; speckled; soft to firm; weakly consolidated; dry.	14.2-16.2' SAMPLE (VOA's only) SEP2189BR1416 14.2-20.2' SAMPLE SEP2189BR1420 15.24' 18.2-20.2' SAMPLE (VOA's only) SEP2189BR1820

SEP2189C

WELL NO. P209389

LOG OF BOREHOLE

DEPTH (FT)	GRAPHIC LOG	SAMPLE TYPE	LITHOLOGIC DESCRIPTION	SAMPLES COLLECTED OR OTHER TESTS PERFORMED
21 22 23 24 25 26 27 28 29			<u>22.2-24.2' SAMPLE.</u> Recovered 2.0/2.0' = 100%. SILTY SANDSTONE: light brown (5 YR 5/6) to pale yellowish brown (10 YR 6/2); (85%) fine to medium-grained sand; well sorted; subangular to subrounded; quartzose; (15%) non to low plastic fines; soft to firm; iron staining; weakly consolidated; damp. <u>24.2-26.2' SAMPLE.</u> Recovered 2.0/2.0' = 100%. SILTY SANDSTONE: same as above; occasional lignite; black (N 1/0). <u>26.2-28.2' SAMPLE.</u> Recovered 2.0/2.0 = 100%. SILTY SANDSTONE: same as above; slightly moist. <u>28.2.-30.2' SAMPLE.</u> Recovered 1.5/2.0' = 75%. 28.2-28.4': SILTY SANDSTONE: same as above. 28.4-30.2': CLAYSTONE: pale brown (5 YR 3/2); (100%) low to medium plastic; stiff to hard; crumbly in part; dry.	<u>22.2-24.2'</u> SAMPLE (VOA's only) SEP2189BR2224 SEP2189BR2224D <u>20.2-26.2'</u> SAMPLE SEP2189BR2026 SEP2189BR2026D <u>FIELD BLANK</u> SAMPLE SEP2189BR0034FB

SEP2189D

WELL NO. P209389

LOG OF BOREHOLE

DEPTH (FT)	GRAPHIC LOG	SAMPLE TYPE	LITHOLOGIC DESCRIPTION	SAMPLES COLLECTED OR OTHER TESTS PERFORMED
29			**30.2-32.2' SAMPLE.** Recovered 1.6/2.0' = 80%. CLAYSTONE: same as above; grayish brown (5 YR 3/2) to dusky yellowish brown (10 YR 2/2); occasional lignite.	
30			**32.2-34.2' SAMPLE.** Recovered 1.7/2.0' = 85%. CLAYSTONE: same as above; medium gray (N 5/6); lignitic; siltier in part.	
31			**TOTAL DEPTH = 34.2'**	
32				
33				
34				
35				
36				
37				

SEP218SE

LOG OF BOREHOLE

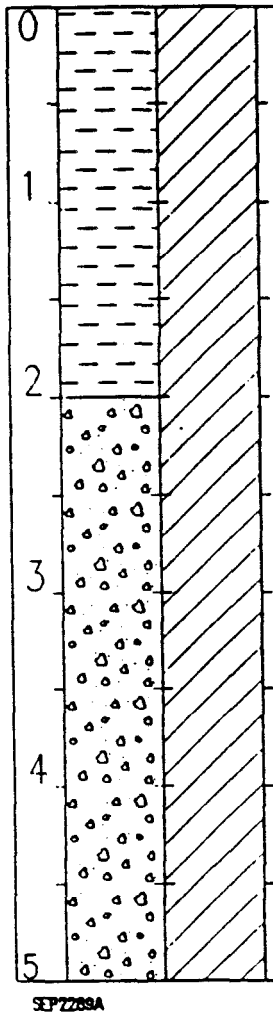
QA BY/DATE J.B. Burman 12-4-89
LOCATION Rocky Flats Plant; Solar Ponds Area
COORDINATES N38,007.03 E21,531.26 (RFP)
TOTAL DEPTH 48.0'

DRILLING COMPANY Boyles Brothers
DATE DRILLED May 16, 1989
DRILLING METHOD Hollow Stem Auger
LOGGED BY J.B. Bergman
GEOLOGIST

BOREHOLE/WELL NO. P209489
GROUND SURFACE ELEVATION 5977.98'
WATER LEVEL ENCOUNTERED 25.0'
STATIC 26.43' (09/20/89)
DRILLER R. Sharp HELPER P. Mesa
DRILLING FLUID None
CHECKED BY J.B. Burman
SITE MANAGER

CEARP MANAGER

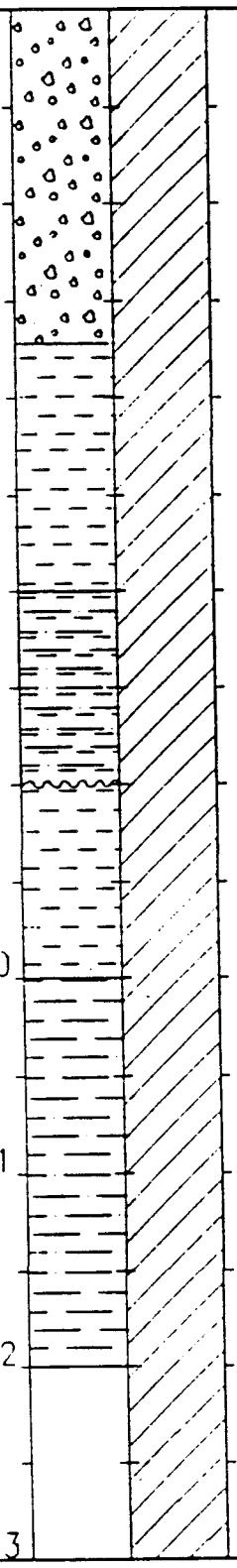
COMMENTS

DEPTH (FT)	GRAPHIC LOG	SAMPLE TYPE	LITHOLOGIC DESCRIPTION	SAMPLES COLLECTED OR OTHER TESTS PERFORMED
0 1 2 3 4 5			**TOPSOIL** 0.0-2.0' SAMPLE. Recovered 1.2/2.0' = 60%. CLAY: brownish gray (5 YR 4/1); organic rich fragments--black (N 1/0); granite and quartzite pebbles to 0.2 cm; angular; some quartzose sand; some silt; (ol); soft. **ROCKY FLATS ALLUVIUM** 2.0-4.0' SAMPLE. Recovered 2.0/2.0' = 100%. SAND AND GRAVEL: brownish black (5 YR 2/1); quartzite and granite gravels to 2 cm; angular; (15%) silty clay; no plasticity; unconsolidated; loose; (sm-sp); damp. 4.0-6.0' SAMPLE. Recovered 1.2/2.0' = 60%. SAND AND GRAVEL: same as above; (sm-sp).	HNu Background: 0.0 OVA Background: 0.0 All readings on cuttings, in breathing zone, on core, and in augers: 0.0; unless otherwise noted below. TRIP BLANK SAMPLE TB051689 0.0-2.0': Reading on Core: OVA: 0.2 0.0-1.2' SAMPLE (VOAs only) SEP2289BR0002 0.0-3.0' SAMPLE SEP2289BR0003 2.0': Reading in Auger: OVA: 2 3.0-7.4' SAMPLE SEP2289BR0307 4.0-5.2' SAMPLE (VOAs only) SEP2289BR0406 4.0': Reading in Auger: OVA: 0.2

SEP2289A

WELL NO. P209489

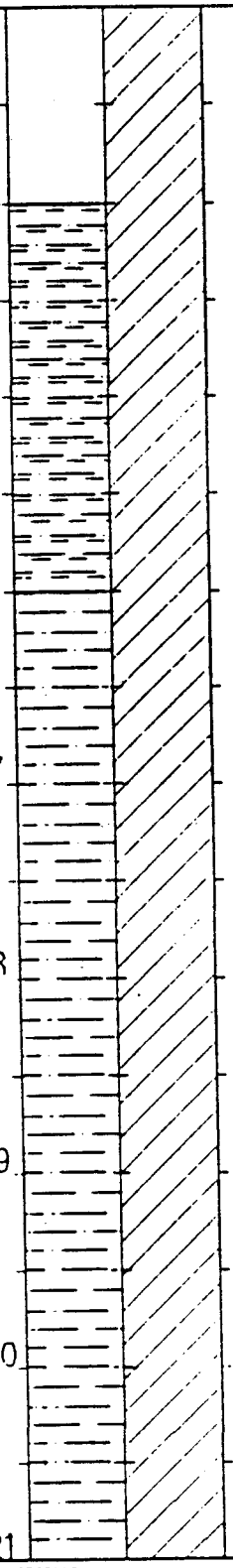
LOG OF BOREHOLE

DEPTH (FT)	GRAPHIC LOG	SAMPLE TYPE	LITHOLOGIC DESCRIPTION	SAMPLES COLLECTED OR OTHER TESTS PERFORMED
5			**6.0-8.0' SAMPLE.** Recovered 1.4/2.0' = 70%. 6.0-6.7': SAND AND GRAVEL: same as above; (sm-sp). 6.7-7.4': CLAY: pinkish gray (5 YR 8/1); caliche; highly effervescent with HCl; quartzite gravels to 5 cm; subangular to angular; soft; (cl); dry..	8.0': Reading in Auger: OVA: 2
6			**8.0-10.0' SAMPLE.** Recovered 1.8/2.0' = 90%. 8.0-8.9': SILTY CLAY: light olive brown (5 Y 5/6); some gravels (35 cm); angular to subangular; soft; (cl); dry.	8.0-9.8' SAMPLE (VOAs only) SEP2289BR0810 8.9-12.0' SAMPLE SEP2289BR0912
7			**ARAPAHOE/LARAMIE FORMATION** 8.9-9.8': CLAYSTONE: light gray (N 7/0); thin sandstone stringers (< 2 cm); abundant caliche; no gravels; sandy in shoe--quartzose; very fine-grained (3.0-3.5 phi); silty; slightly damp.	
8			**10.0-12.0' SAMPLE.** Recovered 2.2/2.0' = 110%. 10.0-11.2': SANDY SILTSTONE: medium light gray (N 6/0); abundant caliche--effervesces with HCl; friable; dry. 11.2-12.0': SANDY SILTSTONE: moderate yellowish brown (10 YR 5/4); abundant caliche; effervesces with HCl; friable; dry.	10.0': Reading in Auger: OVA: 3 12.0': Reading in Auger: OVA: 7.0
9			**12.0-14.0' SAMPLE.** Recovered 1.3/2.0' = 65%. SANDSTONE: moderate brown (5 YR 4/4); fine to medium-grained; alternating thin beds of light gray (N 8/0) and moderate brown (5 YR 4/4) laminae <1 cm thick; some ironstone nodules; (20%) silty clay; unconsolidated; damp.	12.0-13.3' SAMPLE (VOAs only) SEP2289BR1214 12.0-13.3' SAMPLE SEP2289BR1213
10				
11				
12				
13				

SEP2289B

WELL NO. P209489

LOG OF BOREHOLE

DEPTH (FT)	GRAPHIC LOG	SAMPLE TYPE	LITHOLOGIC DESCRIPTION	SAMPLES COLLECTED OR OTHER TESTS PERFORMED
13 14 15 16 17 18 19 20 21			**14.0-16.0' SAMPLE.** Recovered 1.6/2.0' = 80%. CLAYSTONE AND SANDY SILTSTONE: light olive gray (5 Y 5/2) claystone with moderate brown (5 YR 4/4) sandy intervals; abundant white caliche; reacts with HCl; laminated (1 cm); unconsolidated; damp. **16.0-18.0' SAMPLE.** Recovered 2.0/2.0' = 100%. SILTY SANDSTONE: light olive gray (5 Y 5/2) with abundant zones of moderate brown (5 YR 4/4); some caliche; some clay; very fine-grained to medium-grained quartzose sand; iron-stained; unconsolidated; damp. **18.0-20.0' SAMPLE.** Recovered 2.0/2.0' = 100%. SILTY SANDSTONE: same as above; **20.0-22.0' SAMPLE.** Recovered 2.0/2.0' = 100%. SILTY SANDSTONE: same as above; decreasing sand content.	14.0-15.6' SAMPLE SEP2289BR1416 16.0-18.' SAMPLE (VOAs only) SEP2289BR1618 16.0-21.0' SAMPLE SEP2289BR1621 20.0-22.0' SAMPLE SEP2289BR2022

SEP2289C

WELL NO. P209489

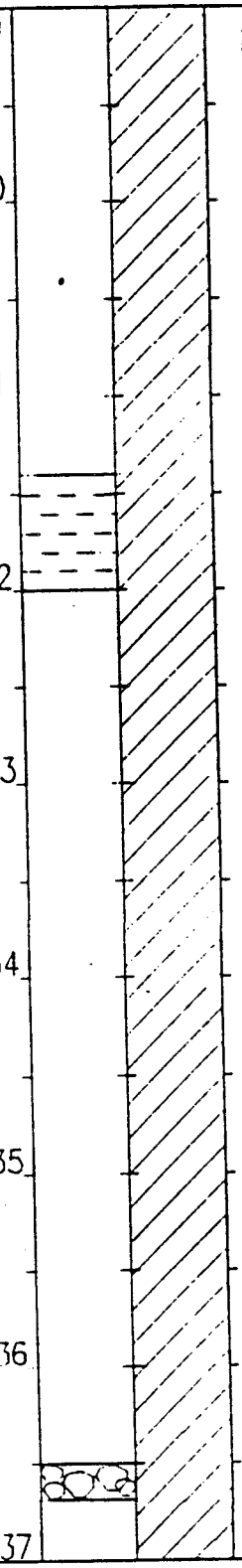
LOG OF BOREHOLE

DEPTH (FT)	GRAPHIC LOG	SAMPLE TYPE	LITHOLOGIC DESCRIPTION	SAMPLES COLLECTED OR OTHER TESTS PERFORMED
21			**22.0-24.0' SAMPLE.** Recovered 2.0/2.0' = 100%. SANDSTONE: light olive gray (5 Y 5/2); fine to medium-grained; abundant iron staining--moderate brown (5 YR 4/4); quartzose sand; some silt; unconsolidated; friable; loose; damp.	
22			**24.0-26.0' SAMPLE.** Recovered 2.0/2.0' = 100%. SANDSTONE: same as above; wet at 25.0'	
23			**26.0-28.0' SAMPLE.** Recovered 2.0/2.0' = 100%. SANDSTONE: light olive gray (5 Y 5/2); heavily iron-stained; 26.0-26.2'--moderate brown (5 YR 4/4); silty to medium-grained quartzose sand; fining downward; damp.	
24			**28.0-30.0' SAMPLE.** Recovered 2.0/2.0' = 100%. SANDSTONE: same as above; damp.	
25				25.0'
26				26.43'
27				
28				
29				

SEP22890

WELL NO. P209489

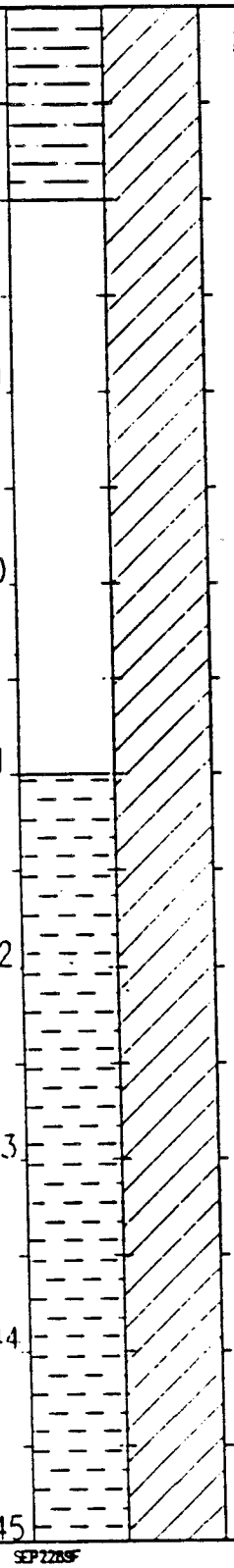
LOG OF BOREHOLE

DEPTH (FT)	GRAPHIC LOG	SAMPLE TYPE	LITHOLOGIC DESCRIPTION	SAMPLES COLLECTED OR OTHER TESTS PERFORMED
29 30 31 32 33 34 35 36 37			<u>30.0-32.0' SAMPLE.</u> Recovered 2.0/2.0' = 100%. 30.0-31.4': SANDSTONE: same as above; wet. 31.4-32.0': SANDY CLAYSTONE: light olive gray (5 Y 5/2); very fine-grained to fine-grained quartzose sand; moderate brown (5 YR 4/4); mottled; some iron streaks; blocky claystone texture; damp. <u>32.0-34.0' SAMPLE.</u> Recovered 2.0/2.0' = 100%. SANDSTONE: same as 30.0-31.4'. <u>34.0-36.0' SAMPLE.</u> Recovered 2.0/2.0' = 100%. SANDSTONE: same as above with few layers (0.1' thick) of moderate brown (5 YR 4/4) claystone; blocky texture; trace organics--black (N 1/0); friable; loose; damp to wet. <u>36.0-38.0' SAMPLE.</u> Recovered 2.0/2.0' = 100%. 36.0-36.5': SANDSTONE: same as above. 36.5-36.7': IRONSTONE NODULES: moderate brown (5 YR 3/4). 36.7-38.0': SILTSTONE AND SANDSTONE: light olive gray (5 Y 5/2) with abundant moderate brown (5 YR 4/4) mottles; some very fine-grained sand in vertical fracture in shoe; friable; moderately consolidated; weathered; wet.	

SEP22B9E

WELL NO. P209489

LOG OF BOREHOLE

DEPTH (FT)	GRAPHIC LOG	SAMPLE TYPE	LITHOLOGIC DESCRIPTION	SAMPLES COLLECTED OR OTHER TESTS PERFORMED
37 38 39 40 41 42 43 44 45			**38.0-40.0' SAMPLE.** Recovered 2.0/2.0' = 100%. SANDSTONE: moderate brown (5 YR 4/4) and light gray (N 7/0) sandstone with alternating beds of clayey sandstone (2 to 5 cm thick); heavy iron-staining--moderate brown (5 YR 4/4); friable; unconsolidated; damp. **40.0-42.0' SAMPLE.** Recovered 2.0/2.0' = 100%. 40.0-41.0': SANDSTONE: same as above. 41.0-42.0'; CLAYSTONE: olive gray (5 Y 4/1); blocky; some siltstone; some organic fragments--black (N 1/0); consolidated; dry. **42.0-44.0' SAMPLE.** Recovered: 2.0/2.0' = 100%. CLAYSTONE: same as above; trace to some sand; dry. **44.0-46.0' SAMPLE.** Recovered 2.0/2.0' = 100%. CLAYSTONE: same as above.	

SEP2285F

WELL NO. P209489

LOG OF BOREHOLE

DEPTH (FT)	GRAPHIC LOG	SAMPLE TYPE	LITHOLOGIC DESCRIPTION	SAMPLES COLLECTED OR OTHER TESTS PERFORMED
45			**46.0-47.0' SAMPLE.** Recovered 1.0/1.0' = 100%. SILTSTONE: light olive gray (5 Y 6/1); some very fine-grained sand; rounded; some moderate brown (5 YR 4/4) stains; abundant black (N 1/0) organic streaks; damp.	
46			**47.0-48.0' SAMPLE.** Recovered 1.7/2.0' = 85%. 47.0-47.5': SILTSTONE: same as above. 47.5-47.7': SANDSTONE: light olive gray (5 Y 6/1); very fine-grained; silty; quartzose; rounded; friable; unconsolidated; dry.	
47				
			TOTAL DEPTH = 48.0'	
48				
49				
50				
51				
52				
53				

SEP2289G

LOG OF BOREHOLE

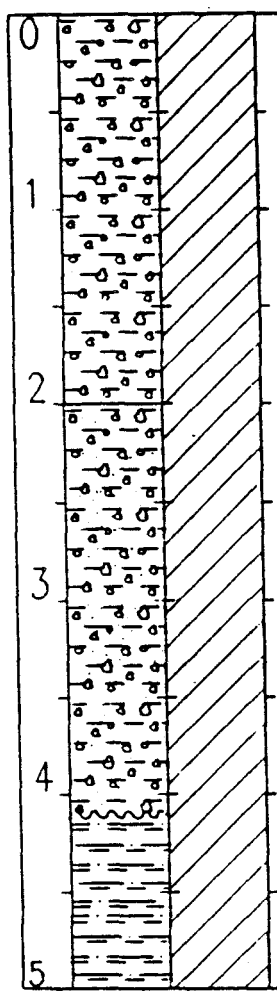
QA BY/DATE J.B. Berman 11-29-89
LOCATION Rocky Flats Plant; Solar Ponds Area
COORDINATES N38,084.38 E22,183.90 (RFP)
TOTAL DEPTH 30.3'

DRILLING COMPANY Boyles Brothers
DATE DRILLED May 10, 1989
DRILLING METHOD Hollow Stem Auger
LOGGED BY K.E. Miller
GEOLOGIST

BOREHOLE/WELL NO. P209589
GROUND SURFACE ELEVATION 5948.17'
WATER LEVEL ENCOUNTERED None
STATIC 14.72' (09/19/89)
DRILLER R. Sharp HELPER P. Mesa
DRILLING FLUID None
CHECKED BY J.B. Berman
SITE MANAGER

CEARP MANAGER

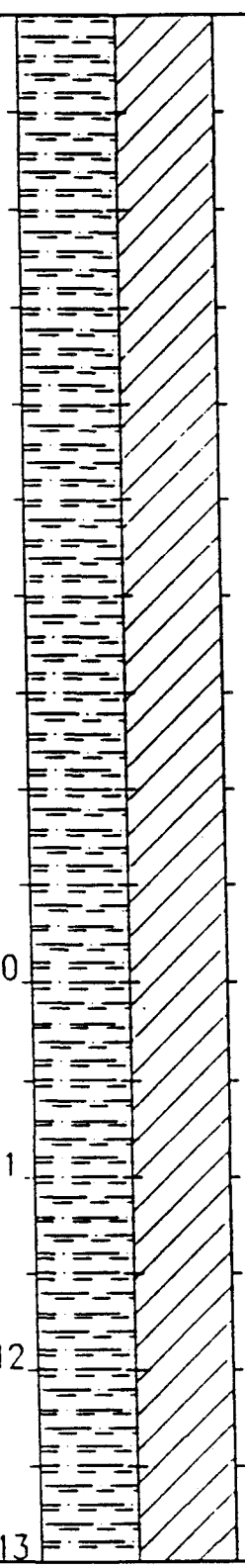
COMMENTS

DEPTH (FT)	GRAPHIC LOG	SAMPLE TYPE	LITHOLOGIC DESCRIPTION	SAMPLES COLLECTED OR OTHER TESTS PERFORMED
0 1 2 3 4 5			**ROCKY FLATS ALLUVIUM** 0.0-2.0' SAMPLE. Recovered 2.0/2.0' = 100%. GRAVELLY CLAY: olive gray (5 Y 4/1); coarse to fine quartzite gravel; subrounded; broken; coarse to fine-grained sand; some organics; stiff; medium plasticity; (cl); damp. 2.0-4.0' SAMPLE. Recovered 1.3/2.0' = 65%. CLAYEY SANDY GRAVEL: grayish orange (10 YR 7/4); coarse to fine-grained sand; coarse to fine quartzite gravel to 2 cm; broken; loose to firm; non to low plasticity; (gc); damp. 4.0-6.0' SAMPLE. Recovered 2.0/2.0' = 100%. 4.0-4.1': CLAYEY SANDY GRAVEL: same as above. **ARAPAHOE/LARAMIE FORMATION** 4.1-6.0': SILTY CLAYSTONE: light olive gray (5 Y 6/); mottled dusky yellow (5 Y 6/4); consolidated; stiff; high plasticity; calcareous nodules; HCl reactive; highly weathered; damp.	HNu Background: 0.0 OVA Background: 0.0 All readings on cuttings, in breathing zone, on core, and in augers: 0.0; unless otherwise noted below. TRIP BLANK: TB051089 0.0-4.1' SAMPLE SEP2389BR0004 0.0-2.0' SAMPLE (VOAs only) SEP2389BR0002 0.0': Readings in Auger: HNu: 5.0 OVA: 60.0 0.0-2.0': Readings on Core: HNu: 2.0 OVA: 5.0 2.0': Readings in Auger: HNu: 50.0 OVA: 60.0 4.0-6.0' SAMPLE (VOAs only) SEP2389BR0406

SEP2388A

WELL NO. P209589

LOG OF BOREHOLE

DEPTH (FT)	GRAPHIC LOG	SAMPLE TYPE	LITHOLOGIC DESCRIPTION	SAMPLES COLLECTED OR OTHER TESTS PERFORMED
5 6 7 8 9 10 11 12 13			**6.0-8.0' SAMPLE.** Recovered 2.0/2.0' = 100%. SILTY CLAYSTONE: same as 4.1-6.0'. **8.0-10.0' SAMPLE.** Recovered 2.0/2.0' = 100%. SILTY CLAYSTONE: yellowish gray (5 Y 7/2) to dusky yellow (5 Y 6/4); trace coarse to fine-grained quartz sand; moderately consolidated; firm to stiff; low plasticity; dry. **10.0-12.0' SAMPLE.** Recovered 1.2/2.0' = 60%. SILTY CLAYSTONE: yellowish gray (5 Y 6/1); mottled dark yellowish orange (10 YR 6/6); trace coarse to fine-grained sand; rounded; abundant iron stains; moderately consolidated; hard; low to medium plasticity; carbonaceous streaks--black (N 1/0); dry. **12.0-14.0' SAMPLE.** Recovered 0.0/2.0' = 0%. Note: Lost sample.	**4.1-10.0' SAMPLE** SEP2389BR0410 **4.0':** Readings in Auger: HNu: 20.0 OVA: 18.0 **6.0':** Readings in Auger: OVA: 10.0 **8.0-10.0' SAMPLE** (VOAs only) SEP2389BR0810 **8.0':** Readings in Auger: HNu: 3.0 OVA: 20.0 **10.0-14.5' SAMPLE** SEP2389BR1015 **14.0-14.5' SAMPLE** (VOAs only) SEP2389BR1416

SEP2389B

WELL NO. P209589

LOG OF BOREHOLE

DEPTH (FT)	GRAPHIC LOG	SAMPLE TYPE	LITHOLOGIC DESCRIPTION	SAMPLES COLLECTED OR OTHER TESTS PERFORMED
13			**14.0-16.3' SAMPLE.** Recovered 0.5/2.3' = 22%. SILTY SANDY CLAYSTONE: light olive gray (5 Y 6/1); semiconsolidated; low plasticity; silica cemented; very fine to fine-grained sand; dry.	
14			**16.3-18.3' SAMPLE.** Recovered 2.0/2.0' = 100%. SANDY SILTY CLAYSTONE: same as above; less sand; mottled dark yellowish orange (10 YR 6/6); dry.	
			18.3-20.3' SAMPLE. Recovered 2.0/2.0' = 100%. SILTY CLAYSTONE: light olive gray (5 Y 6/1); mottled grayish orange (10 YR 7/4); trace very fine to fine-grained sand; iron stains--dark yellowish orange (10 YR 6/6); consolidated; medium plasticity; stiff to hard; dry.	14.72'
15				
			20.3-22.3' SAMPLE. Recovered 1.1/2.0' = 55%. SILTY CLAYSTONE: same as above.	**18.3-20.3' SAMPLE** (VOAs only) SEP2389BR1820
16				
17				
18				
19				
20				
21				

SEP2389C

DEPTH (FT)	GRAPHIC LOG	SAMPLE TYPE	LITHOLOGIC DESCRIPTION	SAMPLES COLLECTED OR OTHER TESTS PERFORMED
21			**22.3-24.3' SAMPLE.** Recovered 2.0/2.0' = 100%. SILTY CLAYSTONE: yellowish gray (5 Y 7/2) to dusky yellow (5 Y 6/4); trace very fine to fine-grained sand; moderately consolidated; hard; medium plasticity; carbonaceous material; black (N 1/0); iron stains and fractures; dark yellowish orange (10 YR 6/6); dry.	
22			**24.3-26.3' SAMPLE.** Recovered 1.2/2.0' = 60%. SILTY CLAYSTONE: same as above.	
23			**26.3-28.3' SAMPLE.** Recovered 2.0/2.0' = 100%. SILTY CLAYSTONE: light olive gray (5 Y 5/2); consolidated; low carbonaceous streaks; some iron-staining--dark yellowish orange (10 YR 6/6); stiff to hard; high plasticity; damp.	
24			**28.3-30.3' SAMPLE.** Recovered 2.0/2.0' = 100%. SILTY CLAYSTONE: same as above.	
25				
26				
27				
28				
29				

WELL NO. P209589

LOG OF BOREHOLE

DEPTH (FT)	GRAPHIC LOG	SAMPLE TYPE	LITHOLOGIC DESCRIPTION	SAMPLES COLLECTED OR OTHER TESTS PERFORMED
29			TOTAL DEPTH = 30.3'	
30				
31				
32				
33				
34				
35				
36				
37				

SEP23BSE

LOG OF BOREHOLE

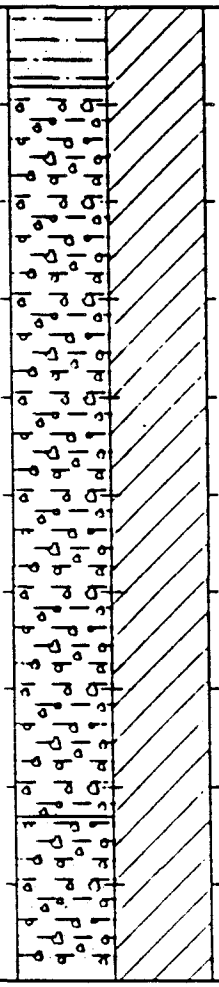
QA BY/DATE J.B. Burman 11-29-89
LOCATION Rocky Flats Plant; Solar Ponds Area
COORDINATES N37,591.03 E22,390.35 (RFP)
TOTAL DEPTH 30.2'

DRILLING COMPANY Boyles Brothers
DATE DRILLED May 3, 1989
DRILLING METHOD Hollow Stem Auger
LOGGED BY K.E. Miller
GEOLOGIST

BOREHOLE/WELL NO. P209689
GROUND SURFACE ELEVATION 5962.63'
WATER LEVEL ENCOUNTERED 8.0'
STATIC 24.67' (09/21/89)
DRILLER R. Sharp HELPER P. Mesa
DRILLING FLUID None
CHECKED BY J.B. Burman
SITE MANAGER

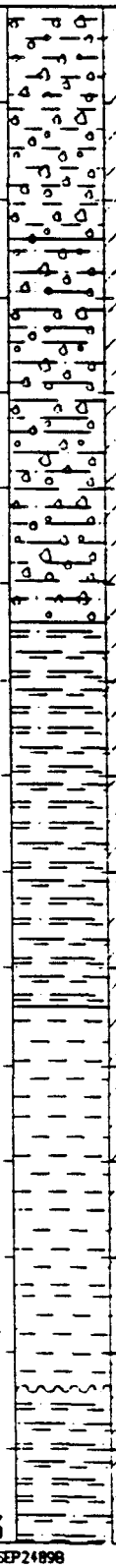
CEARP MANAGER

COMMENTS

DEPTH (FT)	GRAPHIC LOG	SAMPLE TYPE	LITHOLOGIC DESCRIPTION	SAMPLES COLLECTED OR OTHER TESTS PERFORMED
0 1 2 3 4 5			**ROCKY FLATS ALLUVIUM** 0.0-2.2' SAMPLE. Recovered 1.0/2.2' = 45%. 0.0-0.4': SILTY SAND: light brown (5 YR 5/6); coarse to fine-grained quartzose sand; unconsolidated; well sorted; trace gravel; subrounded; loose; non-plastic; (sm); damp. 0.4-1.0': CLAYEY GRAVEL: moderate brown (5 YR 4/4); (30%) gravel; quartzite; subrounded; coarse to fine to 3 cm; stiff; low plasticity; trace coarse to fine-grained sand; (gc with sand); damp. 2.2-4.2' SAMPLE. Recovered 0.6/2.0' = 30%. CLAYEY GRAVEL: same as 0.4 to 1.0'; more gravel; grading to moderate brown (5 YR 3/4); calcareous in lower portion; HCl reactive; (gc with sand). 4.2-6.2' SAMPLE. Recovered 1.4/2.0' = 70%. CLAYEY SANDY GRAVEL: pale greenish yellow (10 Y 8/2); mottles of dark yellowish orange (10 YR 6/6); coarse to fine-grained gravel; broken; quartzite to 5 cm; high HCl reaction; firm; non-plastic; (gc); damp.	HNu Background: 0.0 OVA Background: 0.0 All readings on cuttings, in breathing zone, on core and in augers: 0.0; unless otherwise noted below. TRIP BLANK SAMPLE TB050389 0.0-5.6' SAMPLE SEP2489BR0006 0.0-1.0' SAMPLE (VOAs only) SEP2489BR0002 2.2': Reading in Auger: OVA: 1.0 4.2-5.6' SAMPLE (VOAs only) SEP2489BR0406 4.2': Readings in Auger: HNu: 0.2 OVA: 8.0

SEP2489A

WELL NO. P209689 LOG OF BOREHOLE

DEPTH (FT)	GRAPHIC LOG	SAMPLE TYPE	LITHOLOGIC DESCRIPTION	SAMPLES COLLECTED OR OTHER TESTS PERFORMED
5 6 7 8 9 10 11 12 13			**6.2-8.2' SAMPLE.** Recovered 1.2/2.0' = 60%. SILTY GRAVELLY SAND: grayish orange (10 YR 7/4); coarse to fine-grained sand; quartz; well sorted; subrounded gravel; coarse to fine quartzite; subrounded; no effervescence; (sc-sm); wet at 8.0'. **8.2-10.2' SAMPLE.** Recovered 0.7/2.0' = 35%. SILTY CLAYEY SAND: moderate yellow brown (10 YR 5/4); trace gravel; coarse to fine-grained; quartzose; subrounded; coarse to fine-grained quartzose sand; well sorted; soft; low plasticity; (sc-sm); wet. **10.2-12.2' SAMPLE.** Recovered 2.2/2.0' = 110%. SANDY CLAY: moderate yellowish brown (10 YR 5/4); mottled light olive gray (5 Y 6/1); coarse to fine-grained quartzose sand; subrounded; trace gravel; stiff; low plasticity; small amount carbonaceous--lignite black (N 1/0); calcareous nodules; HCl reactive; (cl); damp. **ARAPAHOE/LARAMIE FORMATION** **12.2-14.2' SAMPLE.** Recovered 2.2/2.0' = 110%. SANDY SILTY CLAYSTONE: light brown (5 YR 6/4) to light olive gray (5 Y 6/1); coarse to fine-grained quartzose sand; lenses interbedded; well sorted; highly calcareous cement; HCl reactive; bluish white (5 B 9/1); stiff to very stiff; low to high plastic; wet.	**6.2-12.2' SAMPLE** SEP2489BR0612 **8.2-8.9' SAMPLE** (VOAs only) SEP2489BR0810 ▽ 8.0' **12.2-18.2' SAMPLE** SEP2489BR1218 **12.2-14.2' SAMPLE** (VOAs only) SEP2489BR1214

SEP2489B

DEPTH (FT)	GRAPHIC LOG	SAMPLE TYPE	LITHOLOGIC DESCRIPTION	SAMPLES COLLECTED OR OTHER TESTS PERFORMED
13			**14.2-16.2' SAMPLE.** Recovered 2.0/2.0' = 100%. SANDY SILTY CLAYSTONE: same as above; wet.	
14			**16.2-18.2' SAMPLE.** Recovered 2.0/2.0' = 100%. SILTY CLAYSTONE: light olive gray (5 Y 6/1) to medium gray (N 5/0); mottles of dark yellowish orange (10 YR 6/6); consolidated; very stiff to hard; low to high plasticity; carbonaceous--lignite black (N 1/0); small amount calcareous nodules; HCl reactive; trace coarse to fine-grained sand; quartz; damp.	**16.2-18.2'** SAMPLE (VOAs only) SEP2489BR1618
15			**18.2-20.2' SAMPLE.** Recovered 2.2/2.0' = 110%. SILTY CLAYSTONE: same as above.	**18.2-24.2'** SAMPLE SEP2489BR1824 **18.0-24.0'** FIELD BLANK (VOAs only) SEP2489BR1824FB
16			**20.2-22.2' SAMPLE.** Recovered 2.2/2.0' = 110%. SILTY CLAYSTONE: light olive gray (5 Y 6/1); to medium gray (N 5/0); trace coarse to fine-grained quartzose sand; mottled; dark yellowish orange (10 YR 6/6); very stiff to hard; low to high plasticity; small amount of calcareous material; HCl reactive; damp.	**20.2-22.2'** SAMPLE (VOAs only) SEP2489BR2022
17				
18				
19				
20				
21				

WELL NO. P209689

LOG OF BOREHOLE

DEPTH (FT)	GRAPHIC LOG	SAMPLE TYPE	LITHOLOGIC DESCRIPTION	SAMPLES COLLECTED OR OTHER TESTS PERFORMED
21			22.2-24.2' SAMPLE. Recovered 2.2/2.0' = 110%. SILTY CLAYSTONE: same as above. 24.2-26.2' SAMPLE. Recovered 2.0/2.0' = 100%. SILTY CLAYSTONE: same as above; more calcareous material; hard; very reactive HCl; damp. 26.2-28.2' SAMPLE. Recovered 2.0/2.0' = 100%. SILTY CLAYSTONE: same as above; grading to medium dark gray (N 4/0); dry. 28.2-30.2' SAMPLE. Recovered 0.0/2.0' = 0%. Note: No sample due to mislatch.	24.2-26.2' SAMPLE (VOAs only) SEP2489BR2426 24.67'
22				
23				
24				
25				
26				
27				
28				
29				

SEP2489D

WELL NO. P209689

LOG OF BOREHOLE

DEPTH (FT)	GRAPHIC LOG	SAMPLE TYPE	LITHOLOGIC DESCRIPTION	SAMPLES COLLECTED OR OTHER TESTS PERFORMED
29				
			TOTAL DEPTH = 30.2'	
30				
31				
32				
33				
34				
35				
36				
37				

SEP248SE

LOG OF BOREHOLE

QA BY/DATE J.B. Berman 11-29-89
LOCATION Rocky Flats Plant; Solar Ponds Area
COORDINATES N37,591.43 E22,377.11 (RFP)
TOTAL DEPTH 17.5'

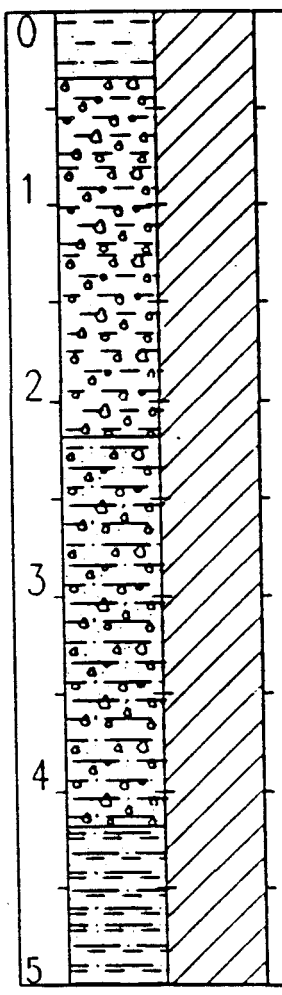
DRILLING COMPANY Boyles Brothers
DATE DRILLED May 4, 1989
DRILLING METHOD Hollow Stem auger
LOGGED BY K.E. Miller
GEOLOGIST

BOREHOLE/WELL NO. P209789
GROUND SURFACE ELEVATION 5962.82'
WATER LEVEL ENCOUNTERED 8.2'
STATIC 3.06' (09/13/89)
DRILLER R. Sharp HELPER P. Mesa
DRILLING FLUID None
CHECKED BY J.B. Berman
SITE MANAGER

CEARP MANAGER

COMMENTS

DEPTH (FT)	GRAPHIC LOG	SAMPLE TYPE	LITHOLOGIC DESCRIPTION	SAMPLES COLLECTED OR OTHER TESTS PERFORMED



ROCKY FLATS ALLUVIUM

0.0-2.2' SAMPLE.
Recovered 1.0/2.2' = 45%.
0.0-0.3': CLAYEY SAND: moderate brown (5 YR 4/4); coarse to fine-grained quartzose sand; well graded; trace coarse to fine gravel; loose; non-plastic; (sc); moist.
0.3-1.0': CLAYEY GRAVEL: grayish brown (5 YR 3/2); coarse to fine; trace silt; interbedded; loose; non to low plasticity; (gc); damp.

2.2-4.2' SAMPLE.
Recovered 0.2/2.0' = 10%.
SILTY GRAVELLY CLAY: dark reddish brown (10 YR 3/4); gravel; coarse to fine to 4 cm; subrounded; trace coarse to fine-grained sand; firm; medium plasticity; (cl-gc); damp.

4.2-6.2' SAMPLE.
Recovered 2.0/2.0' = 100%.
4.2-5.0': SILTY CLAYEY SAND: moderate yellow brown (10 YR 5/4); coarse to fine-grained sand; trace coarse to fine gravel; quartzite; subrounded; high effervescence; HCl reactive; (sc); loose; low plasticity; moist.
5.0-6.2': GRAVELLY CLAY: grayish orange (10 YR 7/4); some coarse to fine-grained sand; high effervescence; HCl reactive; firm; low plasticity; (cl); damp.

HNu Background: 0.0
OVA Background: 0.0

All readings on cuttings, in breathing zone, on core, and in augers: 0.0; unless otherwise noted below.

TRIP BLANK SAMPLE
TB050489

0.0-1.0' SAMPLE
(VOAs only)
SEP25890002

0.0-6.2' SAMPLE
SEP25890006

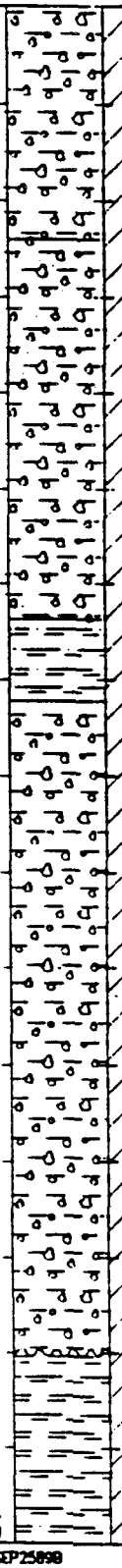
▼ 3.06'

4.2-6.2' SAMPLE
(VOAs only)
SEP25890406

SEP2589A

WELL NO. P209789

LOG OF BOREHOLE

DEPTH (FT)	GRAPHIC LOG	SAMPLE TYPE	LITHOLOGIC DESCRIPTION	SAMPLES COLLECTED OR OTHER TESTS PERFORMED
5 6 7 8 9 10 11 12 13			**6.2-8.2' SAMPLE.** Recovered 2.0/2.0' = 100%. SANDY GRAVELLY CLAY: dusky yellow (5 Y 6/4); poorly sorted; coarse to fine-grained sand; coarse to fine quartzite gravel; subrounded; high weathered caliche; pale greenish yellow (10 Y 8/2); sand at bottom; moderate brown (5 YR 4/4); loose to firm; non to low plasticity; (cl); moist. **8.2-10.2' SAMPLE.** Recovered 1.4/2.0' = 70%. 8.2-8.6': CLAYEY SILTY SAND: yellowish gray (5 Y 7/2); mottled moderate brown (5 YR 4/4); trace coarse to fine gravel; coarse to fine-grained sand; loose; non to low plasticity; (sm-sc); saturated. 8.6-9.6': GRAVELLY CLAY: moderate brown (5 YR 4/4); coarse to fine gravel; subrounded to 2 cm; some coarse to fine-grained quartzose sand; very stiff to hard; low to medium plasticity; (cl with sand); moist. **10.2-12.2' SAMPLE.** Recovered 2.0/2.0' = 100%. 10.2-12.0': GRAVELLY CLAY: same as 8.6-9.6'; (cl with sand). **ARAPAHOE/LARAMIE FORMATION** 12.0-12.2': SILTY CLAYSTONE: yellowish gray (5 Y 8/1); mottled; moderate brown (5 YR 4/4); consolidated; very stiff to hard; high plasticity; small calcareous nodules; HCl reactive; damp. **12.2-14.2' SAMPLE.** Recovered 2.2/2.0' = 110%. SILTY CLAYSTONE: yellowish gray (5 Y 8/1); mottled; moderate brown (5 YR 4/4); interbedded; coarse to fine-gained sand; well graded; quartz and K-feldspar; very stiff to hard; high plasticity; highly weathered caliche; high reaction HCl; damp.	**6.2-8.2' SAMPLE** SEP25890608 **6.2'**: Reading in Auger: HNu: 0.2 **8.2-12.0' SAMPLE** SEP25890812 **8.2-9.6' SAMPLE** (VOAs only) SEP25890810 ▽ 8.2' **12.0-15.2' SAMPLE** SEP25891216 **12.2-14.2' SAMPLE** (VOAs only) SEP25891214

WELL NO. P209789

LOG OF BOREHOLE

DEPTH (FT)	GRAPHIC LOG	SAMPLE TYPE	LITHOLOGIC DESCRIPTION	SAMPLES COLLECTED OR OTHER TESTS PERFORMED
13			**14.2-16.2' SAMPLE.** Recovered 1.0/2.0' = 50%. SILTY CLAYSTONE: same as above; highly weathered and oxidized iron material in shoe.	
14			**16.2-17.5' SAMPLE.** Recovered 0.0/1.3' = 0%. Note: Lost Sample.	
15			**TOTAL DEPTH = 17.5'**	
16				
17				
18				
19				
20				
21				

SEP2589C

LOG OF BOREHOLE

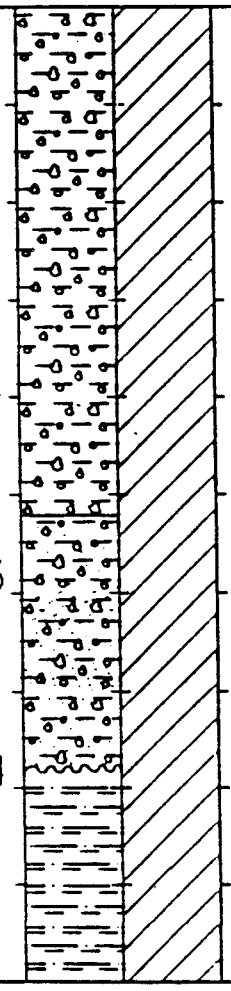
QA BY/DATE J.B. Burman 11-29-89
LOCATION Rocky Flats Plant; Solar Ponds Area
COORDINATES N38,208.53 E21,882.16 (RFP)
TOTAL DEPTH 23.9'

DRILLING COMPANY Boyles Brothers
DATE DRILLED May 11, 1989
DRILLING METHOD Hollow Stem Auger
LOGGED BY K.E. Miller
GEOLOGIST

BOREHOLE/WELL NO. P209889
GROUND SURFACE ELEVATION 5940.28'
WATER LEVEL ENCOUNTERED 7.9'
STATIC 3.10' (09/26/89)
DRILLER R. Sharp HELPER P. Mesa
DRILLING FLUID None
CHECKED BY J.B. Burman
SITE MANAGER

CEARP MANAGER

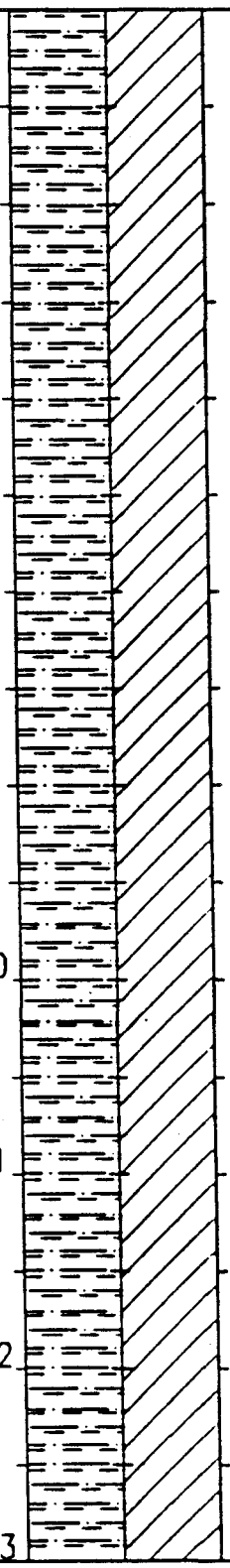
COMMENTS

DEPTH (FT)	GRAPHIC LOG	SAMPLE TYPE	LITHOLOGIC DESCRIPTION	SAMPLES COLLECTED OR OTHER TESTS PERFORMED
0 1 2 3 4 5			**ROCKY FLATS ALLUVIUM** 0.0-1.9' SAMPLE. Recovered 1.9/1.9' = 100%. GRAVELLY CLAY: brownish gray (5 YR 5/1); some organics; trace coarse- to fine-grained sand; quartz; quartzite gravel to 3 cm.; broken; stiff; low plasticity; (cl); damp; moist. 1.9-3.9' SAMPLE. Recovered 2.0/2.0' = 100%. 1.9-2.6': GRAVELLY CLAY: same as 0.0-1.9'. 2.6-3.9': SANDY GRAVELLY CLAY: moderate yellowish brown (10 YR 5/4); coarse to fine gravel; quartzite; subrounded; coarse- to fine-grained sand; well graded; stiff; low plasticity; (cl with sand); damp to moist. **ARAPAHOE/LARAMIE FORMATION** 3.9-5.9' SAMPLE. Recovered 2.0/2.0' = 100%. SILTY CLAYSTONE: light olive gray (5 Y 6/1) to grayish orange (10 YR 7/4); consolidated; stiff; high plasticity; carbonaceous streaks--black (N 1/0); mottled dark yellowish orange (10 YR 6/6); caliche; highly calcareous reaction; damp to moist. 5.9-7.9' SAMPLE. Recovered 2.0/2.0' = 100%. SILTY CLAYSTONE: same as above; very fine- to fine-grained sand; stained--dark yellowish orange (10 YR 6/6) at bottom; wet at bottom.	HNu Background: 0.0 OVA Background: 0.0 All readings on cuttings, in breathing zone, on core, and in augers: 0.0; unless otherwise noted below. TRIP BLANK SAMPLE TB051189A 0.0-3.9' SAMPLE SEP2689BR0004 0.0-1.9' SAMPLE (VOAs only) SEP2689BR0002 SEP2689BR0002D 3.10' 3.9-9.9' SAMPLE SEP2689BR0410 SEP2689BR0410D 3.9-5.9' SAMPLE (VOAs only) SEP2689BR0406

SEP2689A

WELL NO. P209889

LOG OF BOREHOLE

DEPTH (FT)	GRAPHIC LOG	SAMPLE TYPE	LITHOLOGIC DESCRIPTION	SAMPLES COLLECTED OR OTHER TESTS PERFORMED
5 6 7 8 9 10 11 12 13			7.9-9.9' SAMPLE. Recovered 2.0/2.0' = 100%. SILTY CLAYSTONE: light olive gray (5 Y 6/1); mottled dark yellowish orange (10 YR 6/6); some carbonaceous pieces; black (N 1/0); consolidated; high plasticity; stiff; moist. 9.9-11.9' SAMPLE. Recovered 2.0/2.0' = 100%. SILTY CLAYSTONE: same as above; more saturated. 11.9-13.9' SAMPLE. Recovered 1.2/2.0' = 60%. SILTY CLAYSTONE: same as 7.9-9.9'.	7.9-9.9' SAMPLE (VOAs only) SEP2689BR0810 9.9-15.9' SAMPLE SEP2689BR1016 FIELD BLANK SAMPLE SEP2689BR1016FB 11.9-13.9' SAMPLE (VOAs only) SEP2689BR1214 FIELD BLANK SAMPLE SEP2689BR1214FB ▽ 7.9'

SEP2689B

WELL NO. P209889

LOG OF BOREHOLE

DEPTH (FT)	GRAPHIC LOG	SAMPLE TYPE	LITHOLOGIC DESCRIPTION	SAMPLES COLLECTED OR OTHER TESTS PERFORMED
13			13.9-15.9' SAMPLE. Recovered 2.0/2.0' = 100%. SILTY CLAYSTONE: light olive gray (5 Y 6/1) grading to moderate yellowish brown (10 YR 5/4); stained; consolidated; stiff; medium plasticity; trace very fine- to fine-grained sand; damp.	
14			15.9-17.9' SAMPLE. Recovered 2.0/2.0' = 100%. SILTY CLAYSTONE: medium gray (N 5/0); iron streaks--dark yellowish orange (10 YR 6/6); trace very fine- to fine-grained sand; consolidated; hard; medium plasticity; dry.	
15			17.9-19.9' SAMPLE. SILTY CLAYSTONE: same as above.	
			19.9-21.9' SAMPLE. Recovered 2.0/2.0' = 100%. SILTY CLAYSTONE: same as above.	
16				
17				
18				
19				
20				
21				

SEP268BC

WELL NO. P209889

LOG OF BOREHOLE

DEPTH (FT)	GRAPHIC LOG	SAMPLE TYPE	LITHOLOGIC DESCRIPTION	SAMPLES COLLECTED OR OTHER TESTS PERFORMED
21			21.9-23.9' SAMPLE. Recovered 2.0/2.0' = 100%. SILTY CLAYSTONE: light olive gray (5 Y 6/1) to medium gray (N 5/0); consolidated; iron streaks--dark yellowish orange (10 YR 6/6); stiff to hard; medium plasticity; trace very fine- to fine-grained sand; dry.	
22				
			TOTAL DEPTH = 23.9'	
23				
24				
25				
26				
27				
28				
29				

SEP2589D

LOG OF BOREHOLE

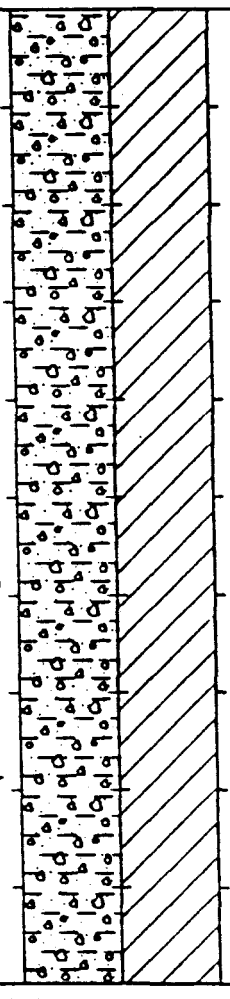
QA BY/DATE J.B. Burman 11-29-89
LOCATION Rocky Flats Plant; Solar Ponds Area
COORDINATES N37,577.96 E22,119.26 (RFP)
TOTAL DEPTH 26.0'

DRILLING COMPANY Boyles Brothers
DATE DRILLED May 15, 1989
DRILLING METHOD Hollow Stem Auger
LOGGED BY K.E. Miller
GEOLOGIST

BOREHOLE/WELL NO. P210289
GROUND SURFACE ELEVATION 5967.03'
WATER LEVEL ENCOUNTERED None
STATIC 14.61' (19/15/89)
DRILLER R. Sharp HELPER P. Mesa
DRILLING FLUID None
CHECKED BY J.B. Burman
SITE MANAGER

CEARP MANAGER

COMMENTS

DEPTH (FT)	GRAPHIC LOG	SAMPLE TYPE	LITHOLOGIC DESCRIPTION	SAMPLES COLLECTED OR OTHER TESTS PERFORMED
0 1 2 3 4 5			**ROCKY FLATS ALLUVIUM** 0.0.2.0' SAMPLE. Recovered 1.7/2.0' = 85%. SANDY CLAYEY GRAVEL: grayish orange (10 YR 7/4) to dusky brown (5 YR 2/2); coarse to fine-grained sand; coarse to fine gravel; quartzite to 2 cm; some organics; firm; low plasticity to non plasticity; (gc with sand); damp. 2.0-4.0' SAMPLE. Recovered 2.0/2.0' = 100%. SANDY GRAVELLY CLAY: moderate reddish brown (10 R 4/6): coarse gravel; quartzite to 4 cm; small amount of broken calcareous material; HCl reactive; coarse to fine-grained sand; quartz; firm; medium plasticity; (sc); damp. 4.0-6.0' SAMPLE. Recovered 1.2/2.0' = 60%. SANDY CLAYEY GRAVEL: grayish orange (10 YR 7/4); coarse to fine gravel to 4 cm; broken; coarse to fine-grained sand; loose to firm; non to low plasticity; (gc); damp.	HNu Background: 0.0 OVA: Background: 0.0 All readings on cuttings, in breathing zone, on core and in augers: 0.0; unless otherwise noted below. TRIP BLANK SAMPLE TB051589 0.0-3.0' SAMPLE SEP3189BR0003 0.0-1.7' SAMPLE (VOAs only) SEP3189BR0002 0.0': Reading in Auger: OVA: 20.0 3.0-5.2' SAMPLE SEP3188BR0306 4.0-5.2' SAMPLE (VOAs only) SEP3189BR0406

SEP31-88A

WELL NO. P210289

LOG OF BOREHOLE

DEPTH (FT)	GRAPHIC LOG	SAMPLE TYPE	LITHOLOGIC DESCRIPTION	SAMPLES COLLECTED OR OTHER TESTS PERFORMED
5			6.0-8.0' SAMPLE. Recovered 1.1/2.0' = 55%. 6.0-6.6': SANDY CLAYEY GRAVEL: same as above. ARAPAHOE/LARAMIE FORMATION 6.6-7.1': SILTY CLAYSTONE: yellowish gray (5 Y 8/1); consolidated; stiff; highly calcareous; caliche; HCl reactive; iron-stains--dusky yellow (5 Y 6/4); damp. 8.0-10.0' SAMPLE. Recovered 2.0/2.0' = 100%. SILTY CLAYSTONE: same as above. 10.0-12.0' SAMPLE. Recovered 2.0/2.0' = 100%. SILTY CLAYSTONE: light olive gray (5 Y 6/1); mottled dark yellowish orange (10 YR 6/6); consolidated; high plasticity; stiff; caliche; high HCl reaction; some fracturing; damp. 12.0-14.0' SAMPLE. Recovered 2.0/2.0' = 100%. SILTY CLAYSTONE: same as above.	6.6-13.0' SAMPLE SEP3189BR0713 8.0-10.0' SAMPLE (VOAs only) SEP3189BR0810 10.0': Reading in Auger: OVA: 1.0 12.0-14.0' SAMPLE SEP3189BR1214 13.0-19.0' SAMPLE SEP3189BR1319
6				
7				
8				
9				
10				
11				
12				
13				

SEP3189B

WELL NO. P210289

LOG OF BOREHOLE

DEPTH (FT)	GRAPHIC LOG	SAMPLE TYPE	LITHOLOGIC DESCRIPTION	SAMPLES COLLECTED OR OTHER TESTS PERFORMED
13			14.0-16.0' SAMPLE. Recovered 2.0/2.0' = 100%. SILTY CLAYSTONE: grayish orange (10 YR 7/4) to light olive gray (5 Y 6/1); stains--dark yellowish orange (10 YR 6/6); consolidated; stiff to hard; medium plasticity; caliche nodules; high HCl reaction, damp.	
14			16.0-18.0' SAMPLE. Recovered 2.0/2.0' = 100%. SILTY CLAYSTONE: same as above; small carbonaceous pieces--black (N 1/0); damp.	14.61'
15			18.0-20.0' SAMPLE. Recovered 2.0/2.0' = 100%. SILTY CLAYSTONE: same as 14.0-16.0'; more lignite; black (N 1/0); grading to olive gray (5 Y 4/1).	16.0-18.0' SAMPLE (VOAs only) SEP3189BR1618 18.0': Reading in Auger: OVA: 1.0
16			20.0-22.0' SAMPLE. Recovered 2.0/2.0' = 100%. SILTY CLAYSTONE: olive gray (5 Y 4/1) to light olive gray (5 Y 5/2); consolidated; stiff to hard; medium plasticity; dry.	
17				
18				
19				
20				
21				

SEP318BC

WELL NO. P210289

LOG OF BOREHOLE

DEPTH (FT)	GRAPHIC LOG	SAMPLE TYPE	LITHOLOGIC DESCRIPTION	SAMPLES COLLECTED OR OTHER TESTS PERFORMED
21			**22.0-24.0' SAMPLE.** Recovered 1.2/2.0' = 60%. SILTY CLAYSTONE: same as above; large caliche nodule 2 cm.; high HCl reaction, dry.	
22			**24.0-26.0' SAMPLE.** Recovered 1.3/2.0' = 65%. SILTY CLAYSTONE: light olive gray (5 Y 6/1); iron stains--dark yellowish orange (10 YR 6/6); consolidated; stiff to hard; low to medium plasticity; calcareous nodules; HCl reactive; dry.	
23			**TOTAL DEPTH = 26.0'**	
24				
25				
26				
27				
28				
29				

SEP31890

ADDITIONAL APPENDIX B BORING LOGS

FINAL
OPERABLE UNIT 4 PHASE I RFI/RI WORK PLAN

JANUARY 31, 1992

STATE PLANE COORDINATE:	TOTAL DEPTH (FT): 34	GROUND ELEVATION (FT): 5904.5	PROJECT NUMBER: 667.11	LOG OF BORING NUMBER:
NORTH: 751585	AREA: SOLAR PONDS	CASING DIAMETER (IN): 0	GEOLOGIST: LAA	SP11-87
EAST: 2094450	LOCATOR NUMBER: L11	BOREHOLE DIAMETER (IN): 0	DATE DRILLED: 11/05/87	

REMARKS: Hollow Stem Auger. BH backfill with Portland Type I Cement. Coordinates and elevation estimated from topographic map.

GRADATIONAL SAMPLE DEPTH	SAMPLE NO.	SAMPLE GRAIN SIZE	PERCENT RECOVERY	RECOVERY/INTERVAL	DATUM (FT)	DEPTH (FT)	WELL OR PIEZOMETER CONSTRUCTION	LITHOLOGY	UNIFIED SOILS CLASSIFICATION OR ROCK TYPE	DESCRIPTION
				0.6 /1.5	5904	0			CH:	Clay - dusky yellow (5Y 6/4), slightly silty, trace sand, est. plasticity mod. to high, surficial grass and root material present.
				1.1 /2	5903	1			CL:	SILTY CLAY - yellowish gray (5Y 8/1) to grayish orange (10YR 7/4), mottled, slightly calcitic, trace surficial root material.
				2.6 /2.8	5902	2			CL:	Same as above, some gravel, few lg. pieces (to 8 cm.), sub-rounded, trace carb. material, very slightly calcareous.
				2.5 /2.5	5901	3			CL	SANDY GRAVELLY CLAY - yellowish gray to dk. yellowish orange (10YR 6/6), mottled, est. plast. moderate, some calcareous and carb. material, sand VFG to coarse, gravel to 4 cm.
				0.5 /0.5	5900	4			CL	Same as above.
					5899	5			CL	SILTY CLAY - dk. yellowish brown (10YR 4/2), mod plasticity, some gravel to approx. 2 cm., some sand VFG to coarse, slightly calcitic, heterogenous.
					5898	6				
					5897	7				
					5896	8				
					5895	9				
						10				

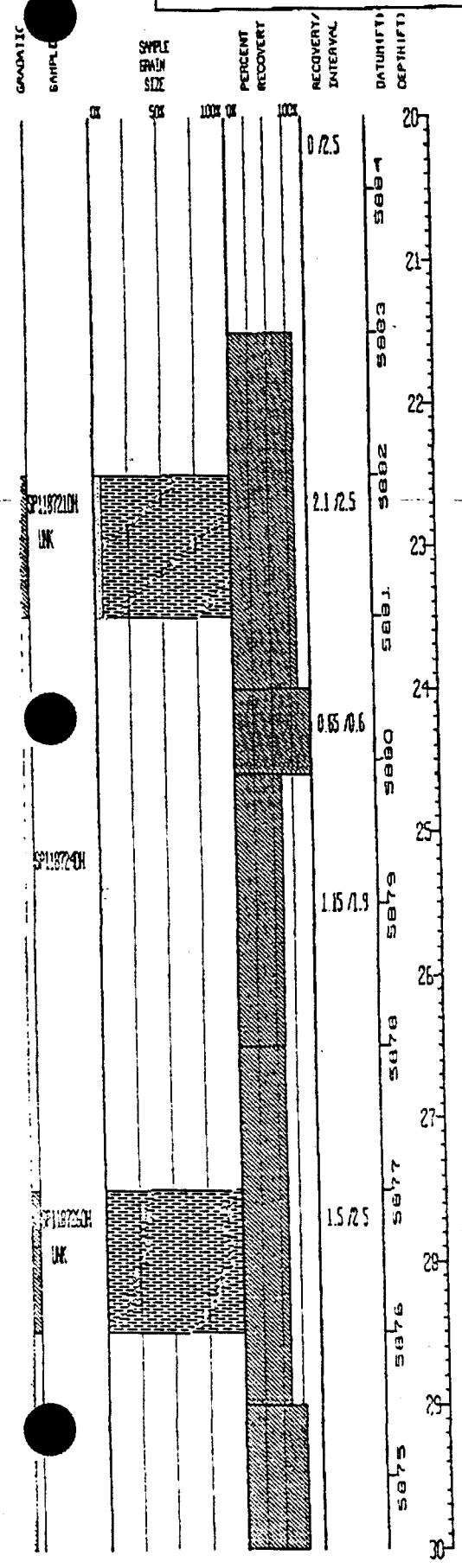
STATE PLANE COORDINATE:	TOTAL DEPTH (FT): 34	GROUND ELEVATION (FT): 5904.5	PROJECT NUMBER: 667.11	LOG OF BORING NUMBER:	
NORTH: 751585	AREA: SOLAR PONDS	CASING DIAMETER (IN): 0	GEOLOGIST: LAA	SP11-87	
EAST: 2064450	LOCATOR NUMBER: L11	BOREHOLE DIAMETER (IN): 0	DATE DRILLED: 11/05/87		

REMARKS: Hollow Stem Auger. Bit backfill with Portland Type I Cement. Coordinates and elevation estimated from topographic map.

GRADATIONAL SAMPLE DEPTH	SAMPLE NO.	SAMPLE GRAIN SIZE	PERCENT RECOVERY	RECOVERY/INTERVAL	DATUM (FT)	DEPTH (FT)	WELL OR PIEZOMETER CONSTRUCTION	LITHOLOGY	UNIFIED SOILS CLASSIFICATION OR ROCK TYPE	DESCRIPTION
	SP11B7090H	CR	50%	LOCK OR 100%	1.1/2.2	5891				
						10				
						11				
					5893				CL:	Same as above, gravel fine to approx. 3 cm.
						12				
	SP11B7110H			2.6/2.5	5892					
						13				
					5891					
						14			CL:	Same as above, some lg. cobbles of gravel (approx. 5 cm.), sub-angular.
	SP11B7140H				5890					
				0.6/2.5		15				
					5889					
						16				
					5888				CL:	Same as above
	SP11B7150H					17				
				0.8/2.5	5887					
						18				
					5886					
						19			NO SAMPLE	
	[illegible]				5885					
						20				

STATE PLANE COORDINATE:	TOTAL DEPTH (FT): 34	GROUND ELEVATION (FT): 5904.5	PROJECT NUMBER: 667.11	LOG OF BORING NUMBER:
NORTH: 751585	AREA: SOLAR PONDS	CASING DIAMETER (IN): 0	GEOLOGIST: LAA	SP11-87
EAST: 208+150	LOCATOR NUMBER: L11	BOREHOLE DIAMETER (IN): 0	DATE DRILLED: 11/05/87	

REMARKS: Hollow Stem Auger. BH backfill with Portland Type I Cement. Coordinates and elevation estimated from topographic map.



LITHOLOGY	UNIFIED SOILS CLASSIFICATION OR ROCK TYPE	DESCRIPTION
	SILTY CLAYSTONE	Top of Bedrock. Pale yellowish brown (10YR 6/2), highly weathered, moderately friable, bedding not evident, some carbonaceous material present, some iron staining.
	SILTY CLAYSTONE	Same as above.
	SILTY CLAYSTONE	Pale brown (5YR 5/2), highly weathered, mod. friable, bedding not evident but has turbated appearance on slab.
	SILTY CLAYSTONE	Same as above.
	SILTY CLAYSTONE	Lt. olive gray (5Y 6/1) to grayish orange (10YR 7/4), highly weathered, mod. friable, pillow bedding.

STATE PLANE COORDINATE:	TOTAL DEPTH (FT): 34	GROUND ELEVATION (FT):	5904.5	PROJECT NUMBER:	667.11
NORTH: 751585	AREA: SOLAR PONDS	CASING DIAMETER (IN):	0	GEOLOGIST:	LAA
EAST: 2084450	LOCATION NUMBER: L11	BOREHOLE DIAMETER (IN):	0	DATE DRILLED:	11/05/87

LOG OF BORING NUMBER: **SP11-87**

REMARKS: Hollow Stem Auger. BH backfill with Portland Type I Cement. Coordinates and elevation estimated from topographic map

SAMPLE NUMBER	SAMPLE	SAMPLE GRAIN SIZE	PERCENT RECOVERY	RECOVERY/INTERVAL	DATUM (FT)	DEPTH (FT)	WELL OR PIEZOMETER CONSTRUCTION	LITHOLOGY	UNIFIED SOILS CLASSIFICATION OR ROCK TYPE	DESCRIPTION
SP11872314		CL SDX	100% CR 100%	2/2.5	5874	30				
					5873	31				
				2.6/2.5	5872	32				SILTY CLAYSTONE: Same as above, trace iron staining, some carbonaceous material. NOTE: No water encountered while drilling.
					5871	33				
					5870	34				
					5869	35				
					5868	36				
					5867	37				
					5866	38				
					5865	39				
						40				

STATE PLANE COORDINATE	TOTAL DEPTH (FT) 37	GROUND ELEVATION (FT) 5971.8	PROJECT NUMBER 667.11	LOG OF BORING NUMBER
NORTH: 750560	AREA: SOLAR PONDS	CASING DIAMETER (IN) 0	GEOLOGIST LAA	SP04-87
EAST: 2084920	LOCATOR NUMBER L10	BOREHOLE DIAMETER (IN) 0	DATE DRILLED 11/04/87	

REMARKS: Hollow stem auger. Borehole backfilled with Portland Type I cement.
Coords & elevation estimated from topographic map

SAMPLE NO.	RECOVERY/INTERVAL	DATUM (FT)	DEPTH (FT)	UNIFIED SOILS CLASSIFICATION OR ROCK TYPE	DESCRIPTION
	0.8/1.6	5971	0–1	GC	GRAVEL - Lt. gray (N7), mostly sub-rounded artificial surface gravel, max size approx. 1.5 cm, some angular to sub-angular, poorly sorted, max. size 6 cm, matrix calcareous sandy clay, est. plast. low to mod., sand fine to coarse, some silt
	0/0.4	5970	1–2		NO SAMPLE
SP04-87D2H	0.85/1.7	5969	2–3	GC	Clayey Gravel - gravel med. gray (N5), predominantly angular, mod. to well graded, matrix dk. yellowish brown (10YR 4/2), est. plast., mod. to high, some fine sand, mod. sorting
	0/0.3	5968	3–4		NO SAMPLE
SP04-87D3H	1.1/1.8	5967	4–5	GW	GRAVEL - med. lt. gray (N6), angular to sub-angular, mod. graded, 6.5 cm, very little matrix, silty, very calcareous clay, some caliche rinds on gravel
	0/1.2	5966	5–6		NO SAMPLE
[illegible]	1.1/1.7	5965	6–7	GC	GRAVEL - as above, more caliche matrix which also has some biotite.
	0/0.8	5964	7–8		NO SAMPLE
	0.5/0.6	5963	8–9	GW	GRAVEL - as above, very little matrix, sandy clay
		5962	9–10		

STATE PLANE COORDINATE		TOTAL DEPTH (FT) 37	GROUND ELEVATION (FT) 5971.8	PROJECT NUMBER 667.11	LOG OF BORING NUMBER
NORTH:	750560	AREA: SOLAR PONDS	CASING DIAMETER (IN) 0	GEOLOGIST LAA	SP04-87
EAST:	2084920	LOCATOR NUMBER: L10	BOREHOLE DIAMETER (IN) 0	DATE DRILLED 11/04/87	

REMARKS: Hollow stem auger. Borehole backfilled with Portland Type I cement.
Coords & elevation estimated from topographic map.

SAMPLE	SAMPLE GRAIN SIZE (0% / 50% / 100%)	PERCENT RECOVERY (0% / 100%)	RECOVERY/INTERVAL	DATUM (FT)	DEPTH (FT)	WELL OR PIEZOMETER CONSTRUCTION	LITHOLOGY	UNIFIED SOILS CLASSIFICATION OR ROCK TYPE	DESCRIPTION
SP04871001H			0/1.9	5961	10–11			NO SAMPLE	
				5960	11–12	11/04/87 ▽			
SP04871020H			29/25	5959, 5958	12–14			CLAYSTONE	Top of Bedrock. Yellowish gray (5Y 8/1) to dk. yellowish orange (10YR 6/6), est. plast. mod. to high, trace CaCO3, becomes slightly silty and slightly more calcareous toward bottom, trace of sand in lenses, trace of gravel.
SP04871555			25/25	5957, 5956	14–16			CLAYSTONE	Same as above, slightly more CaCO3.
[illegible]			36/5	5955, 5954, 5953, 5952	17–20			CLAYSTONE	Same as above, silty in some small intervals, trace carb.

STATE PLANE COORDINATE		TOTAL DEPTH (FT) 37	GROUND ELEVATION (FT) 5971 8	PROJECT NUMBER 667 11	LOG OF BORING NUMBER
NORTH	750560	AREA SOLAR PONDS	CASING DIAMETER (IN) 0	GEOLOGIST LAA	SP04-87
EAST	2084920	LOCATOR NUMBER L10	BOREHOLE DIAMETER (IN) 0	DATE DRILLED 11/04/87	

REMARKS Hollow stem auger Borehole backfilled with Portland Type I cement
Coords & elevation estimated from topographic map

SAMPLE DEPTH	SAMPLE	RECOVERY/INTERVAL	DATUM (FT)	DEPTH (FT)	LITHOLOGY	UNIFIED SOILS CLASSIFICATION OR ROCK TYPE	DESCRIPTION
SP04-87220H			5951	20–21			
			5950	21–22			
			5949	22–23		CLAYSTONE	Dk yellowish orange (10YR 6/6) to lt brownish gray, mottled, est plasticity mod to high, some iron staining, trace carb. material
SP04-87220H		16.5/25	5948	23–24			
			5947	24–25		CLAYSTONE	Lt brownish gray (5YR 6/1), probable horizontal thin bedding approx 2 cm layers, iron staining and carb material common, highly weathered, moderately friable, trace sand
SP04-87250H		18/25	5946	25–26			
			5945	26–27			
			5944	27–28		SILTY CLAYSTONE	Yellowish gray (5Y 8/1) to greyish orange (10YR 7/4), mod weathered, slightly to mod friable
SP04-87270H		17/25	5943	28–29			
			5942	29–30		SILTY CLAYSTONE	Yellowish gray (5Y 8/1) to greyish orange (10YR 7/4), mod weathered, slightly to mod friable, trace carb material, trace $CaCO_3$ in areas

Column headings: SAMPLE DEPTH; SAMPLE; RECOVERY/INTERVAL; DATUM (FT); DEPTH (FT); WELL OR PIEZOMETER CONSTRUCTION; LITHOLOGY; UNIFIED SOILS CLASSIFICATION OR ROCK TYPE; DESCRIPTION

Scale: GR; SIZE; 100% GR; 100%

STATE PLANE COORDINATE		TOTAL DEPTH (FT) 37	GROUND ELEVATION (FT) 5971 8	PROJECT NUMBER 667 11	LOG OF BORING NUMBER
NORTH:	750560	AREA SOLAR PONDS	CASING DIAMETER (IN) 0	GEOLOGIST LAA	SP04-87
EAST	2084920	LOCATOR NUMBER L10	BOREHOLE DIAMETER (IN) 0	DATE DRILLED 11/04/87	

REMARKS Hollow stem auger Borehole backfilled with Portland Type I cement
Coords & elevation estimated from topographic map

SAMPLE NUMBER	SAMPLE DEPTH	SAMPLE GRADATION	SAMPLE GRAIN SIZE	PERCENT RECOVERY	RECOVERY/INTERVAL	DATUM (FT)	DEPTH (FT)	WELL OR PIEZOMETER CONSTRUCTION	LITHOLOGY	UNIFIED SOILS CLASSIFICATION OR ROCK TYPE	DESCRIPTION
SP04-87030H				100%	1.85/2.5	5941	30				
						5940	31				
							32			SILTY CLAYSTONE	As above, highly weathered, mod friable, bedding not evident. carb material common, leaf prints visible at top of section
SP04-87020H					1.8/2.5	5939	33				
						5938	34				
						5937	35			SILTY CLAYSTONE	Very pale orange (10YR 8/2) to pale yellowish brown (10YR 6/2), color actually lies between these two (10YR 7/2), possible near horizontal bedding, highly weathered, mod to highly friable
					1.8/2.5	5936	36				
						5935	37				
						5934	38				
						5933	39				
						5932	40				

WELL COMPLETION INFORMATION

QA By/Date Jarell Bryman 6-8-89

Location Rocky Flats Plant: Solar Ponds Area **Well No.** P207389

Coordinates N 37211.10 E 21362.90 (RFP) **Elevation: Ground Surface** 5981.02'

Total Depth: Well 16.26' **Top of Casing** 5982.77'

Borehole 23.3'

Formation of Completion Weathered Sandstone

Casing Material Schedule 40 PVC **Casing Diameter** 4 1/2" O.D.

Screen Material Schedule 40 10-slotted PVC **Surface Casing Diameter** 8 5/8" O.D.

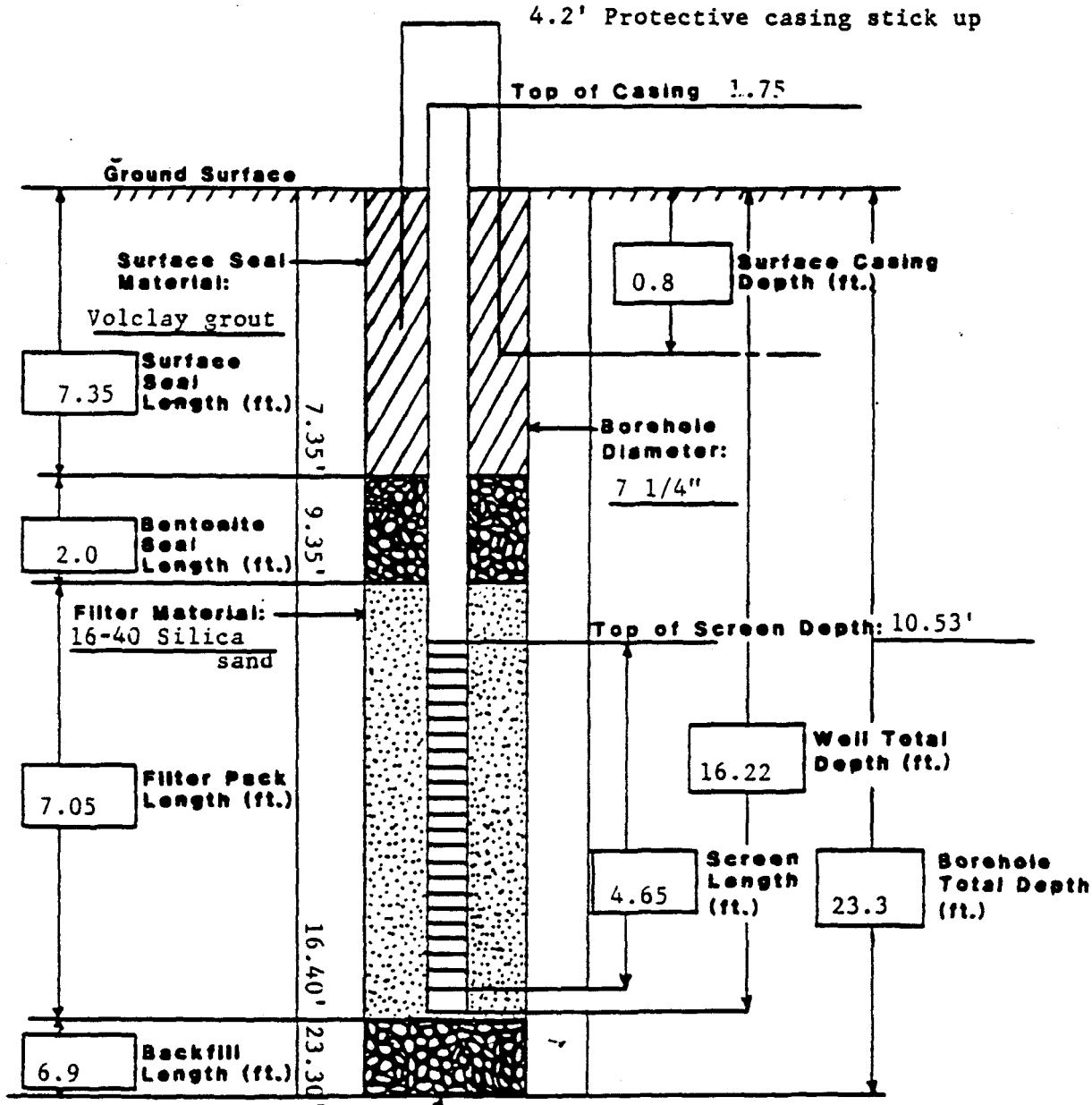
Date Installed 06/06/1989 **Approved By** Jarell Bryman

Installed By R.A. Chapuis
Geologist

Site Manager

CEARP Manager

Comments No centralizer used



Backfill Material: 1/4" Volclay bentonite pellets and slough

WELL COMPLETION INFORMATION

QA By/Date Jarell Bryman 16-8-89

Location Rocky Flats Plant: Solar Ponds Area

Well No. P207489

Coordinates N 37212.89 E 21376.11 (RFP)

Elevation: Ground Surface 5980.71'

Total Depth: Well 8.23'

Top of Casing 5982.64'

Borehole 10.0'

Formation of Completion Rocky Flats Alluvium

Casing Material Schedule 40 PVC

Casing Diameter 4 1/2" O.D.

Screen Material Schedule 40 10-slotted PVC

Surface Casing Diameter 8 5/8" O.D.

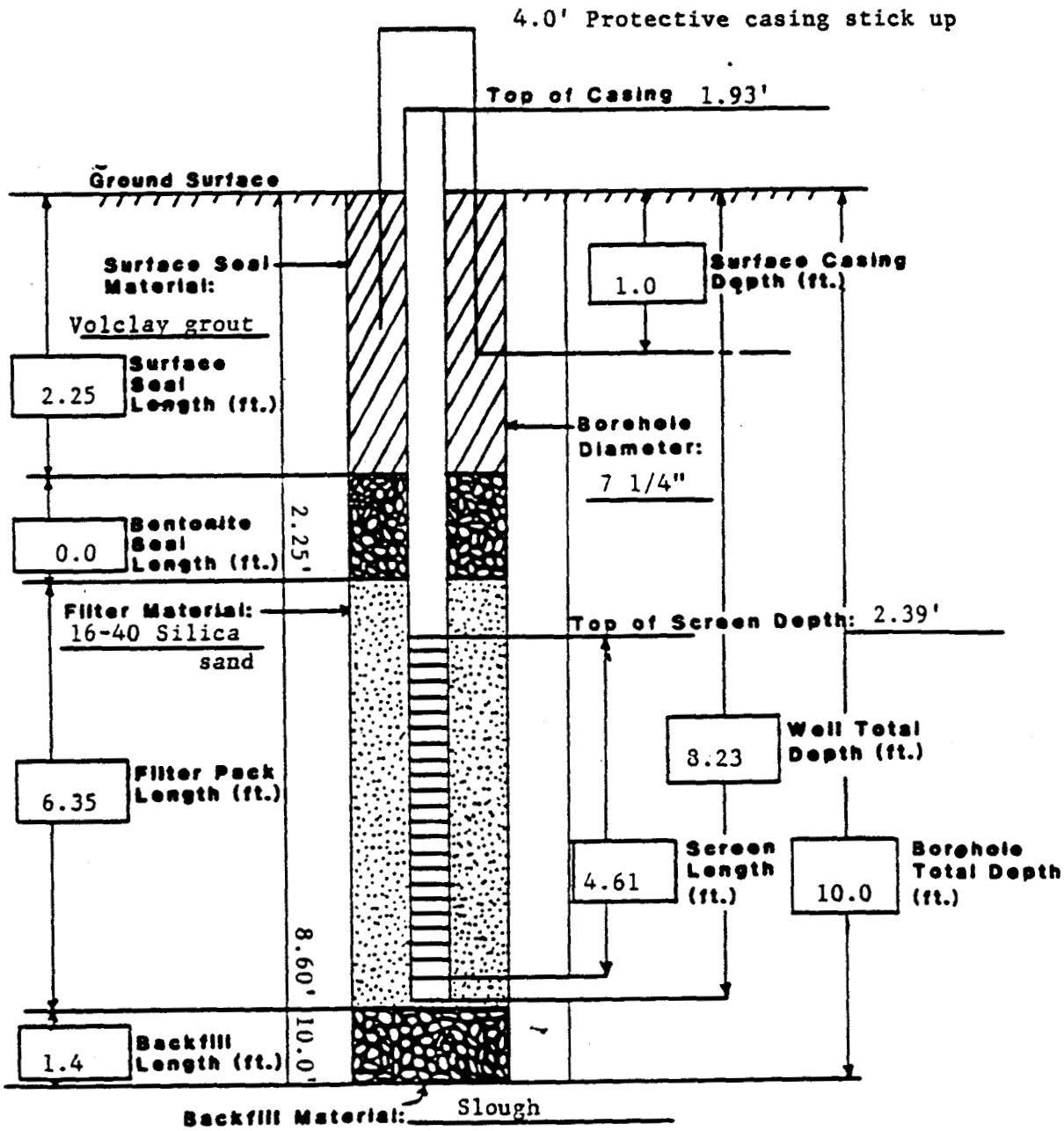
Date Installed 06/06/1989

Approved By Jarell Bryman
Site Manager

Installed By R.A. Chapuis
Geologist

CEARP Manager

Comments No centralizer used.



WELL COMPLETION INFORMATION

QA By/Date Jarell Bynum 15-19-89

Location Rocky Flats Plant: Solar Ponds Area **Well No.** P207589

Coordinates N 37410.11 E 21738.72 (RFP) **Elevation: Ground Surface** 5974.06'

Total Depth: Well 25.1' **Top of Casing** 5975.96'

Borehole 29.1'

Formation of Completion Weathered Claystone

Casing Material Schedule 40 PVC **Casing Diameter** 4 1/2" O.D.

Screen Material Schedule 40 10-slotted PVC **Surface Casing Diameter** 8 5/8" O.D.

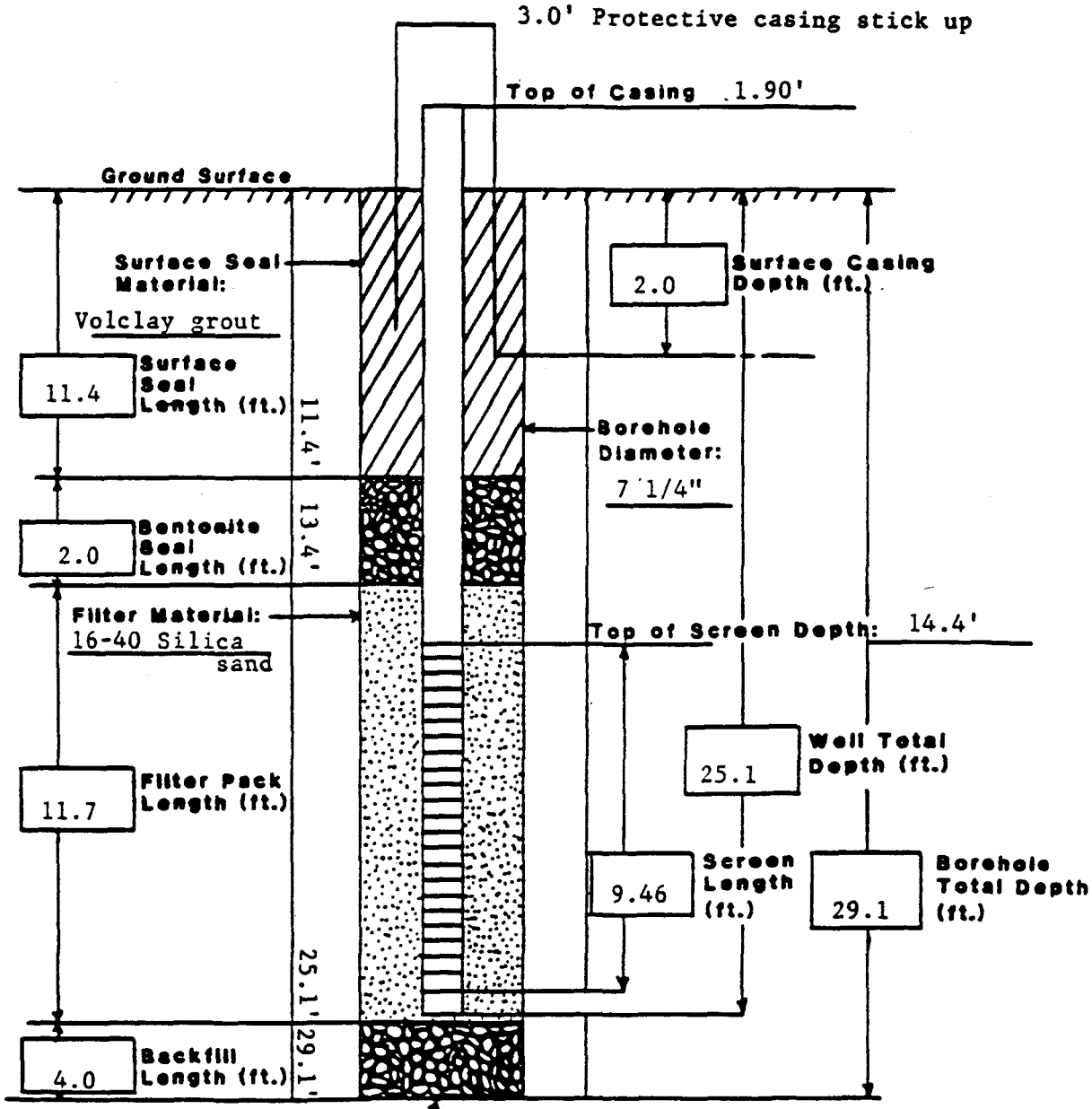
Date Installed 05/18/1989 **Approved By** Jarell Bynum

Installed By K.E. Miller
Geologist

Site Manager

CEARP Manager

Comments Set stainless steel centralizer from 23.65' to 24.9' below ground surface.



Backfill Material: 1/4" Volclay bentonite pellets and slough

WELL COMPLETION INFORMATION

QA By/Date Janell Burman 15-8-89

Location Rocky Flats Plant; Solar Ponds Area

Well No. P207689

Coordinates N 37411.33 E 22213.85 (RFP)

Elevation: Ground Surface 5966.32'

Total Depth: Well 14.36'

Top of Casing 5967.88'

Borehole 18.2'

Formation of Completion Rocky Flats Alluvium

Casing Material Schedule 40 PVC

Casing Diameter 4 1/2" O.D.

Screen Material Schedule 40 10-slotted PVC

Surface Casing Diameter 8 5/8" O.D.

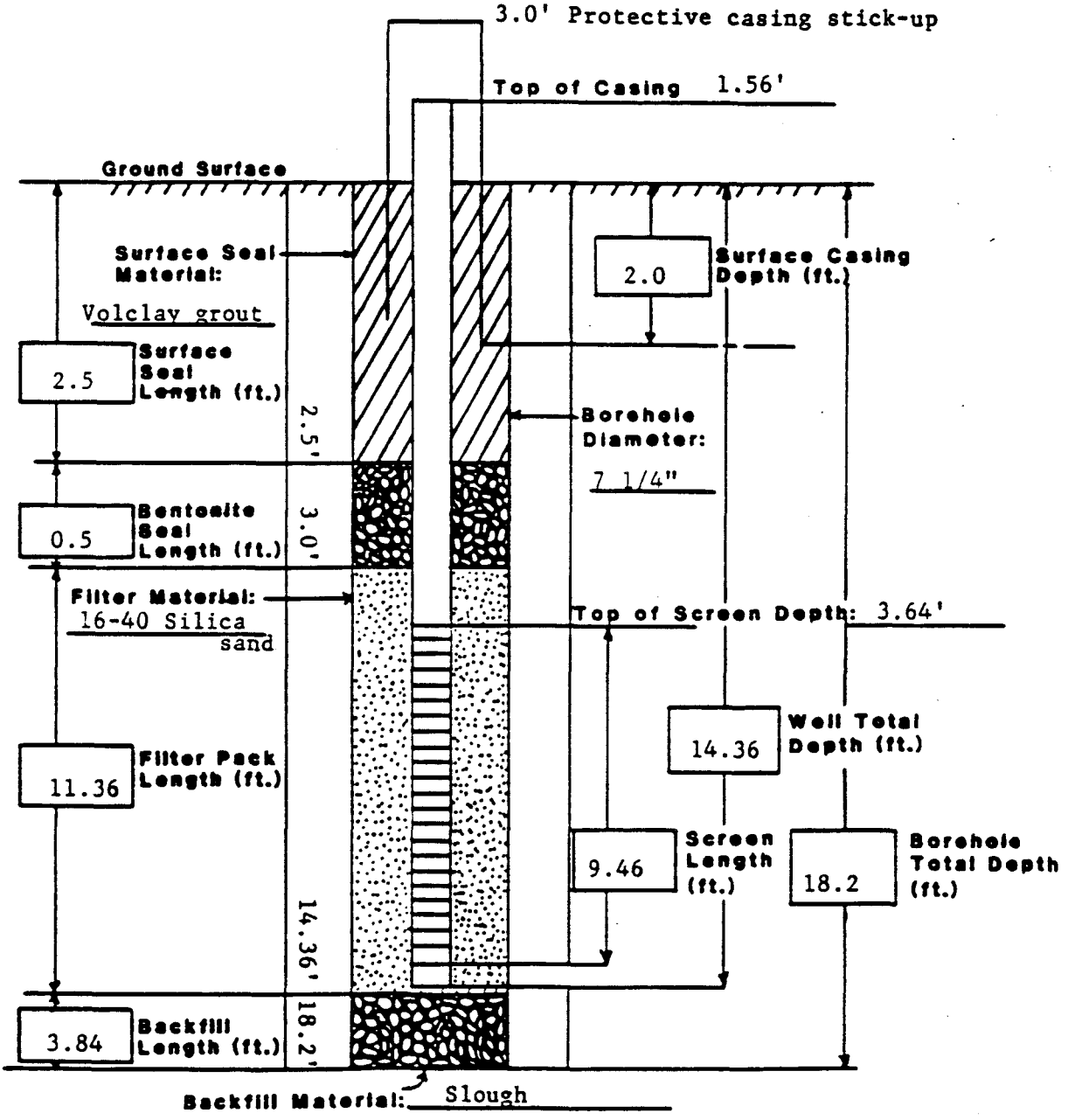
Date Installed 05/05/1989

Approved By Janell Burman
Site Manager

Installed By K.E. Miller
Geologist

CEARP Manager

Comments Set stainless steel centralizer from 12.91' to 14.16' below ground surface.



WELL COMPLETION INFORMATION

QA By/Date Janell Burman 15-9-89

Location Rocky Flats Plant; Solar Ponds Area

Well No. P207789

Coordinates N 37405.58 E 22239.07 (RFP)

Elevation: Ground Surface 5965.88'

Top of Casing 5967.75'

Total Depth: Well 28.63'

Borehole 32.3'

Formation of Completion Weathered Claystone

Casing Material Schedule 40 PVC

Casing Diameter 4 1/2" O.D.

Screen Material Schedule 40 10-slotted PVC

Surface Casing Diameter 8 5/8" O.D.

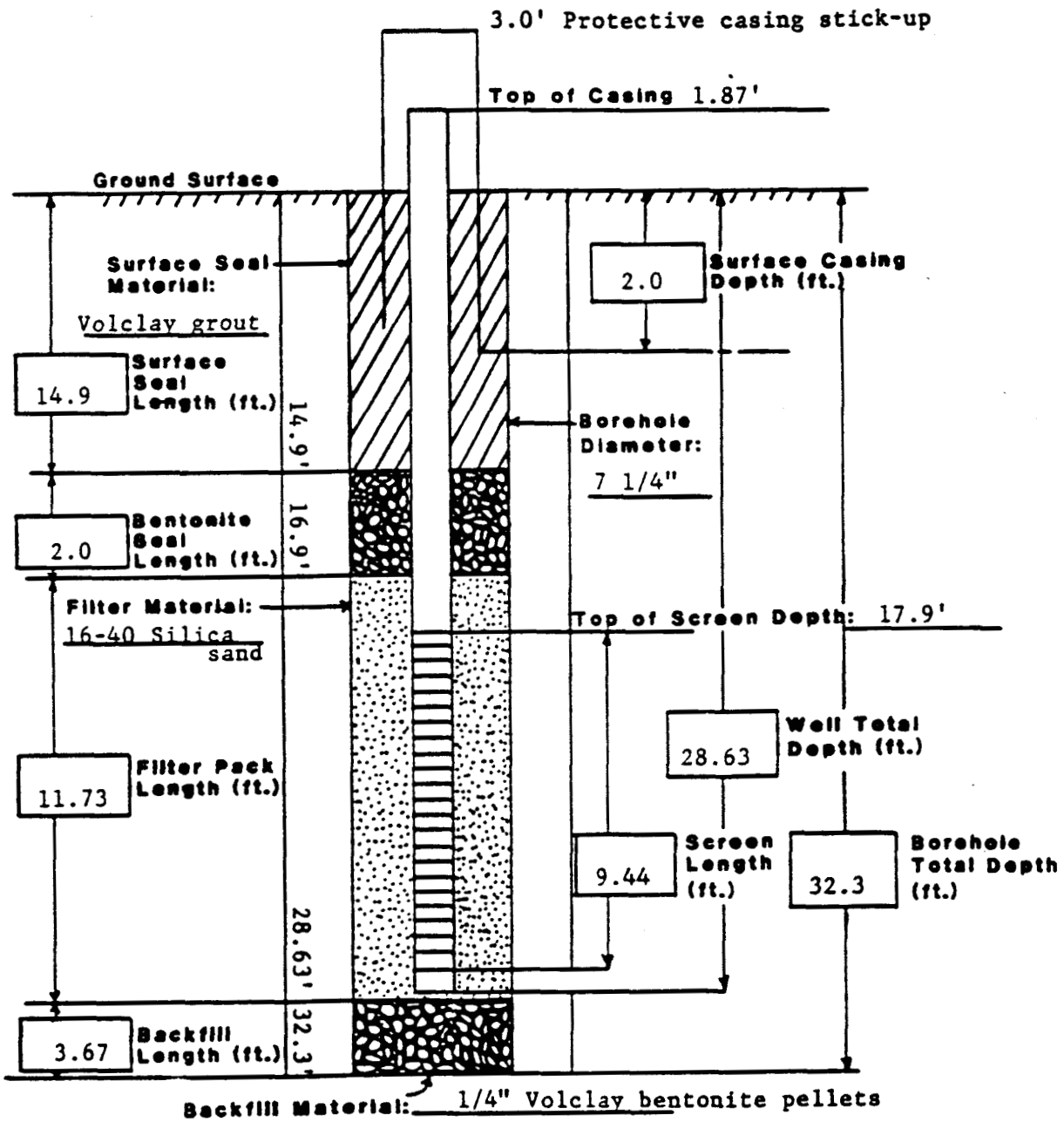
Date Installed 05/08/1989

Approved By Janell Burman
Site Manager

Installed By K.E. Miller
Geologist

CEARP Manager

Comments Set stainless steel centralizer from 27.18' to 28.43' below ground surface.



WELL COMPLETION INFORMATION

QA By/Date Jarell Burrow 15-1-89

Location Rocky Flats Plant; Solar Ponds Area **Well No.** P207889

Coordinates N 37683.91 E 22239.84 (RFP) **Elevation: Ground Surface** 5962.82'

Total Depth: Well 8.95' **Top of Casing** 5964.90'

Borehole 10.5'

Formation of Completion Rocky Flats Alluvium

Casing Material Schedule 40 PVC **Casing Diameter** 4 1/2" O.D.

Screen Material Schedule 40 10-slotted PVC **Surface Casing Diameter** 8 5/8" O.D.

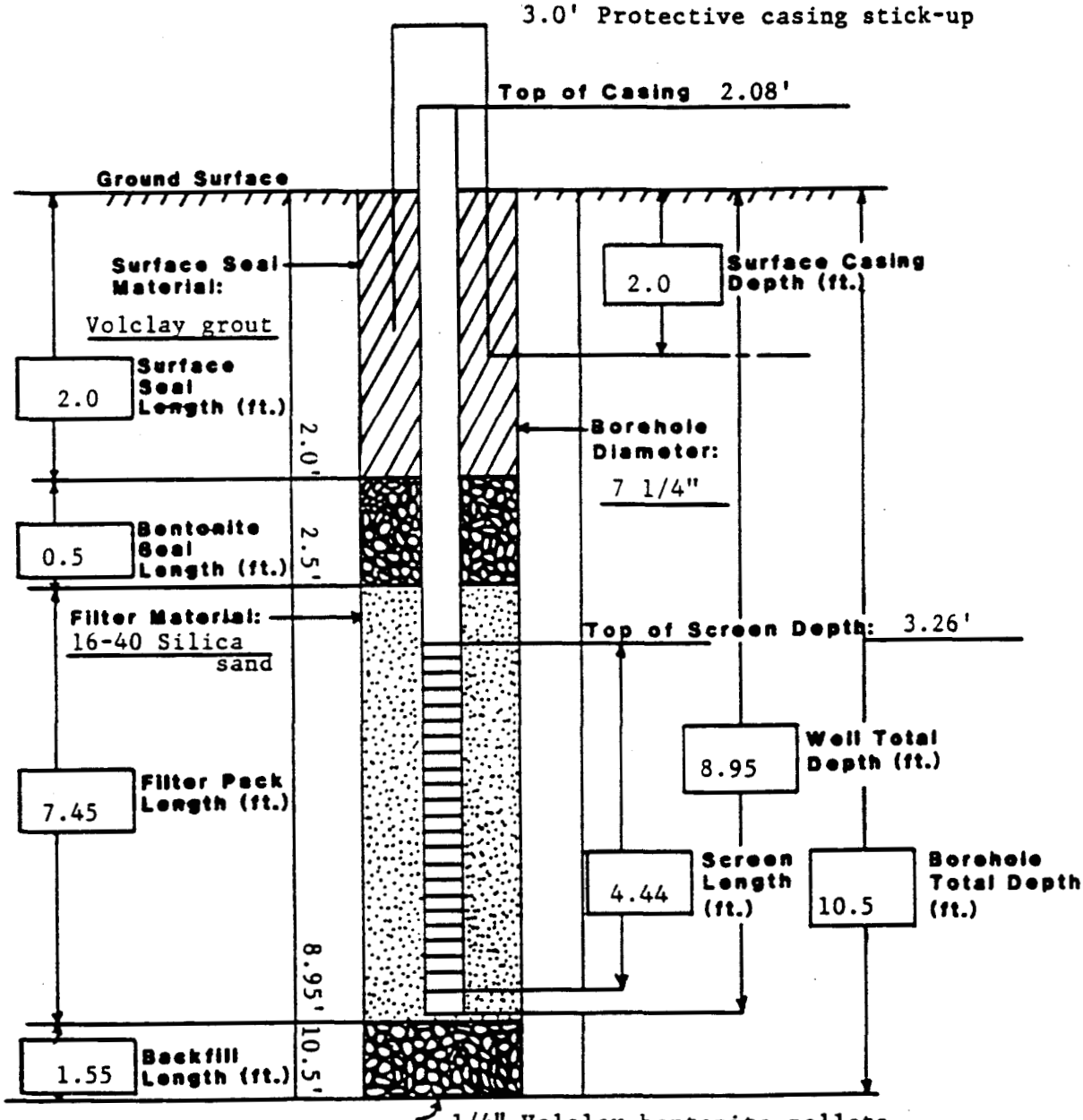
Date Installed 05/01/1989 **Approved By** Jarell Burrow

Installed By K.E. Miller
Geologist

Site Manager

CEARP Manager

Comments Set stainless steel centralizer from 7.55' to 8.80' below ground surface.



Backfill Material: 1/4" Volclay bentonite pellets

WELL COMPLETION INFORMATION

QA By/Date Jarell Burman 15-4-89

Location Rocky Flats Plant; Solar Ponds Area Well No. P207989

Coordinates N 37683.92 E 22226.17 (RFP) Elevation: Ground Surface 5963.09'

Total Depth: Well 21.73' Top of Casing 5965.17'

Borehole 26.2'

Formation of Completion Weathered Claystone

Casing Material Schedule 40 PVC Casing Diameter 4 1/2" O.D.

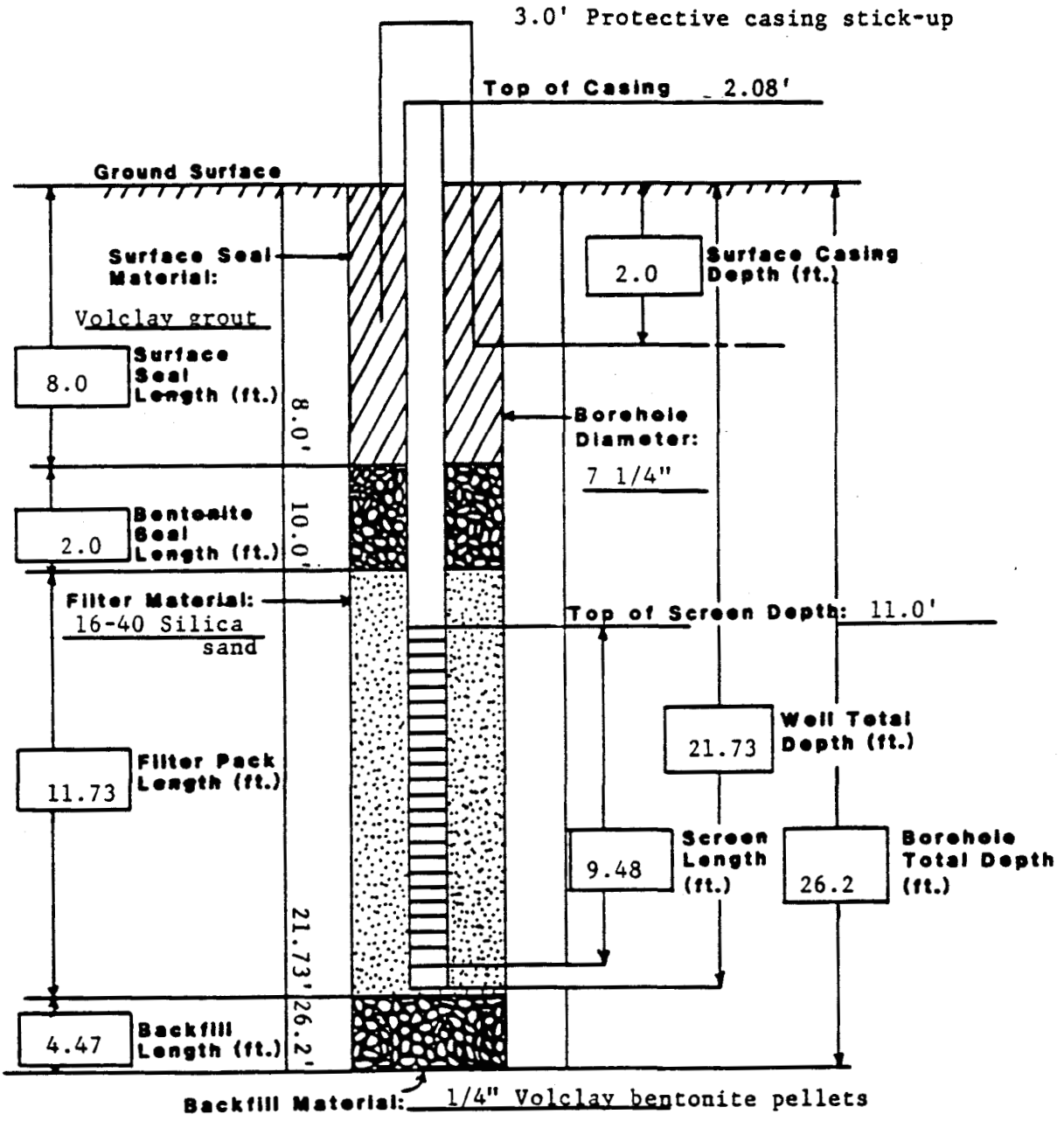
Screen Material Schedule 40 10-slotted PVC Surface Casing Diameter 8 5/8" O.D.

Date Installed 05/02/1989 Approved By Jarell Burman
Site Manager

Installed By K.E. Miller
Geologist

CEARP Manager

Comments Set stainless steel centralizer from 20.15' to 21.40' below ground surface.



WELL COMPLETION INFORMATION

QA By/Date Jarell Burman 11-18-89

Location Rocky Flats Plant; Solar Pond Area

Well No. -B208089

Coordinates N 38154.24 E 22774.43 (RFP)

Elevation: Ground Surface 5935.4'

Total Depth: Well 14.16'

Top of Casing 5937.07'

Borehole 22.2'

Formation of Completion Colluvium

Casing Material Schedule 40 PVC

Casing Diameter 4 1/2" O.D.

Screen Material Schedule 40 10-slotted PVC

Surface Casing Diameter 8 5/8" O.D.

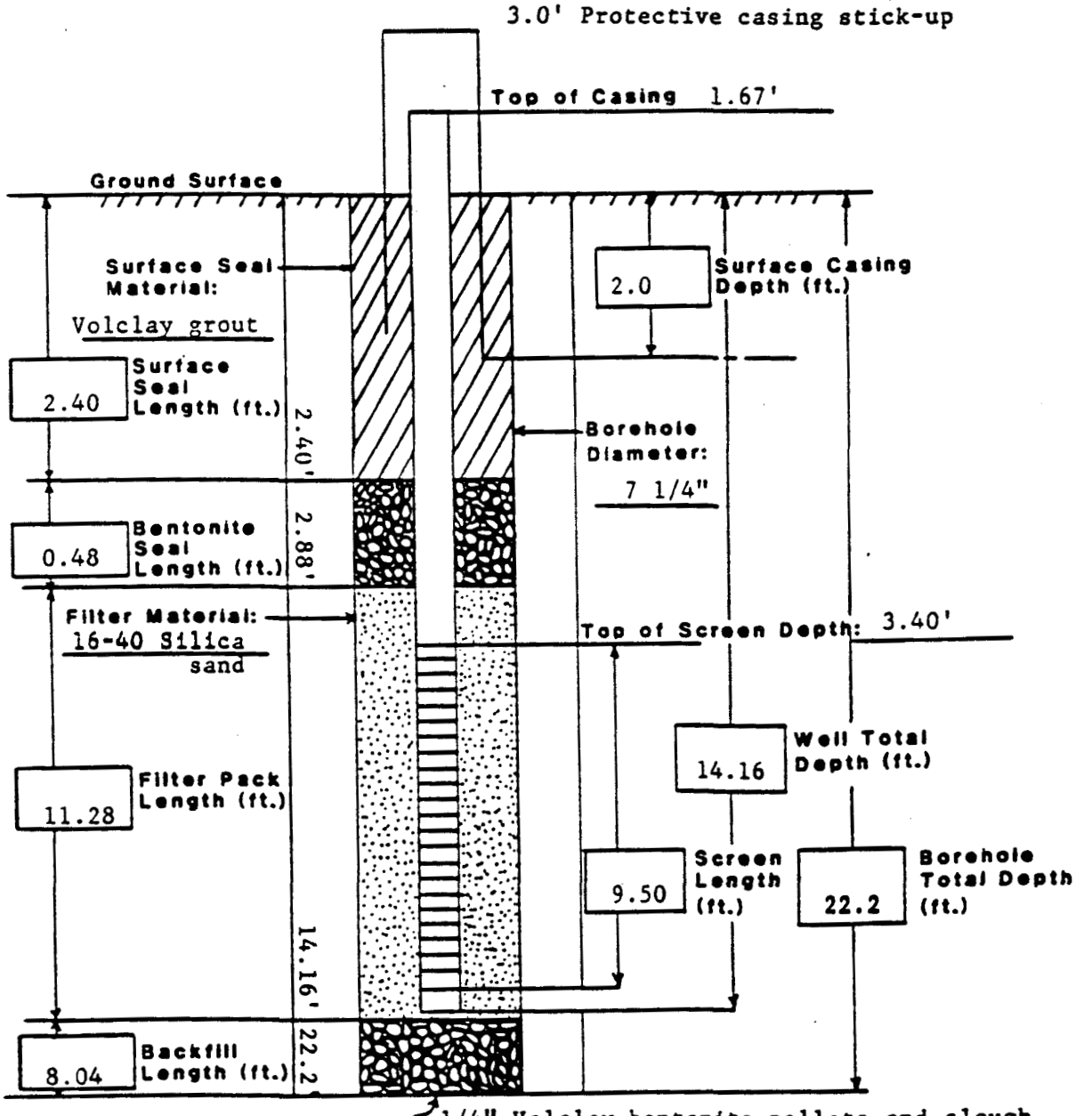
Date Installed 04/17/1989

Approved By Jarell Burman
Site Manager

Installed By K.E. Miller
Geologist

CEARP Manager

Comments Set stainless steel centralizer from 12.59' to 13.84' below ground surface



Backfill Material: 1/4" Volclay bentonite pellets and slough

WELL COMPLETION INFORMATION

QA By/Date Jarrell Burman 14-19-89

Location Rocky Flats Plant; Solar Ponds Area

Well No. B208189

Coordinates N 38149.60 E 22783.27 (RFP)

Elevation: Ground Surface 5935.40'

Total Depth: Well 27.58'

Top of Casing 5937.46'

Borehole 32.5'

Formation of Completion Weathered Claystone

Casing Material Schedule 40 PVC

Casing Diameter 4 1/2" O.D.

Screen Material Schedule 40 10-slotted PVC

Surface Casing Diameter 8 5/8" O.D.

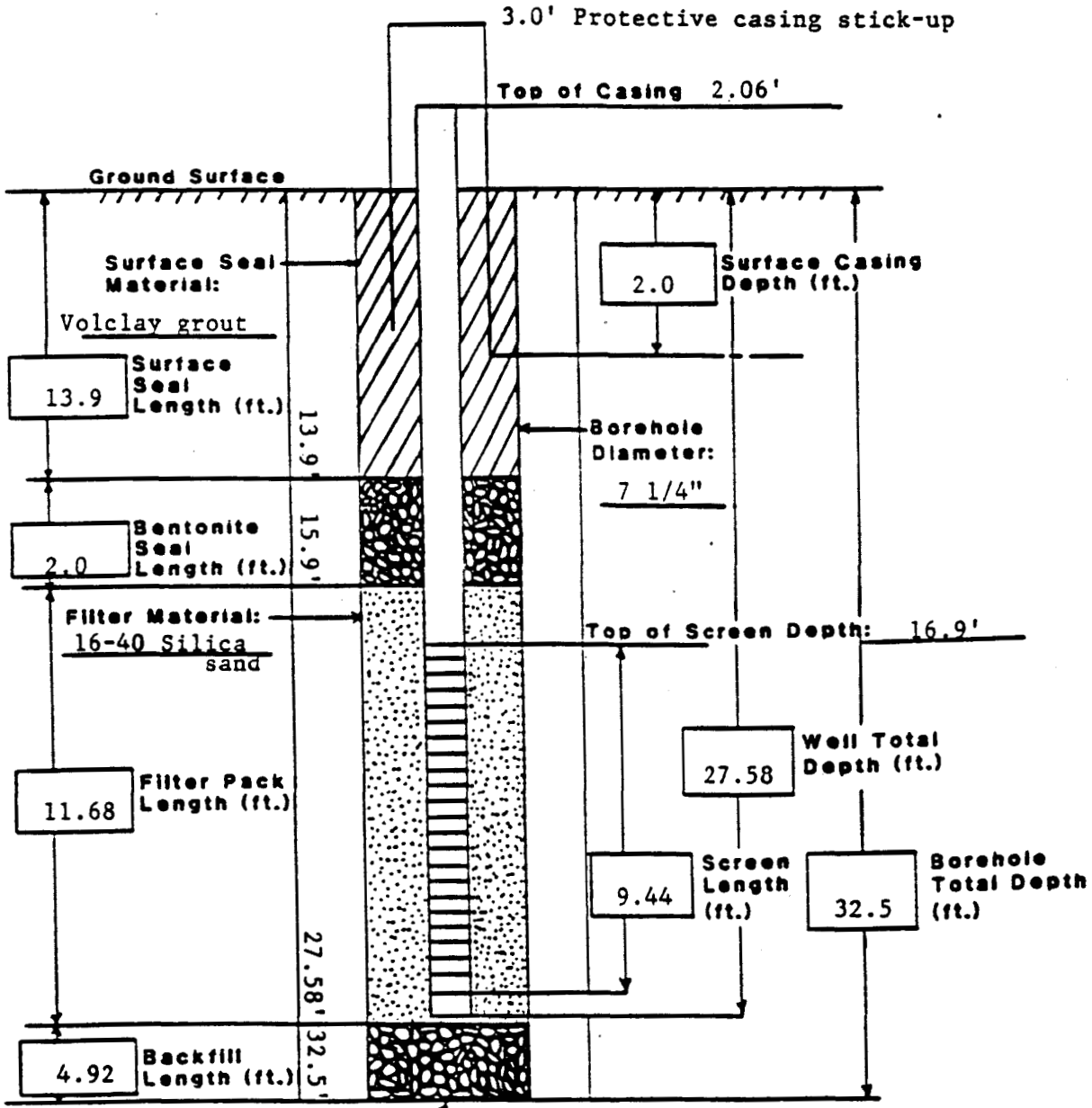
Date Installed 04/18/1989

Approved By Jarrell Burman
Site Manager

Installed By K.E. Miller
Geologist

CEARP Manager

Comments Set stainless steel centralizer from 26.12' to 27.37' below ground surface



Backfill Material: 1/4" Volclay bentonite pellets and slough

WELL COMPLETION INFORMATION

QA By/Date Jarell Burman 14-13-89

Location Rocky Flats Plant; Solar Ponds Area

Well No. B208289

Coordinates N 38748.93 E 23188.76 (RFP)

Elevation: Ground Surface 5850.7'

Total Depth: Well 16.16'

Top of Casing 5852.95'

Borehole 19.00'

Formation of Completion Weathered Claystone

Casing Material Schedule 40 PVC

Casing Diameter 4 1/2" O.D.

Screen Material Schedule 40 10-slotted PVC

Surface Casing Diameter 8 5/8" O.D.

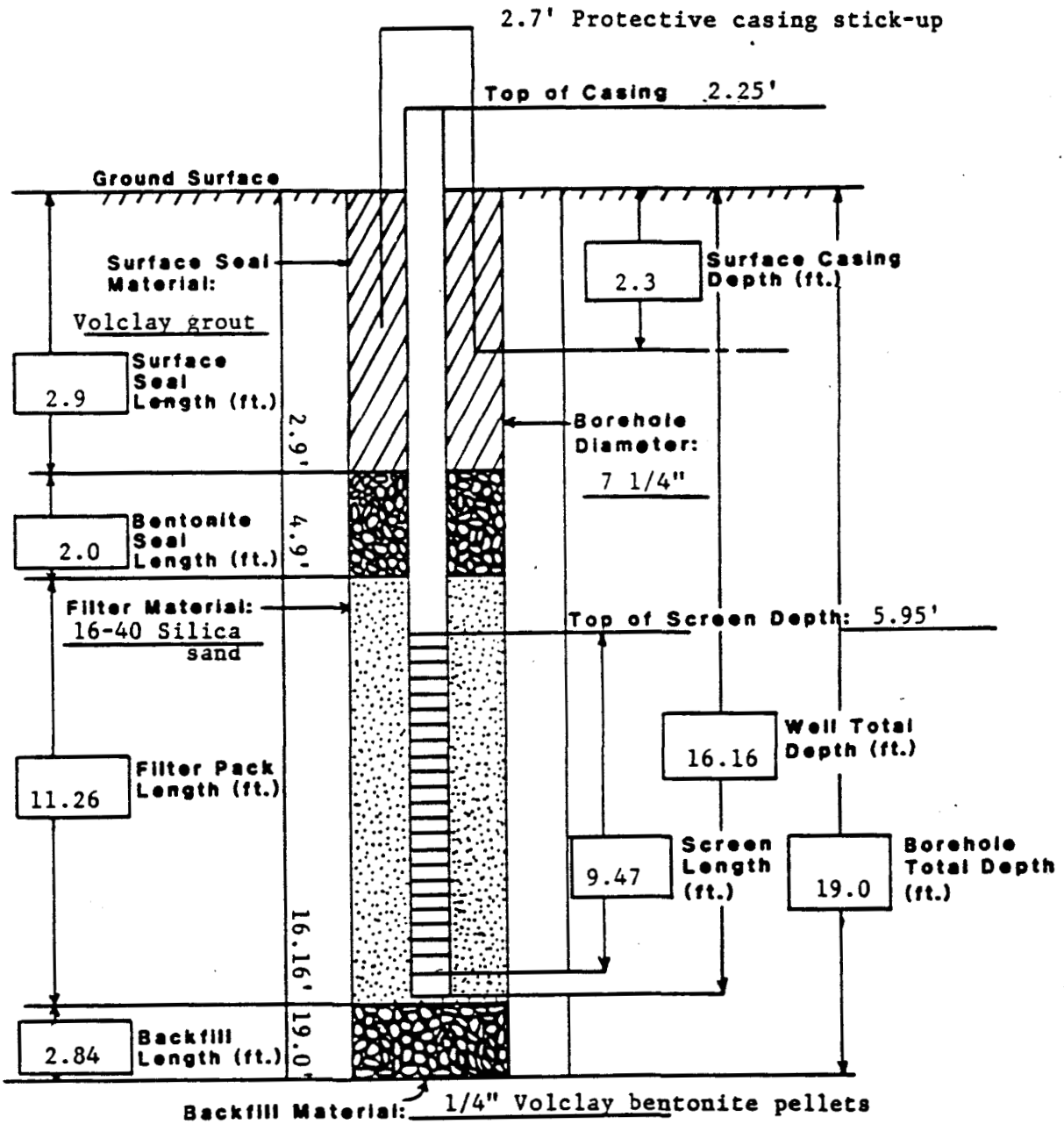
Date Installed 04/13/1989

Approved By Jarell Burman
Site Manager

Installed By K.E. Miller
Geologist

CEARP Manager

Comments Set stainless steel centralizer from 14.28' to 15.53' below ground surface



WELL COMPLETION INFORMATION

/Date Jarell Burman 11-25-89

ation Rocky Flats Plant; Solar Ponds Area

Well No. B208389

oordinates N 38699.83 E 22484.18 (RFP)

Elevation: Ground Surface 5876.80'

Total Depth: Well 9.05'

Top of Casing 5878.66'

Borehole 16.30'

Formation of Completion Colluvium

Casing Material Schedule 40 PVC

Casing Diameter 4 1/2" O.D.

Screen Material Schedule 40 10-slotted PVC

Surface Casing Diameter 8 5/8" O.D.

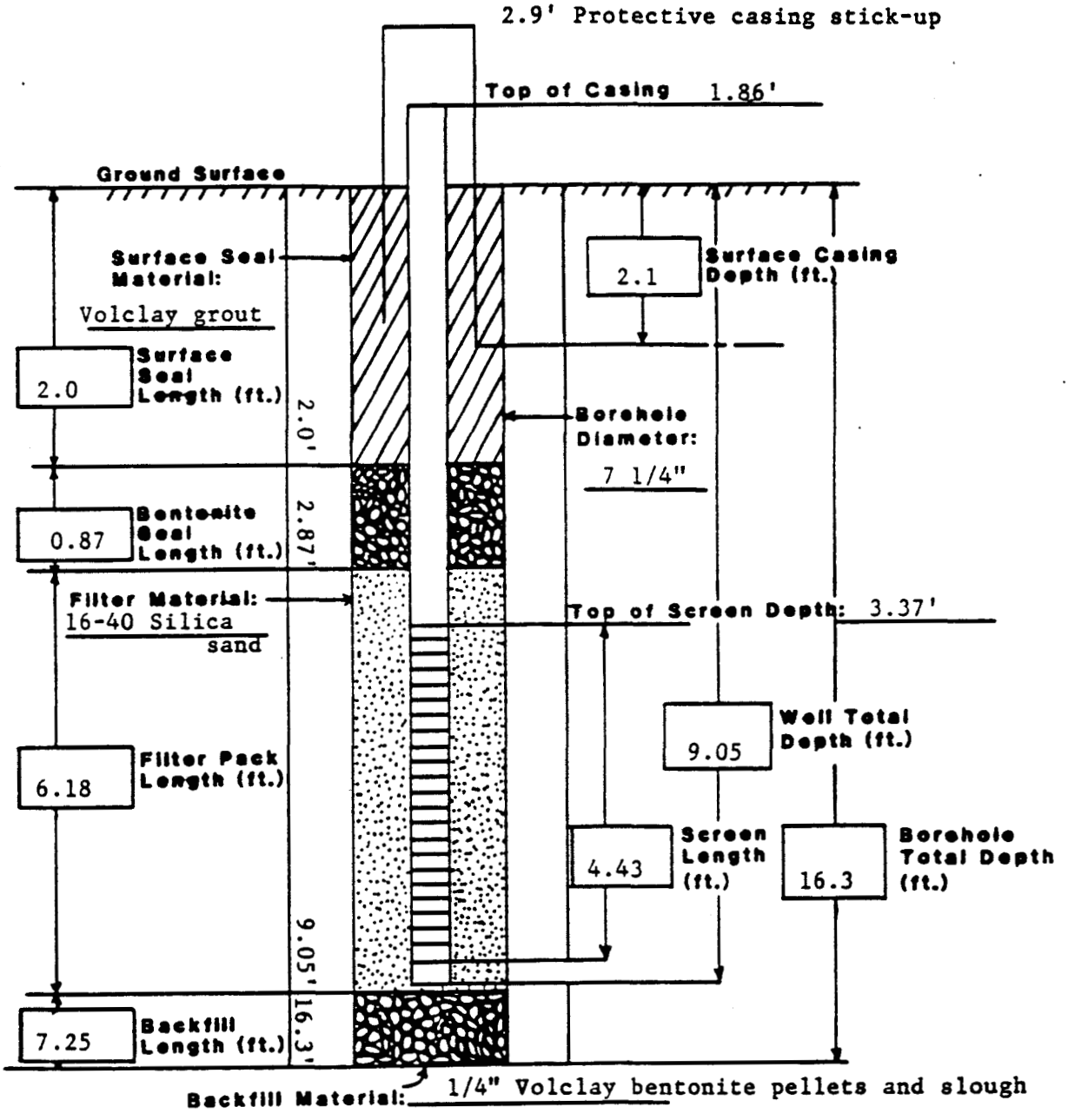
Date Installed 04/19/1989

Approved By Jarell Burman
Site Manager

Installed By K.E. Miller
Geologist

CEARP Manager

Comments Set stainless steel centralizer from 7.25' to 8.8' below ground surface



WELL COMPLETION INFORMATION

QA By/Date Janell Burman 14-17-89

Location Rocky Flats Plant; Solar Ponds Area

Well No. B208489

Coordinates N 38695.29 E 22535.71 (RFP)

Elevation: Ground Surface 5876.30'

Top of Casing 5878.34'

Total Depth: Well 30.49'

Borehole 33.2'

Formation of Completion Weathered Claystone

Casing Material Schedule 40 PVC

Casing Diameter 4 1/2" O.D.

Screen Material Schedule 40 10-slotted PVC

Surface Casing Diameter 8 5/8" O.D.

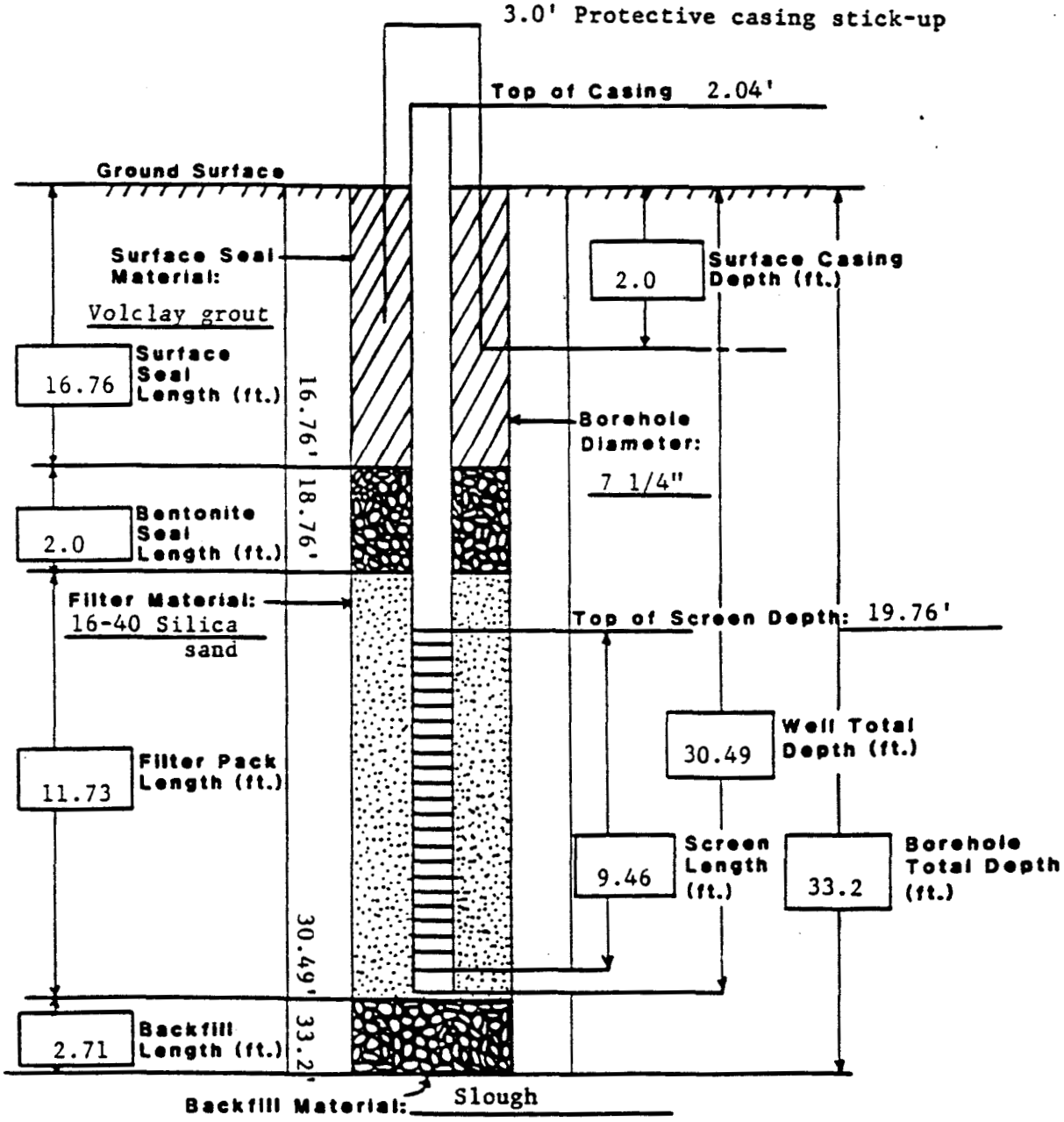
Date Installed 04/14/1989

Approved By Janell Burman
Site Manager

Installed By K.E. Miller
Geologist

CEARP Manager

Comments Set stainless steel centralizer from 29.28' tp 30.53' below ground surface



WELL COMPLETION INFORMATION

QA By/Date Janell Burpan 14-25-89

Location Rocky Flats Plant; Solar Ponds Area **Well No.** B208589

Coordinates N 38816.83 E 22377.09 (RFP) **Elevation: Ground Surface** 5856.5'

Total Depth: Well 5.07' **Top of Casing** 5858.35'

Borehole 9.6'

Formation of Completion Valley Fill Alluvium

Casing Material Schedule 40 PVC **Casing Diameter** 4 1/2" O.D.

Screen Material Schedule 40 10-slotted PVC **Surface Casing Diameter** 8 5/8" O.D.

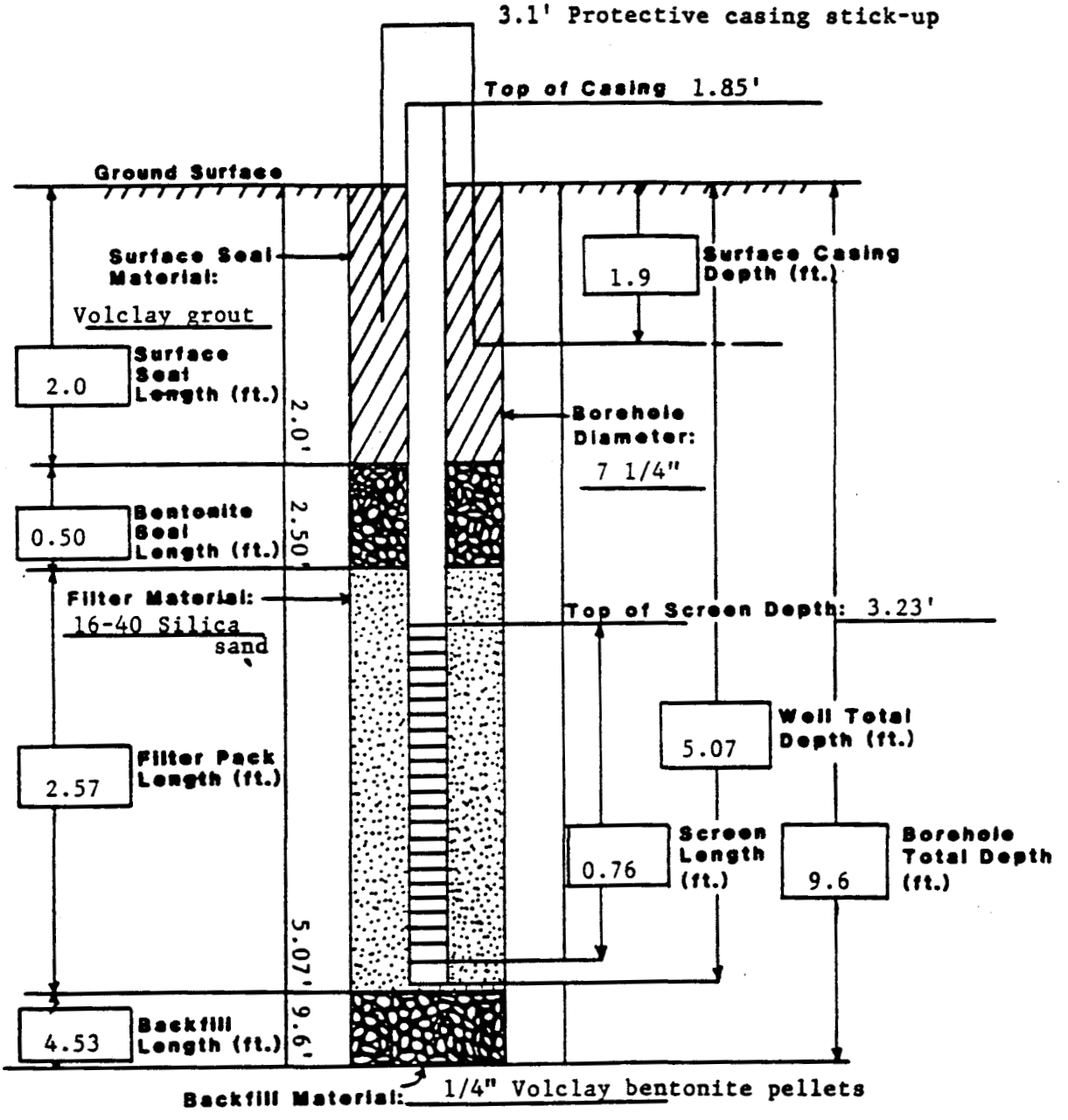
Date Installed 04/19/1989 **Approved By** Janell Burpan

Installed By K.E. Miller
Geologist

Site Manager

CEARP Manager

Comments Set stainless steel centralizer from 3.62' to 4.87' below ground surface



WELL COMPLETION INFORMATION

QA By/Date Farell Burman 14-21-89

Location Rocky Flats Plant; Solar Ponds Area

Well No. B208689

Coordinates N 38741.72 E 22149.83 (RFP)

Elevation: Ground Surface 5867.6'

Total Depth: Well 23.07'

Top of Casing 5869.60'

Borehole 28.4'

Formation of Completion Weathered Claystone

Casing Material Schedule 40 PVC

Casing Diameter 4 1/2" O.D.

Screen Material Schedule 40 10-slotted PVC

Surface Casing Diameter 8 5/8" O.D.

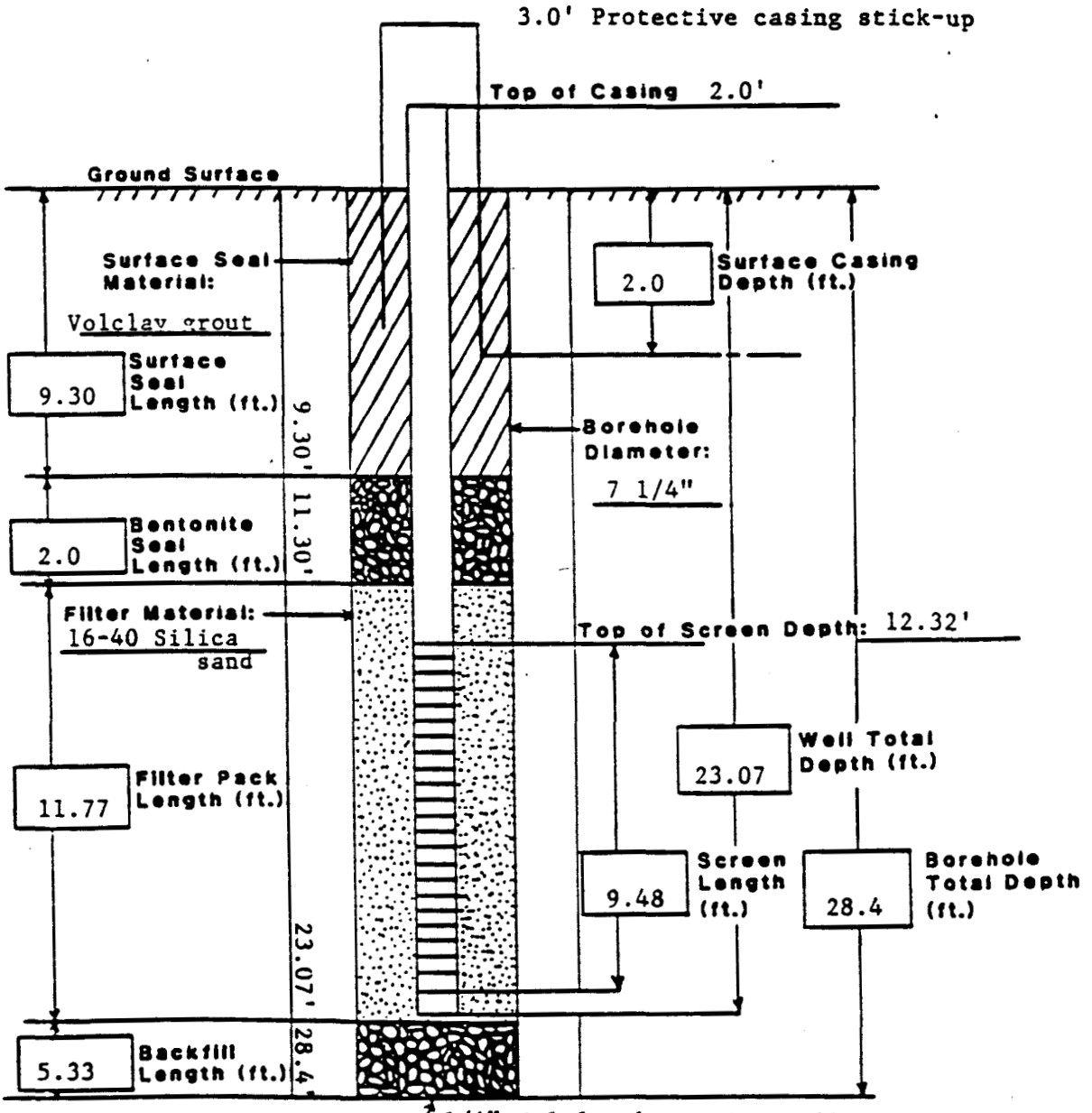
Date Installed 04/21/1989

Approved By Farell Burman
Site Manager

Installed By K.E. Miller
Geologist

CEARP Manager

Comments Set stainless steel centralizer from 21.47' to 22.72' below ground surface



Backfill Material: 1/4" Volclay bentonite pellets and slough

WELL COMPLETION INFORMATION

QA By/Date Farrell Burman 11-25-89

Location Rocky Flats Plant: Solar Ponds Area **Well No.** B208789

Coordinates N 38771.39 E 21350.22 (RFP) **Elevation: Ground Surface** 5907.1'

Total Depth: Well 12.32' **Top of Casing** 5909.03'

Borehole 14.4'

Formation of Completion Valley Fill Alluvium

Casing Material Schedule 40 PVC **Casing Diameter** 4 1/2" O.D.

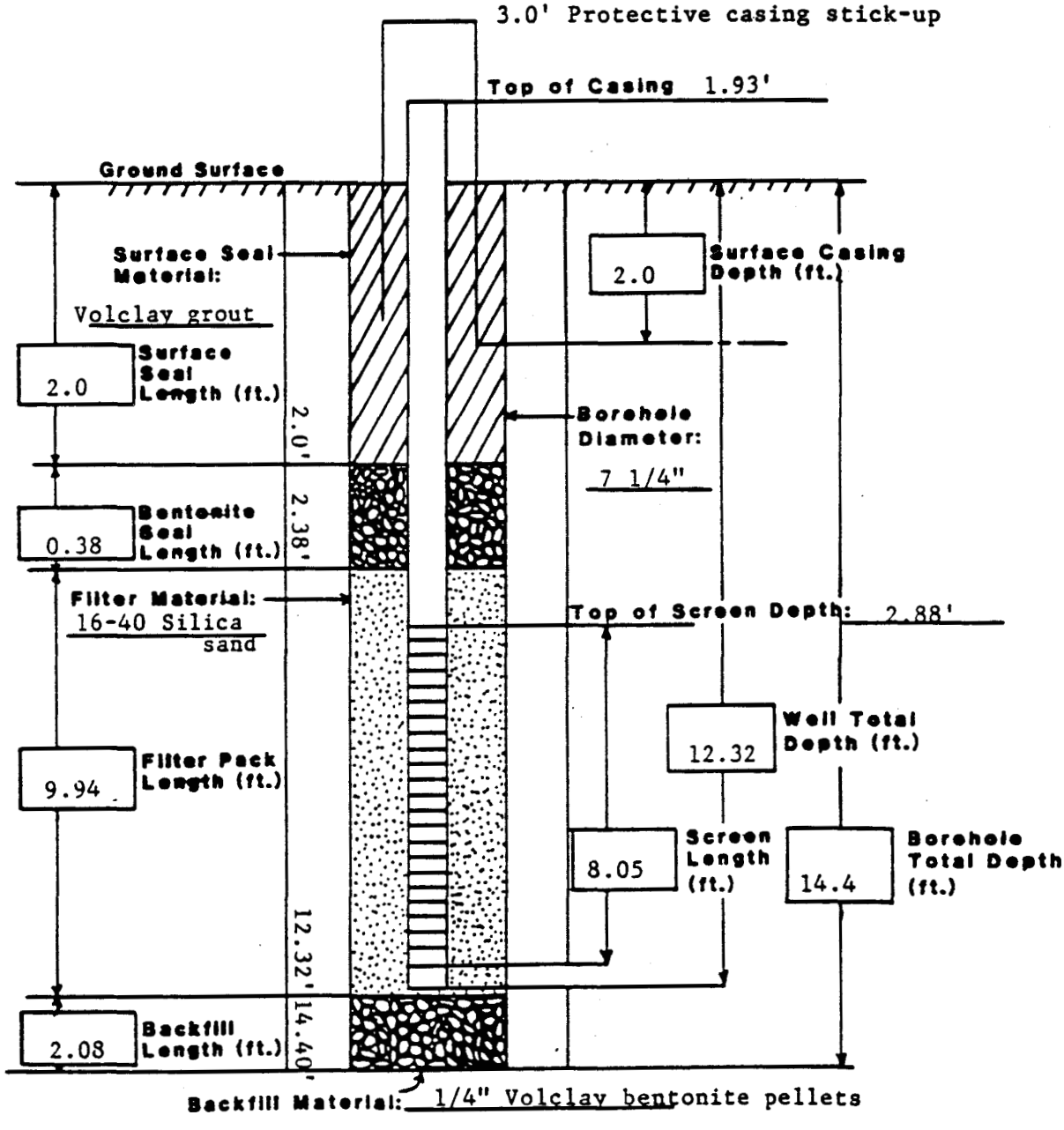
Screen Material Schedule 40 10-slotted PVC **Surface Casing Diameter** 8 5/8" O.D.

Date Installed 04/24/1989 **Approved By** Farrell Burman

Installed By K.E. Miller, Geologist — Site Manager

CEARP Manager

Comments Set stainless steel centralizer from 10.12' to 12.17' below ground surface



WELL COMPLETION INFORMATION

QA By/Date Farell Burman 10-29-89

Location Rocky Flats Plant; Solar Ponds Area

Well No. P208889

Coordinates N 38099.65 E 22146.42 (RFP)

Elevation: Ground Surface 5947.30'

Total Depth: Well 99.16'

Top of Casing 5949.25'

Borehole 105.7'

Formation of Completion Unweathered Sandstone

Casing Material Schedule 80 PVC

Casing Diameter 2 3/8" O.D.

Screen Material Schedule 80 10-slotted PVC

Surface Casing Diameter 5 5/8" O.D.

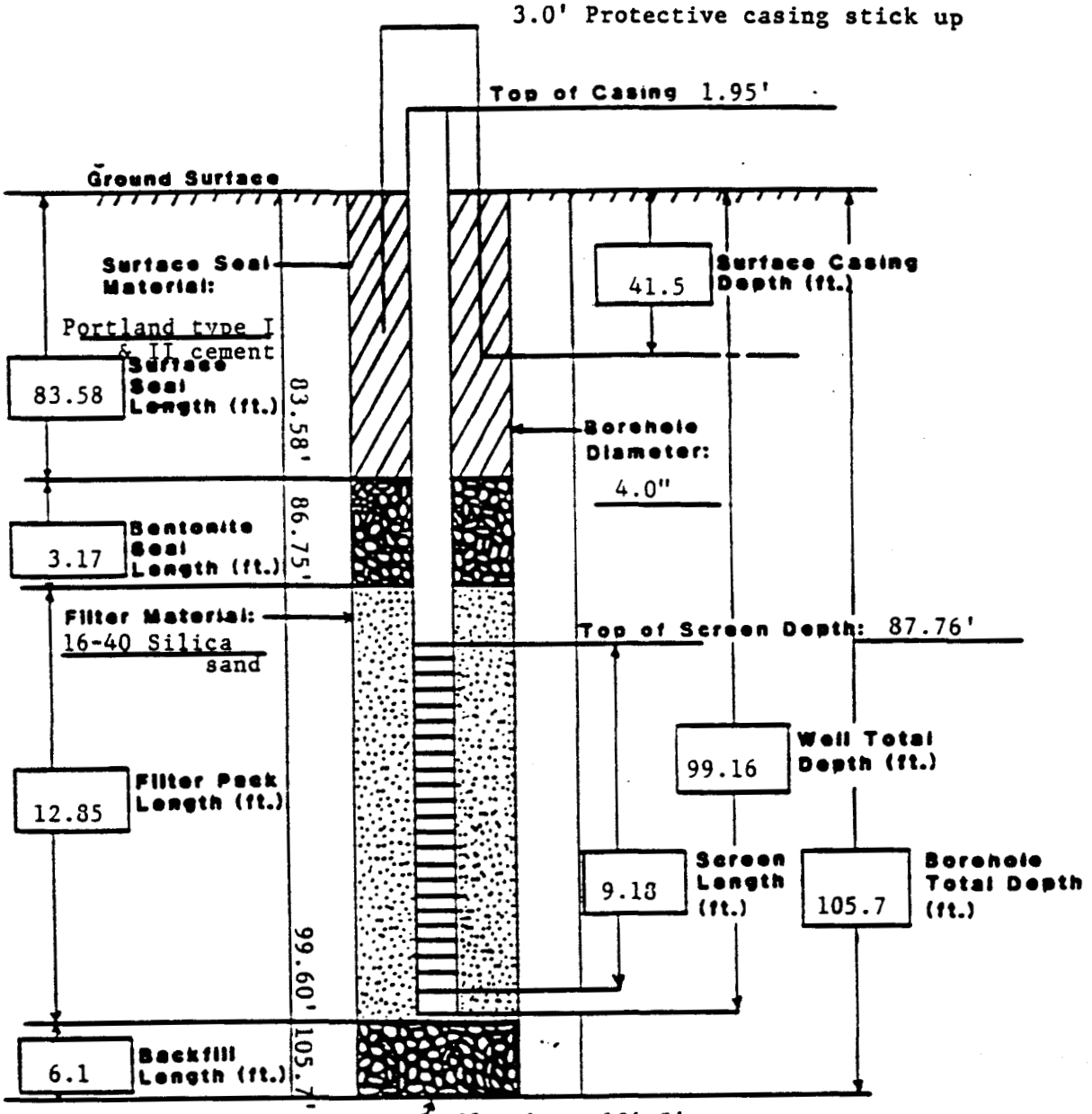
Date Installed 06/26/1989

Approved By Farell Burman
Site Manager

Installed By H.G. Bienkowski
Geologist

CEARP Manager

Comments Surface casing set to 41.5' below ground surface by K.E. Miller on 05/10/1989. No centralizer used. Well constructed inside drill rods.



Backfill Material: Slough to 104.5';
1/4" Volclay bentonite pellets 104.5' to 99.60'

WELL COMPLETION INFORMATION

QA By/Date Farrell Burman 15-15-89

Location Rocky Flats Plant;Solar Ponds Area

Well No. P208989

Coordinates N 38058.90 E 21736.17 (RFP)

Elevation: Ground Surface 5962.53'

Total Depth: Well 26.12'

Top of Casing 5964.56'

Borehole 28.6'

Formation of Completion Weathered Sandstone

Casing Material Schedule 40 PVC

Casing Diameter 4 1/2" O.D.

Screen Material Schedule 40 10-slotted PVC

Surface Casing Diameter 8 5/8" O.D.

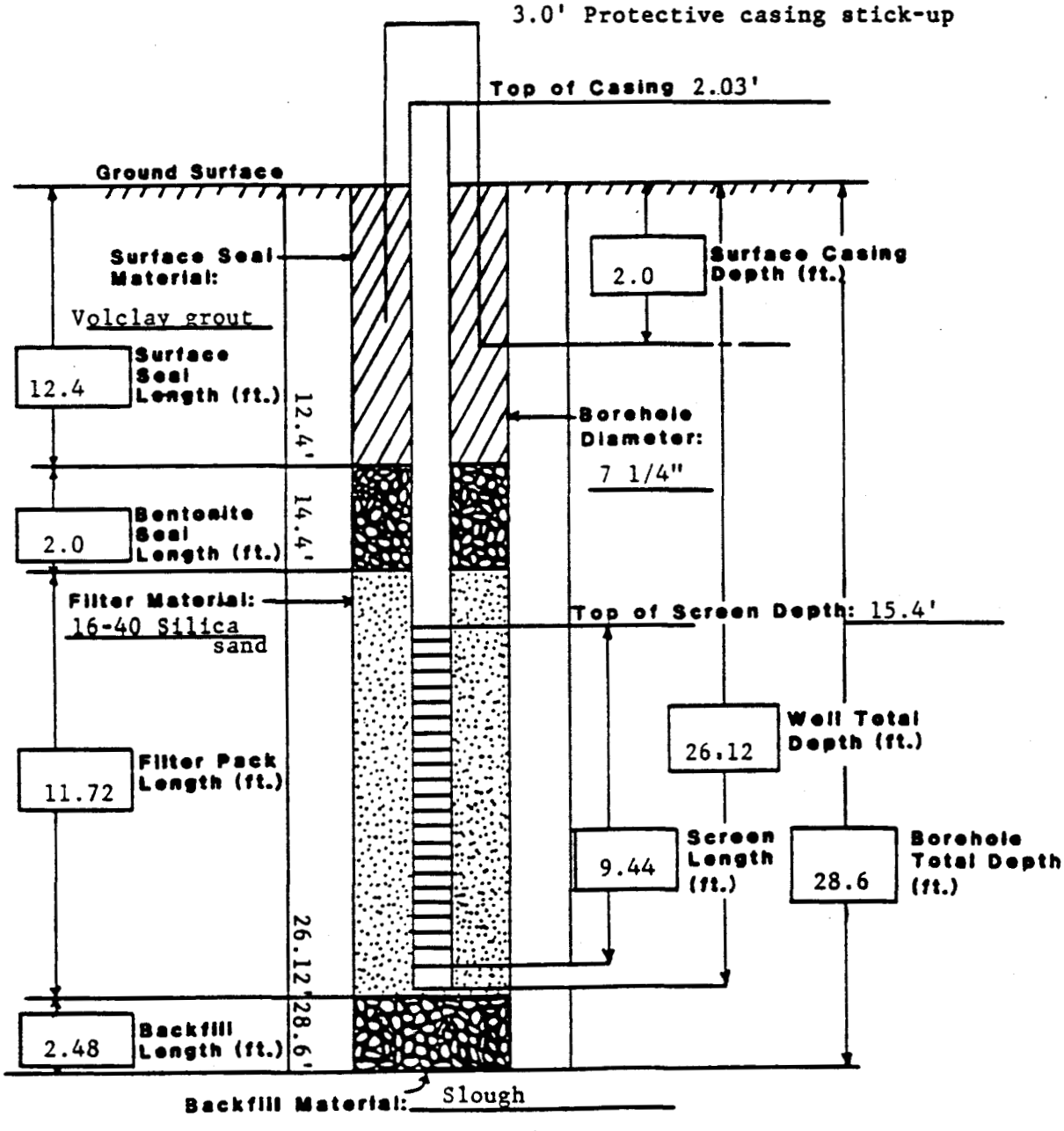
Date Installed 05/12/1989

Approved By Farrell Burman
Site Manager

Installed By K.E. Miller
Geologist

CEARP Manager

Comments Set stainless steel centralizer from 24.67' to 25.92' below ground surface.



COMPLETION INFORMATION

QA By/Date Jarell Burnas 15-19-89

Location Rocky Flats Plant; Solar Ponds Area **Well No.** P209089

Coordinates N 37580.29 E 21806.82 (RFP) **Elevation: Ground Surface** 5972.16'

Total Depth: Well 27.21' **Top of Casing** 5974.25'

Borehole 31.5'

Formation of Completion Weathered Claystone

Casing Material Schedule 40 PVC **Casing Diameter** 4 1/2" O.D.

Screen Material Schedule 40 10-slotted PVC **Surface Casing Diameter** 8 5/8" O.D.

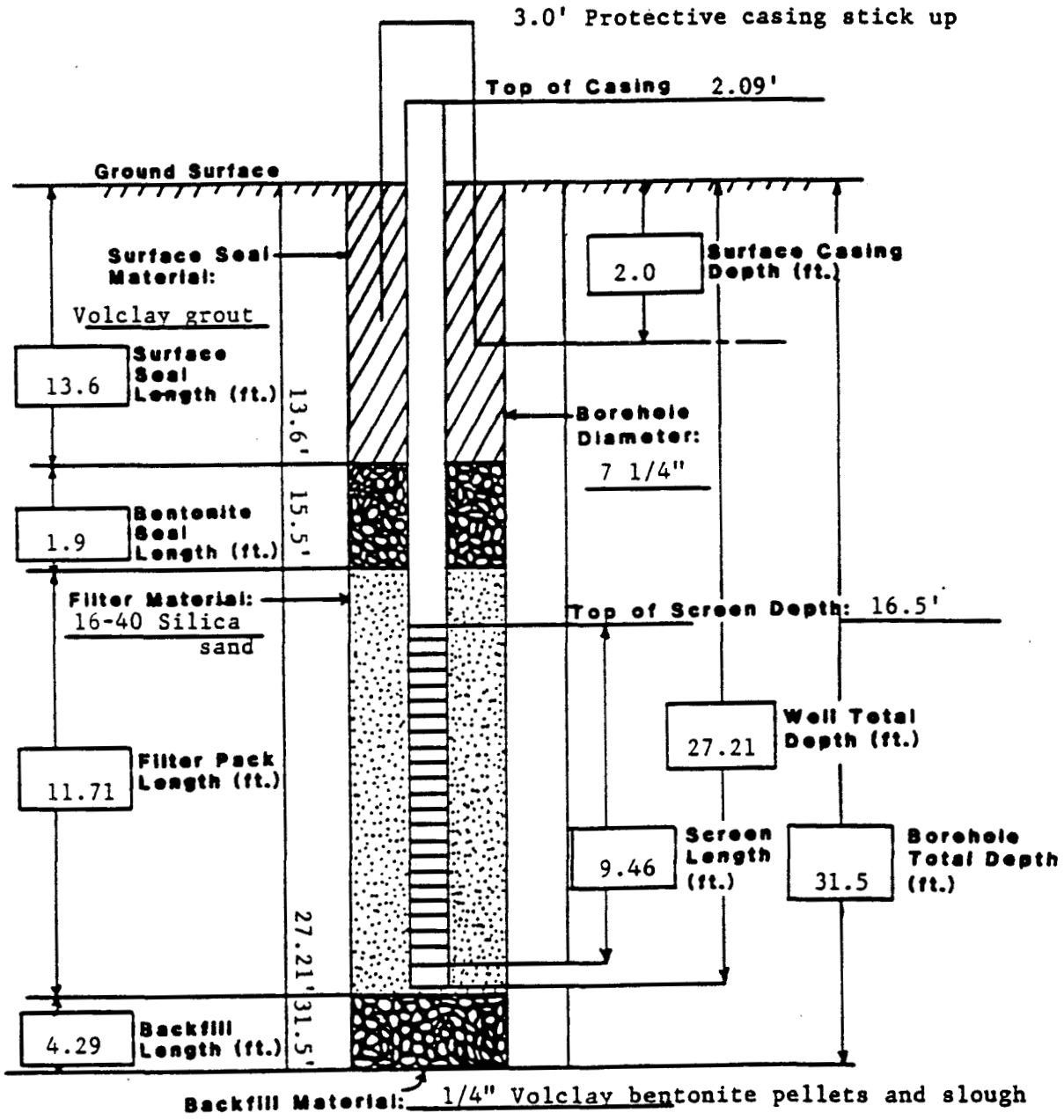
Date Installed 05/17/1989 **Approved By** Jarell Burnas

Installed By K.E. Miller
Geologist

Site Manager

CEARP Manager

Comments Set stainless steel centralizer from 25.75' to 27.0' below ground surface.



WELL COMPLETION INFORMATION

QA By/Date Jarell Burman 10-5-89

Location Rocky Flats Plant; Solar Ponds Area **Well No.** P209189

Coordinates N 37778.78 E 21206.43 (RFP) **Elevation: Ground Surface** 5980.66'

Total Depth: Well 36.08' **Top of Casing** 5982.21'

Borehole 38.3'

Formation of Completion Weathered Sandstone

Casing Material Schedule 40 PVC **Casing Diameter** 4 1/2" O.D.

Screen Material Schedule 40 10-slotted PVC **Surface Casing Diameter** 8 5/8" O.D.

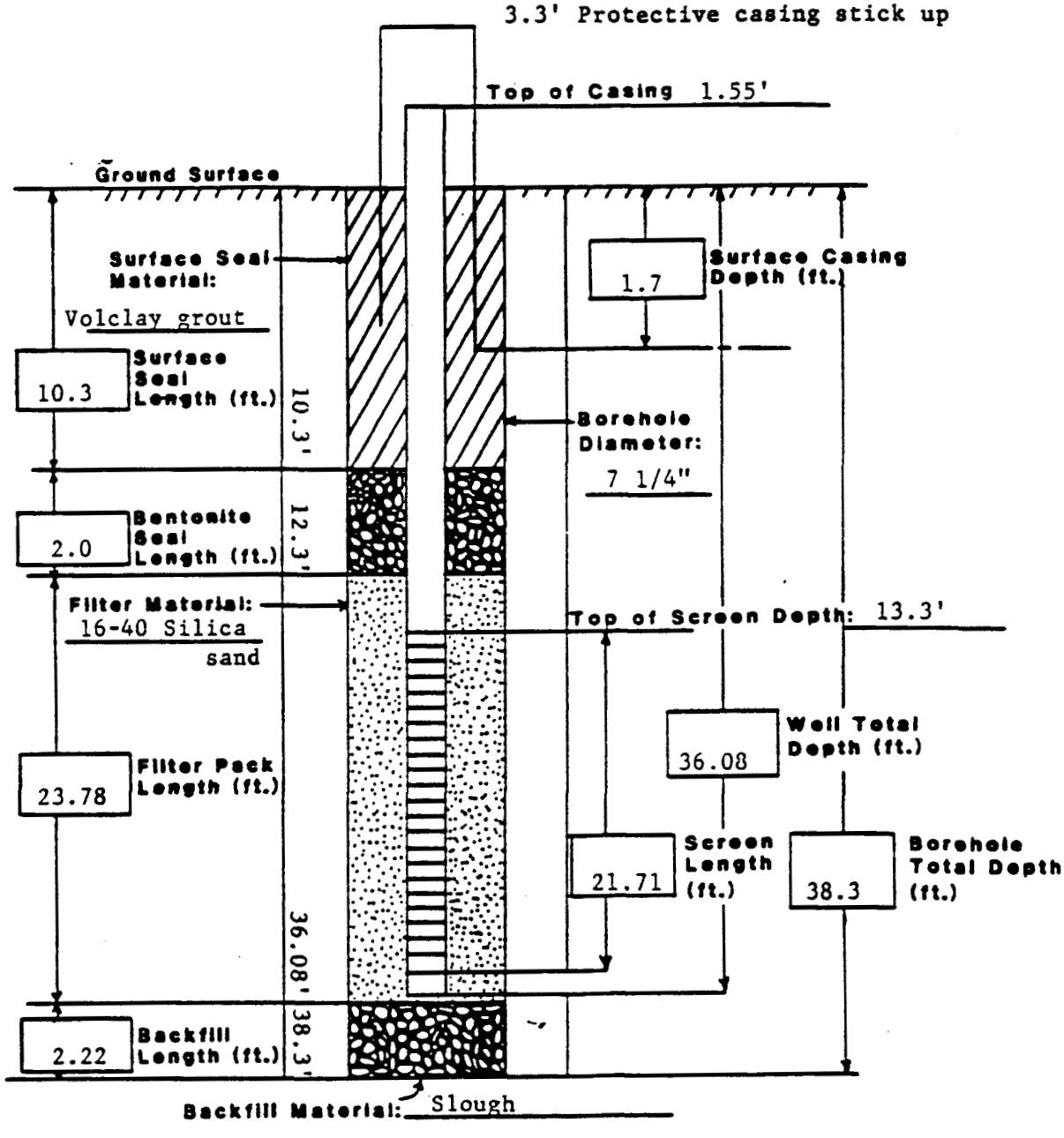
Date Installed 05/25/1989 **Approved By** Jarell Burman

Installed By R.A. Chapuis
Geologist

Site Manager

CEARP Manager

Comments Set stainless steel centralizer from 35.78' to 34.58' below ground surface.



COMPLETION INFORMATION

QA By/Date Jarell Burman 16-9-89

Location Rocky Flats Plant; Solar Ponds Area

Well No. P209289

Coordinates N 37380.23 E 21036.04 (RFP)

Elevation: Ground Surface 5981.39'

Total Depth: Well 13.4'

Top of Casing 5983.42'

Borehole 17.8'

Formation of Completion Rocky Flats Alluvium

Casing Material Schedule 40 PVC

Casing Diameter 4 1/2" O.D.

Screen Material Schedule 40 10-slotted PVC

Surface Casing Diameter 8 5/8" O.D.

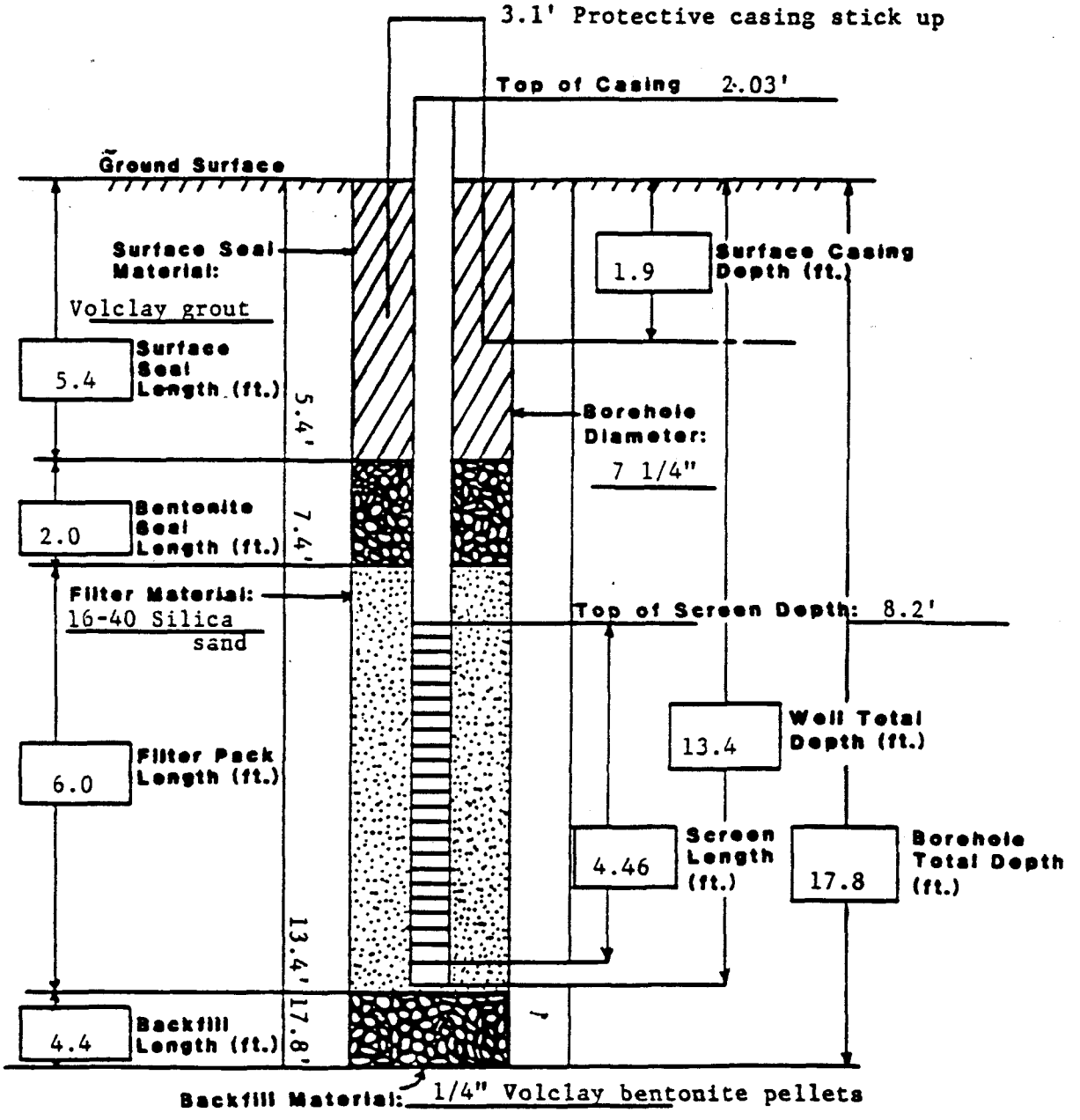
Date Installed 06/08/1989

Approved By Jarell Burman
Site Manager

Installed By K.E. Miller
Geologist

CEARP Manager

Comments Set stainless steel centralizer from 12.2' to 13.4' below ground surface.



COMPLETION INFORMATION

QA By/Date Jarell Burman / 6-8-89

Location Rocky Flats Plant; Solar Ponds Area **Well No.** P209389

Coordinates N 37881.34 E 21026.45 (RFP) **Elevation: Ground Surface** 5981.47'

Total Depth: Well 30.05' **Top of Casing** 5983.39'

Borehole 34.2'

Formation of Completion Weathered Sandstone

Casing Material Schedule 40 PVC **Casing Diameter** 4 1/2" O.D.

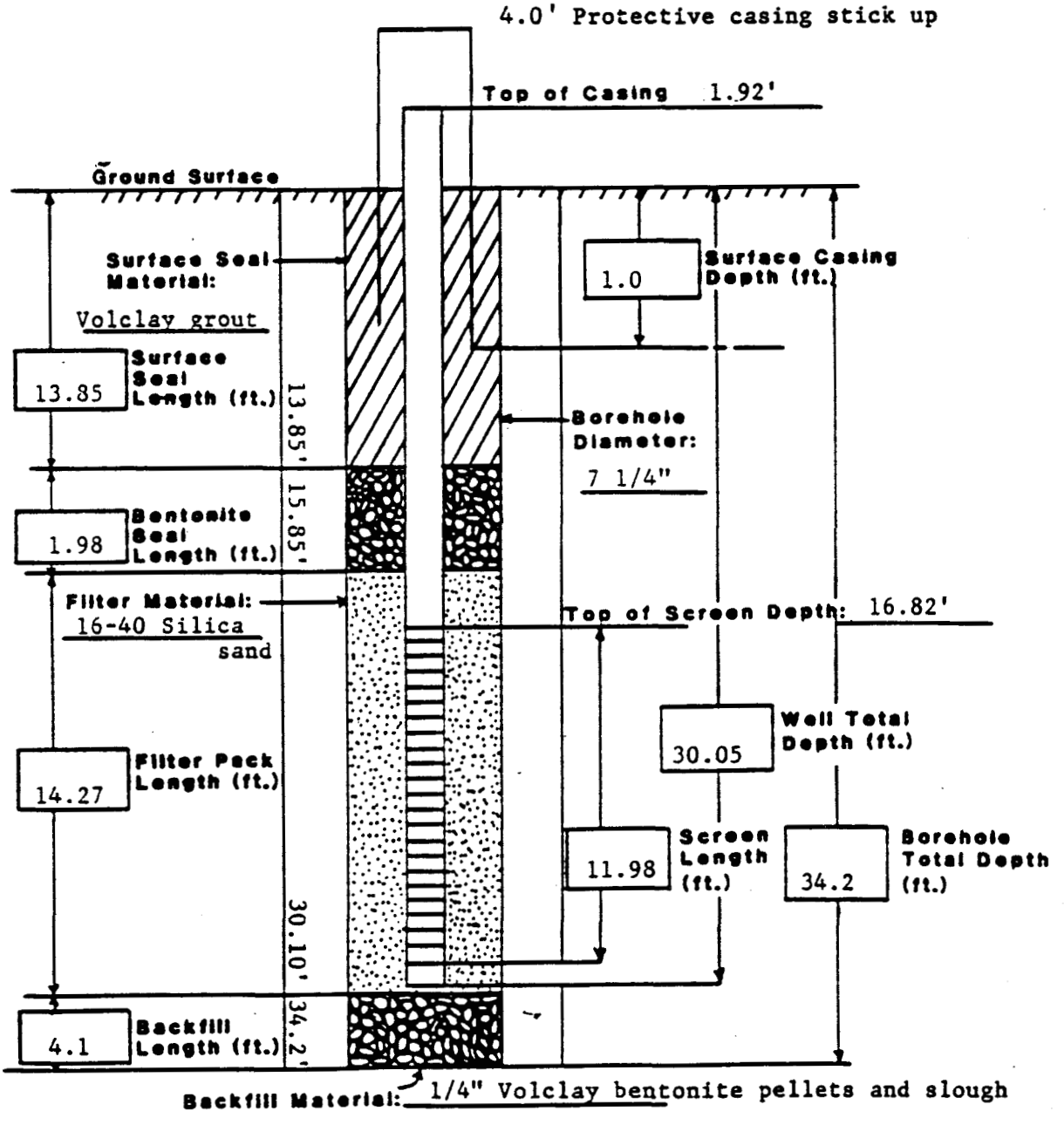
Screen Material Schedule 40 10-slotted PVC **Surface Casing Diameter** 8 5/8" O.D.

Date Installed 06/07/1989 **Approved By** Jarell Burman

Installed By R.A. Chapuis, Geologist — Site Manager

CEARP Manager

Comments No centralizer used.



COMPLETION INFORMATION

QA By/Date Jarell Burman 1-5-7-89

Location Rocky Flats Plant; Solar Ponds Area **Well No.** P209489

Coordinates N 38007.03 E 21531.26 (RFP) **Elevation: Ground Surface** 5977.98'

Total Depth: Well 36.25' **Top of Casing** 5980.10'

Borehole 48.0'

Formation of Completion Weathered Sandstone

Casing Material Schedule 40 PVC **Casing Diameter** 4 1/2" O.D.

Screen Material Schedule 40 10-slotted PVC **Surface Casing Diameter** 8 5/8" O.D.

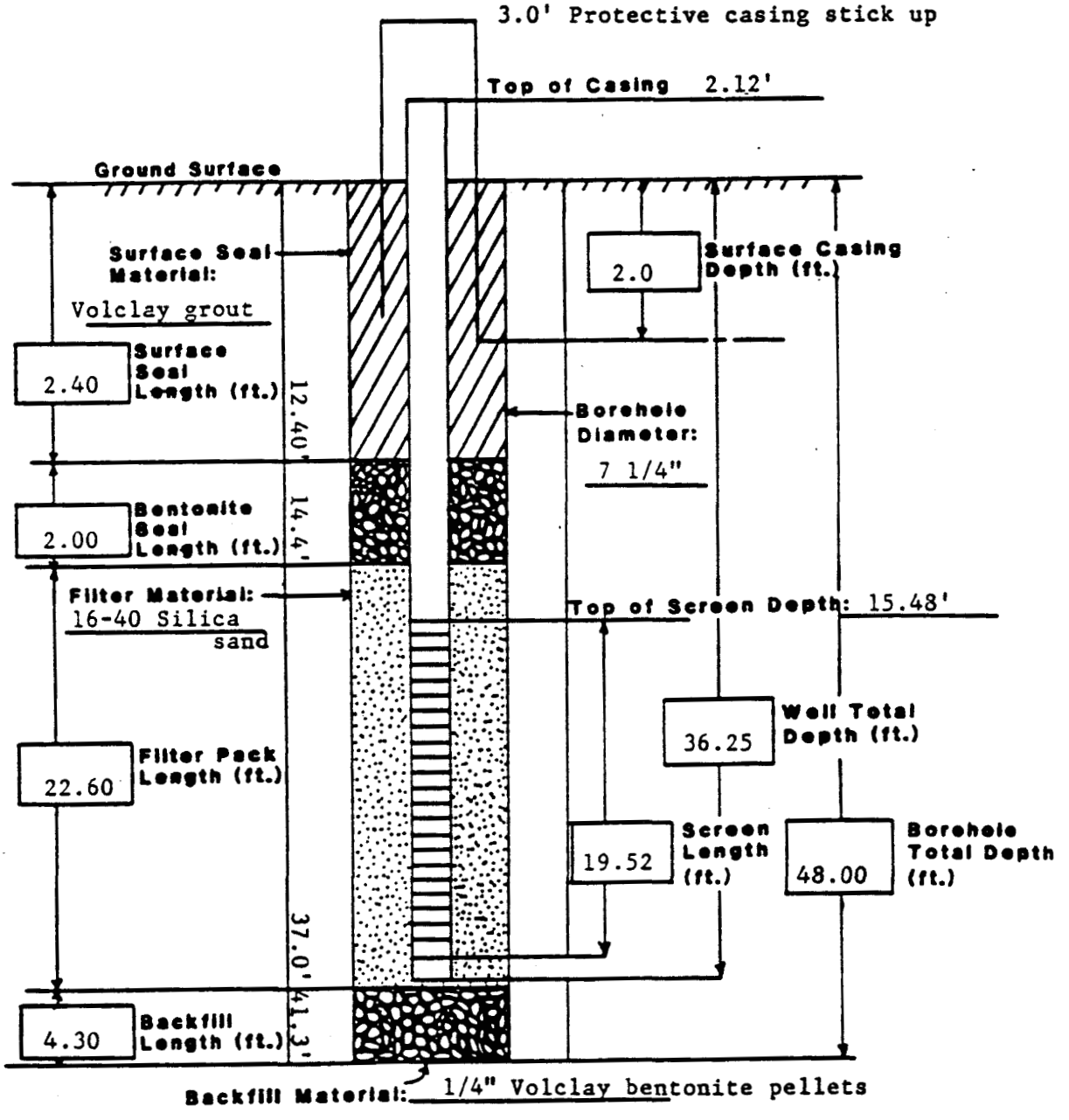
Date Installed 05/16 & 05/17/1989 **Approved By** Jarell Burman

Installed By R.T. Treat
Geologist

Site Manager

CEARP Manager

Comments Set stainless steel centralizer from 36.00' to 34.76' below ground surface.



COMPLETION INFORMATION

QA By/Date Farrell Burman 15-12-89

Location Rocky Flats Plant: Solar Ponds Area **Well No.** P209589

Coordinates N 38084.38 E 22183.90 (RFP) **Elevation: Ground Surface** 5948.17'

Total Depth: Well 19.77' **Top of Casing** 5950.04'

Borehole 30.3'

Formation of Completion Weathered Claystone

Casing Material Schedule 40 PVC **Casing Diameter** 4 1/2" O.D.

Screen Material Schedule 40 10-slotted PVC **Surface Casing Diameter** 8 5/8" O.D.

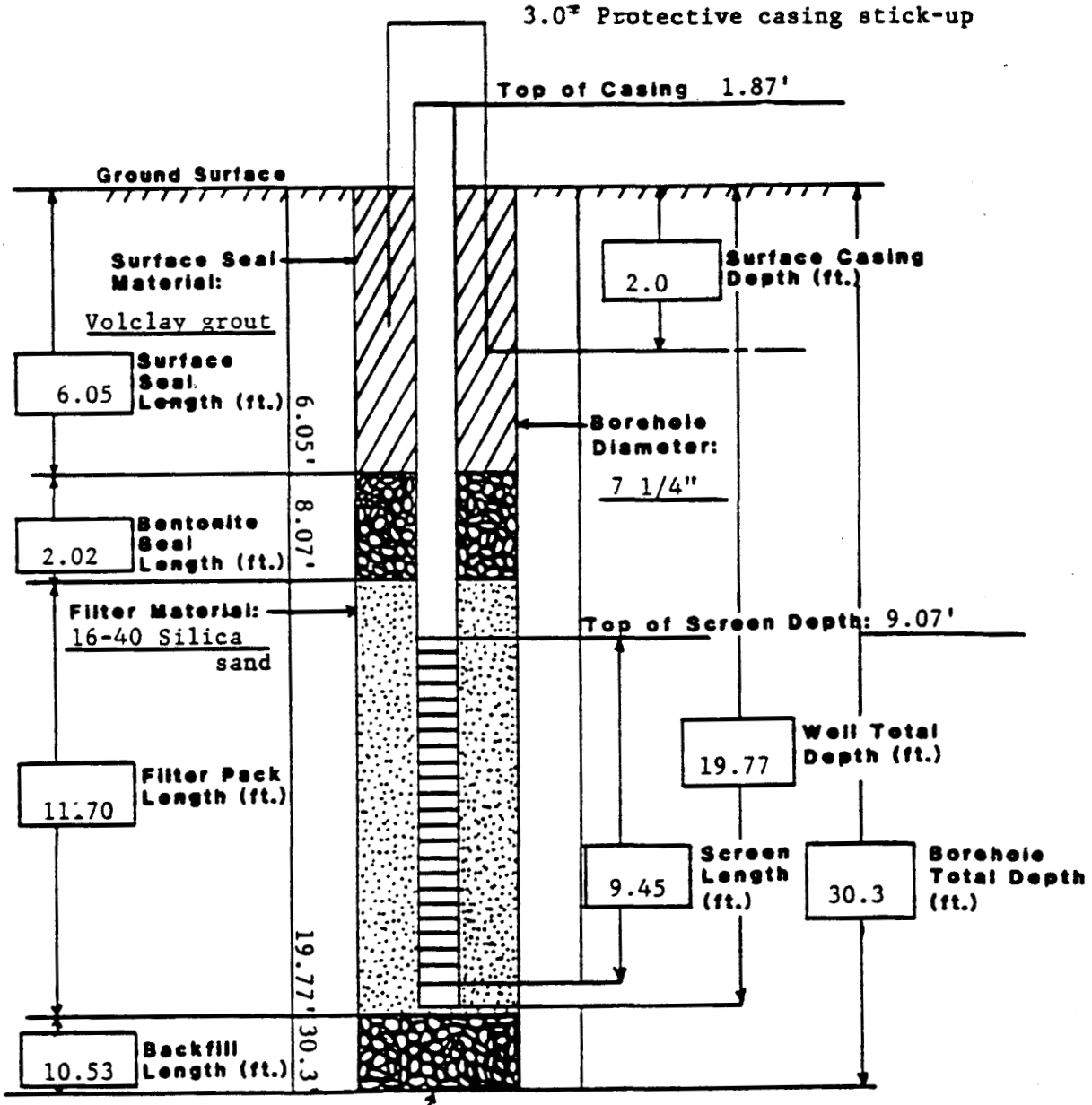
Date Installed 05/11/1989 **Approved By** Farrell Burman

Installed By K.E. Miller
Geologist

Site Manager

CEARP Manager

Comments Set stainless steel centralizer from 18.32' to 19.57' below ground surface.



Backfill Material: 1/4" Volclay bentonite pellets and slough

COMPLETION INFORMATION

QA By/Date *[illegible] 15-8-89*

Location Rocky Flats Plant; Solar Ponds Area

Well No. P209689

Coordinates N 37546.03 E 22409.68 (RFP)

Elevation: Ground Surface 5962.63'

Top of Casing 5964.43'

Total Depth: Well 27.93'

Borehole 30.2'

Formation of Completion Weathered Claystone

Casing Material Schedule 40 PVC

Casing Diameter 4 1/2" O.D.

Screen Material Schedule 40 10-slotted PVC

Surface Casing Diameter 8 5/8" O.D.

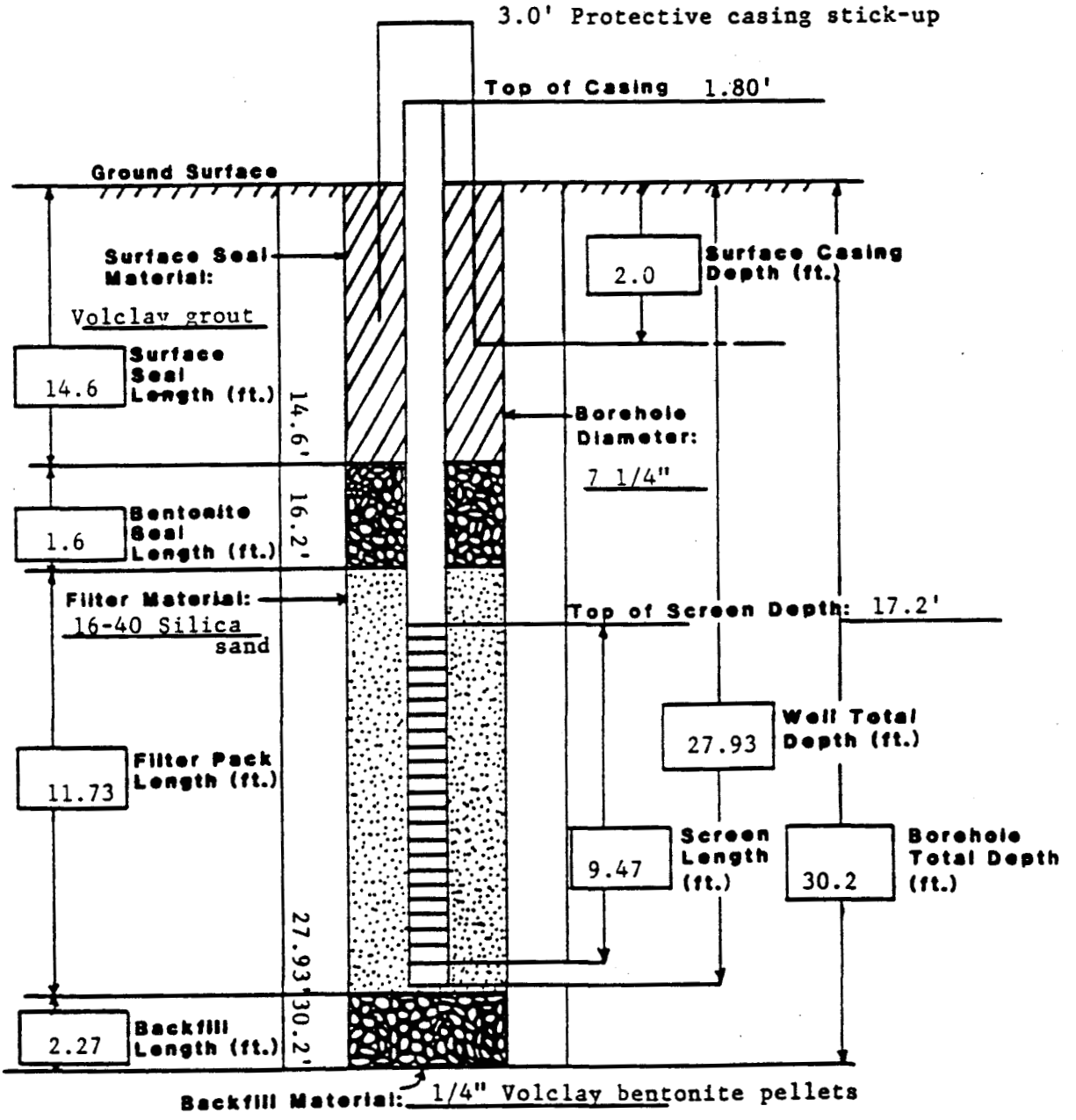
Date Installed 05/03/1989

Approved By *[illegible]*
Site Manager

Installed By K.E. Miller
Geologist

CEARP Manager

Comments Set stainless steel centralizer from 26.33' to 27.53' below ground surface.



COMPLETION INFORMATION

QA By/Date Janell Burman 5-8-89

Location Rocky Flats Plant; Solar Ponds Area **Well No.** P209789

Coordinates N 37591.43 E 22377.11 (RFP) **Elevation: Ground Surface** 5962.82'

Total Depth: Well 13.75' **Top of Casing** 5964.94'

Borehole 17.5'

Formation of Completion Rocky Flats Alluvium

Casing Material Schedule 40 PVC **Casing Diameter** 4 1/2" O.D.

Screen Material Schedule 40 10-slotted PVC **Surface Casing Diameter** 8 5/8" O.D.

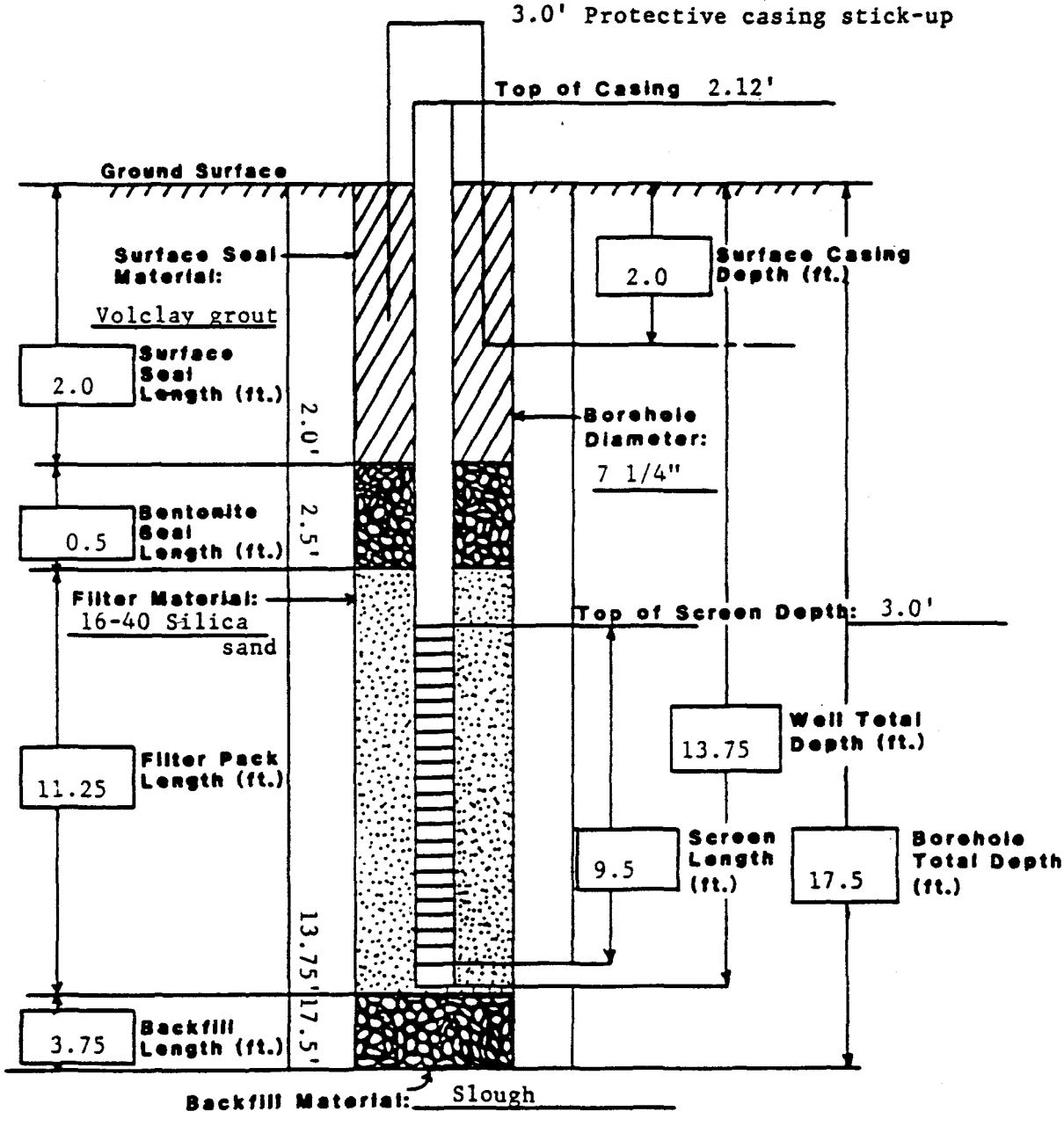
Date Installed 05/04/1989 **Approved By** Janell Burman

Installed By K.E. Miller
Geologist

Site Manager

CEARP Manager

Comments Set stainless steel centralizer from 12.3' to 13.55' below ground surface.



WELL COMPLETION INFORMATION

QA By/Date Farrell Burman 15-12-89

Location Rocky Flats Plant; Solar Ponds Area

Well No. P209889

Coordinates N 38208.53 E 21382.16 (RFP)

Elevation: Ground Surface 5940.28'

Total Depth: Well 19.63'

Top of Casing 5942.40'

Borehole 23.9'

Formation of Completion Weathered Claystone

Casing Material Schedule 40 PVC

Casing Diameter 4 1/2" O.D.

Screen Material Schedule 40 10-slotted PVC

Surface Casing Diameter 8 5/8" O.D.

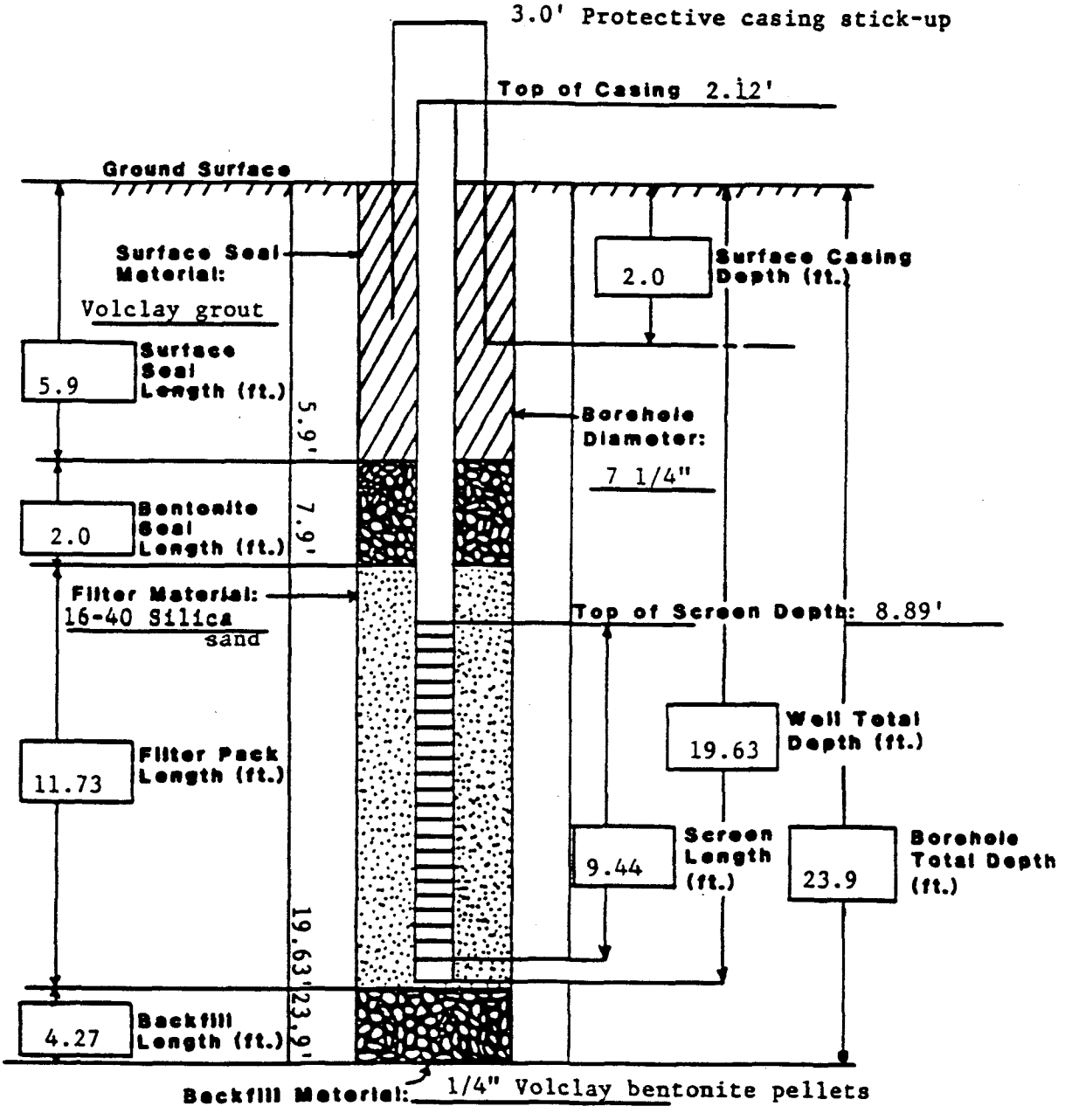
Date Installed 05/11/1989

Approved By Farrell Burman
Site Manager

Installed By K.E. Miller
Geologist

CEARP Manager

Comments Set stainless steel centralizer from 18.18' to 19.43' below ground surface.



WELL COMPLETION INFORMATION

QA By/Date Jarell Burgan 11-26-89

Location Rocky Flats Plant: Solar Ponds Area

Well No. P209989

Coordinates N 38580.65 E 21547.81 (RFP)

Elevation: Ground Surface 5898.1'

Top of Casing 5900.40'

Total Depth: Well 9.58'

Borehole 12.0'

Formation of Completion Colluvium

Casing Material Schedule 40 PVC

Casing Diameter 4 1/2" O.D.

Screen Material Schedule 40 10-slotted PVC

Surface Casing Diameter 8 5/8" O.D.

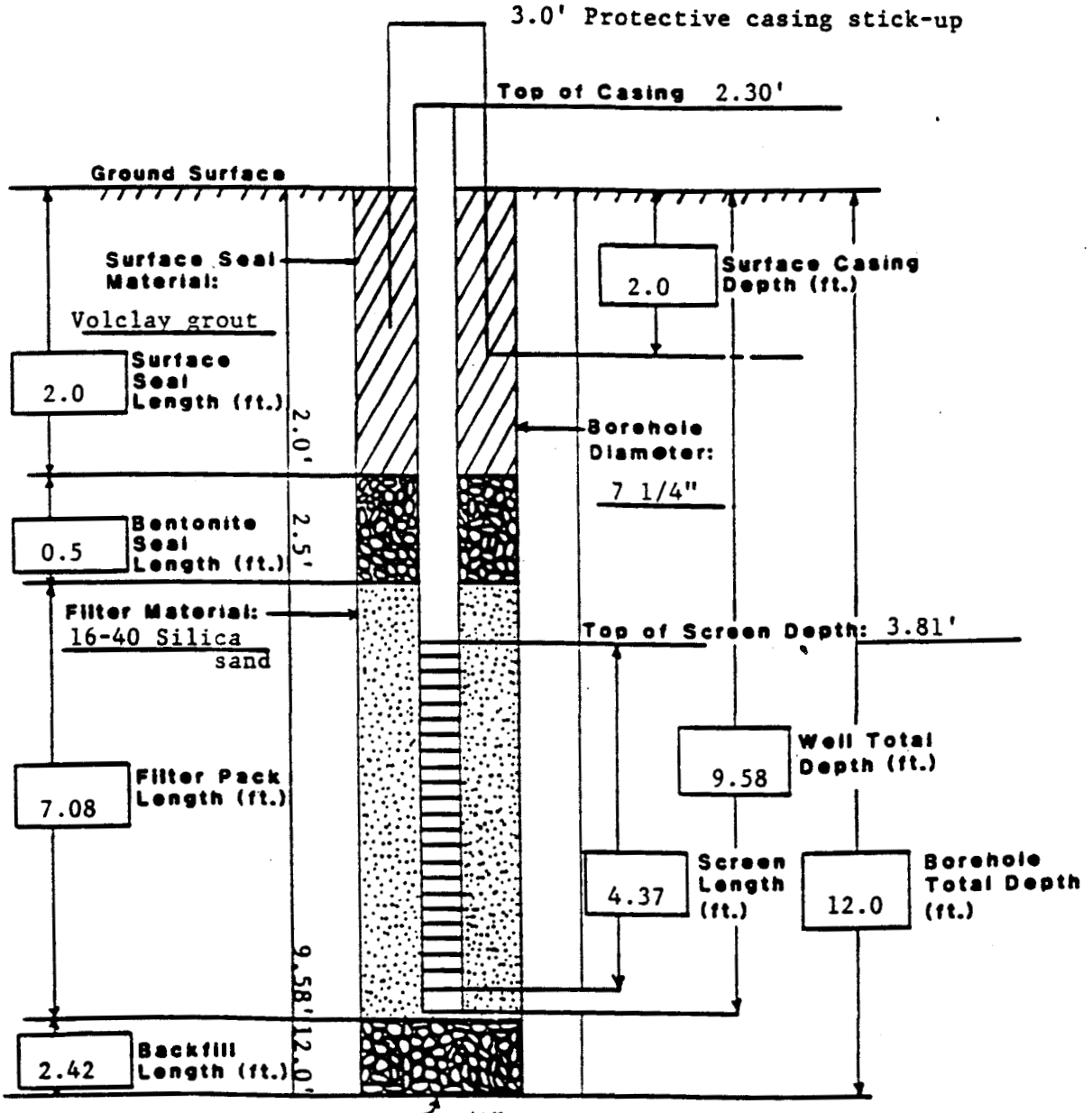
Date Installed 04/26/1989

Approved By Jarell Burgan
Site Manager

Installed By K.E. Miller
Geologist

CEARP Manager

Comments Set stainless steel centralizer from 8.2' to 9.45' below ground surface



Backfill Material: 1/4" Volclay bentonite pellets and slough

LOG OF BOREHOLE

QA BY/DATE J.B. Burman 11-29-89
LOCATION Rocky Flats Plant; Solar Ponds Area
COORDINATES N38,580.65 E21,547.81 (RFP)
TOTAL DEPTH 12.0'

DRILLING COMPANY Boyles Brothers
DATE DRILLED April 26, 1989
DRILLING METHOD Hollow Stem Auger
LOGGED BY K.E. Miller
GEOLOGIST

BOREHOLE/WELL NO. P209989
GROUND SURFACE ELEVATION 5898.1'
WATER LEVEL ENCOUNTERED None
STATIC None (08/31/89)
DRILLER R. Sharp HELPER P. Mesa
DRILLING FLUID None
CHECKED BY J.B. Burman
SITE MANAGER

CEARP MANAGER

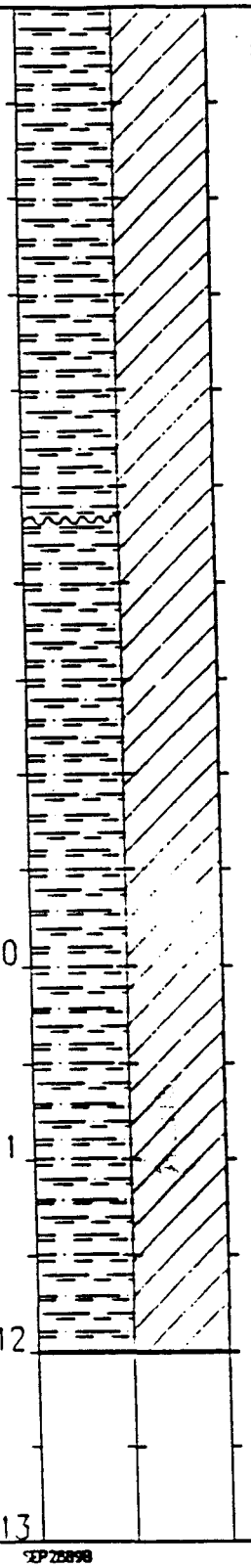
COMMENTS

DEPTH (FT)	GRAPHIC LOG	SAMPLE TYPE	LITHOLOGIC DESCRIPTION	SAMPLES COLLECTED OR OTHER TESTS PERFORMED
0 1 2 3 4 5			**TOPSOIL** 0.0-2.0' SAMPLE. Recovered 2.0/2.0' = 100%. 0.0-0.6': SILTY CLAY: dusky yellow (5 Y 6/4); abundant organics; trace coarse to fine-grained sand; unconsolidated; firm; non-plastic; (ol); dry. **COLLUVIUM** 0.6-2.0': SILTY CLAY: light olive brown (5 Y 5/6); some gravel; quartzite; subangular; broken; trace coarse to fine-grained sand; mottles dark yellowish orange (10 YR 6/6); firm to stiff; low plasticity; (cl w/gravel); damp. 2.0-4.0' SAMPLE. Recovered 2.0/2.0' = 100%. SILTY CLAY: dusky yellow (5 Y 6/4) to light olive brown (5 Y 5/6); trace coarse to fine quartzite gravel to 1 cm; subrounded; trace coarse to fine-grained sand; calcareous nodules--HCl reactive; firm; low plasticity; (cl w/gravel); damp. 4.0-6.0' SAMPLE. Recovered 2.1/2.0' = 105%. SILTY CLAY: same as 2.0-4.0'; more coarse to fine gravel; quartzite and K-feldspar; broken; slight HCl reaction; damp.	HNU Background: 0.0 OVA Background: 0.0 All readings on cuttings, in breathing zone, on core, and in augers: 0.0; unless otherwise noted below.

SEP7009A

WELL NO. P209989

LOG OF BOREHOLE

DEPTH (FT)	GRAPHIC LOG	SAMPLE TYPE	LITHOLOGIC DESCRIPTION	SAMPLES COLLECTED OR OTHER TESTS PERFORMED
5			**6.0-8.0' SAMPLE.** Recovered 2.0/2.0' = 100%. 6.0-7.7': SILTY CLAY: same as above. **ARAPAHOE/LARAMIE FORMATION** 7.7-8.0': SILTY CLAYSTONE: dusky yellow (5 Y 6/4) to pale olive (10 Y 6/2); consolidated; very stiff; low plasticity; streaks of dark yellowish orange (10 YR 6/6); slightly calcareous; HCl reactive; damp. **8.0-10.0' SAMPLE.** Recovered 2.1/2.0' = 105%. SILTY CLAYSTONE: same as 7.7-8.0'; trace coarse to fine-grained sand; dry. **10.0-12.0' SAMPLE.** Recovered 2.2/2.0' = 110%. SILTY CLAYSTONE: same as above. **TOTAL DEPTH 12.0'**	
6				
7				
8				
9				
10				
11				
12				
13				

WELL COMPLETION INFORMATION

QA By/Date Jarell Burman 1-28-89

Location Rocky Flats Plant; Solar Ponds Area **Well No.** P210089

Coordinates N 38579.31 E 21538.57 (RFP) **Elevation: Ground Surface** 5898.4'

Total Depth: Well 22.93' **Top of Casing** 5900.40'

Borehole 28.0'

Formation of Completion Weathered Claystone

Casing Material Schedule 40 PVC **Casing Diameter** 4 1/2" O.D.

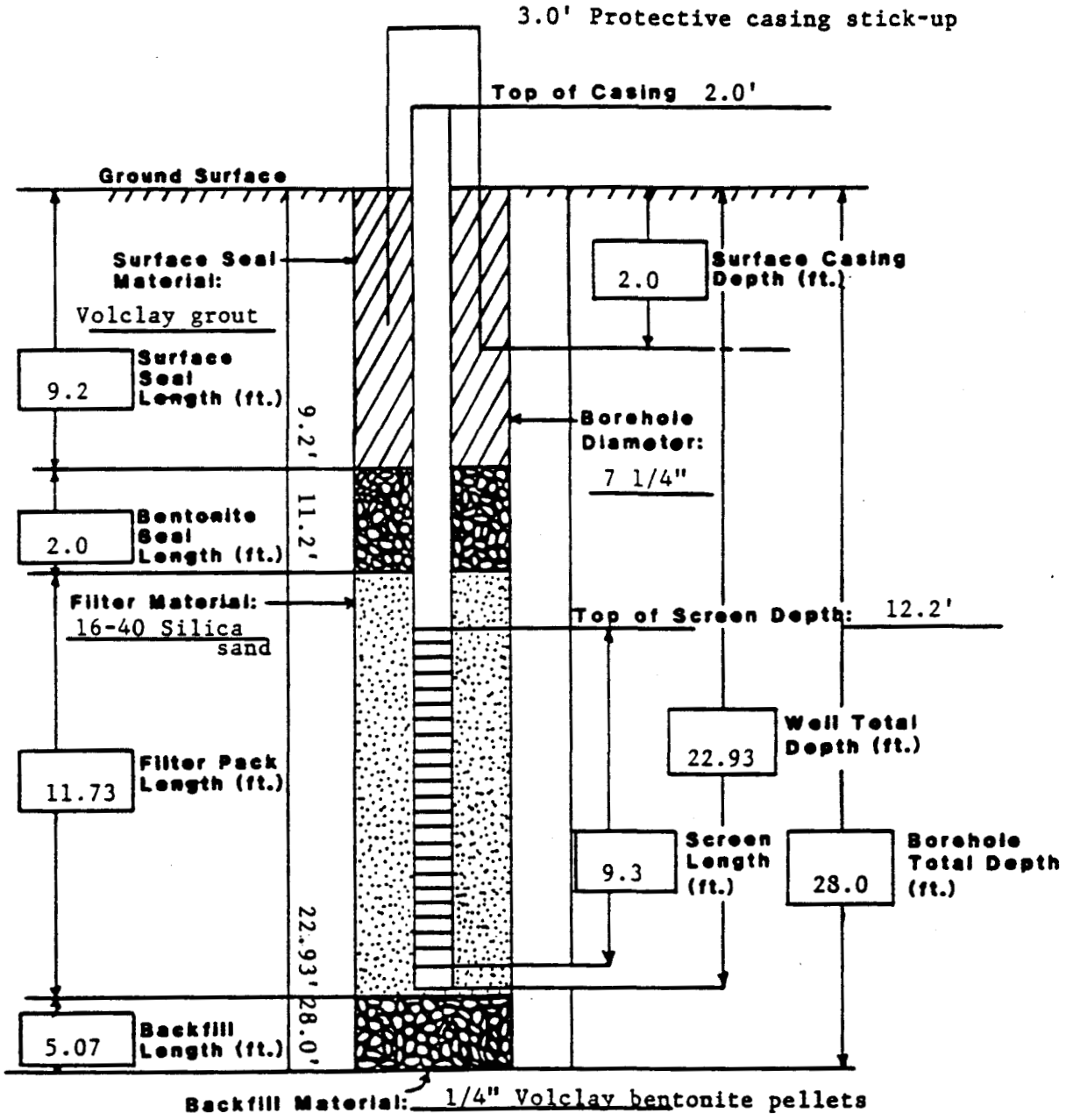
Screen Material Schedule 40 10-slotted PVC **Surface Casing Diameter** 8 5/8" O.D.

Date Installed 04/25/1989 **Approved By** Jarell Burman

Installed By K.E. Miller, Geologist — Site Manager

CEARP Manager

Comments Set stainless steel centralizer from 21.53' to 22.78' below ground surface



WELL COMPLETION INFORMATION

QA By/Date Janell Burman 15-24-89

Location Rocky Flats Plant: Solar Ponds Area

Well No. P210189

Coordinates N 37767.66 E 21307.33 (RFP)

Elevation: Ground Surface 5980.82'

Top of Casing 5982.48'

Total Depth: Well 37.13'

Borehole 38.6'

Formation of Completion Weathered Sandstone

Casing Material Schedule 40 PVC

Casing Diameter 4 1/2" O.D.

Screen Material Schedule 40 10-slotted PVC

Surface Casing Diameter 8 5/8" O.D.

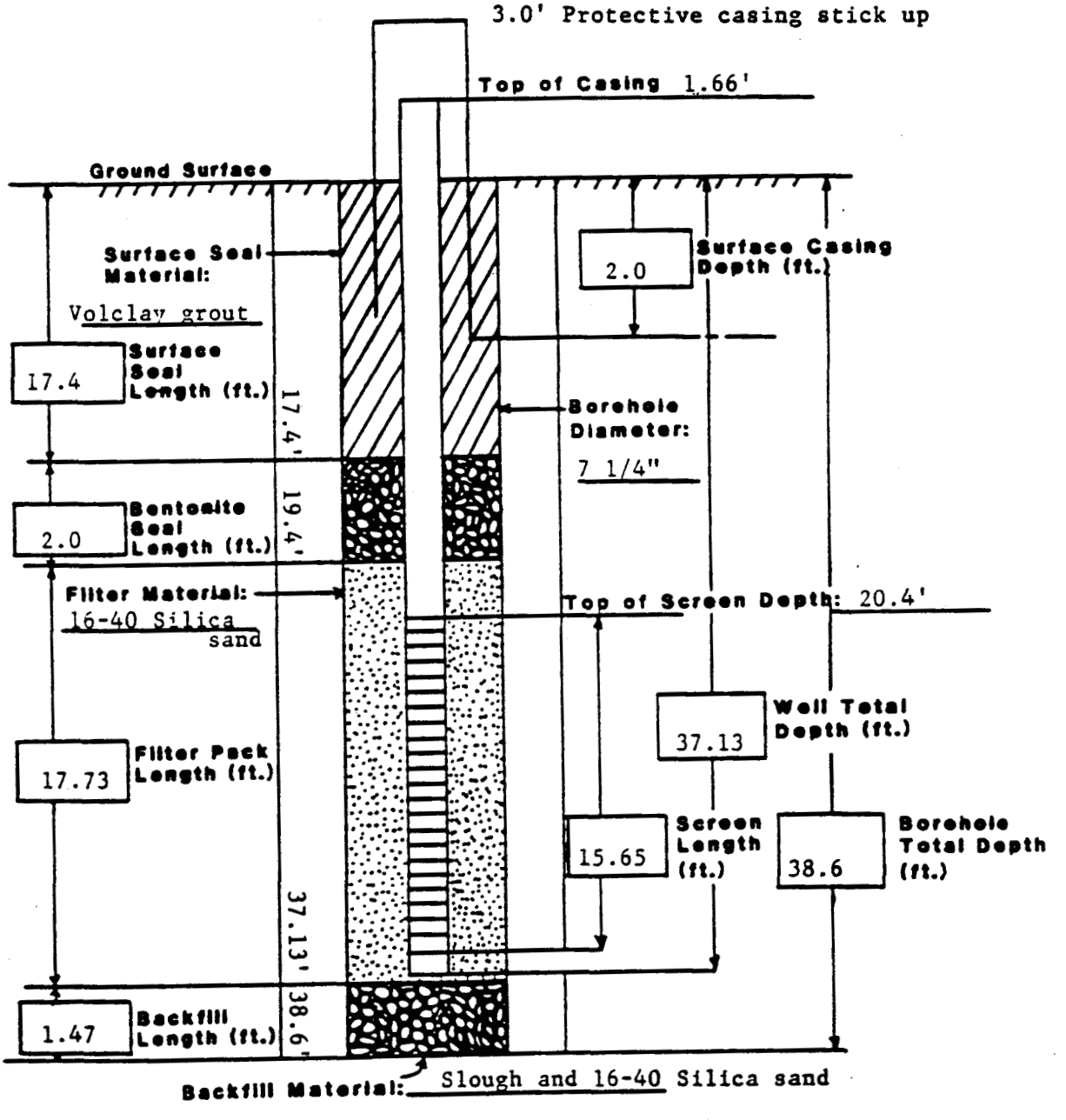
Date Installed 05/23/1989

Approved By Janell Burman
Site Manager

Installed By K.E. Miller
Geologist

CEARP Manager

Comments Set stainless steel centralizer from 35.49' to 36.7' below ground surface.



WELL COMPLETION INFORMATION

QA By/Date Jarell Burman 15-15-89

Location Rocky Flats Plant; Solar Ponds Area

Well No. P210289

Coordinates N 37577.96 E 22119.26 (RFP)

Elevation: Ground Surface 5967.03'

Total Depth: Well 22.27'

Top of Casing 5969.19'

Borehole 26.0'

Formation of Completion Weathered Claystone

Casing Material Schedule 40 PVC

Casing Diameter 4 1/2" O.D.

Screen Material Schedule 40 10-slotted PVC

Surface Casing Diameter 8 5/8" O.D.

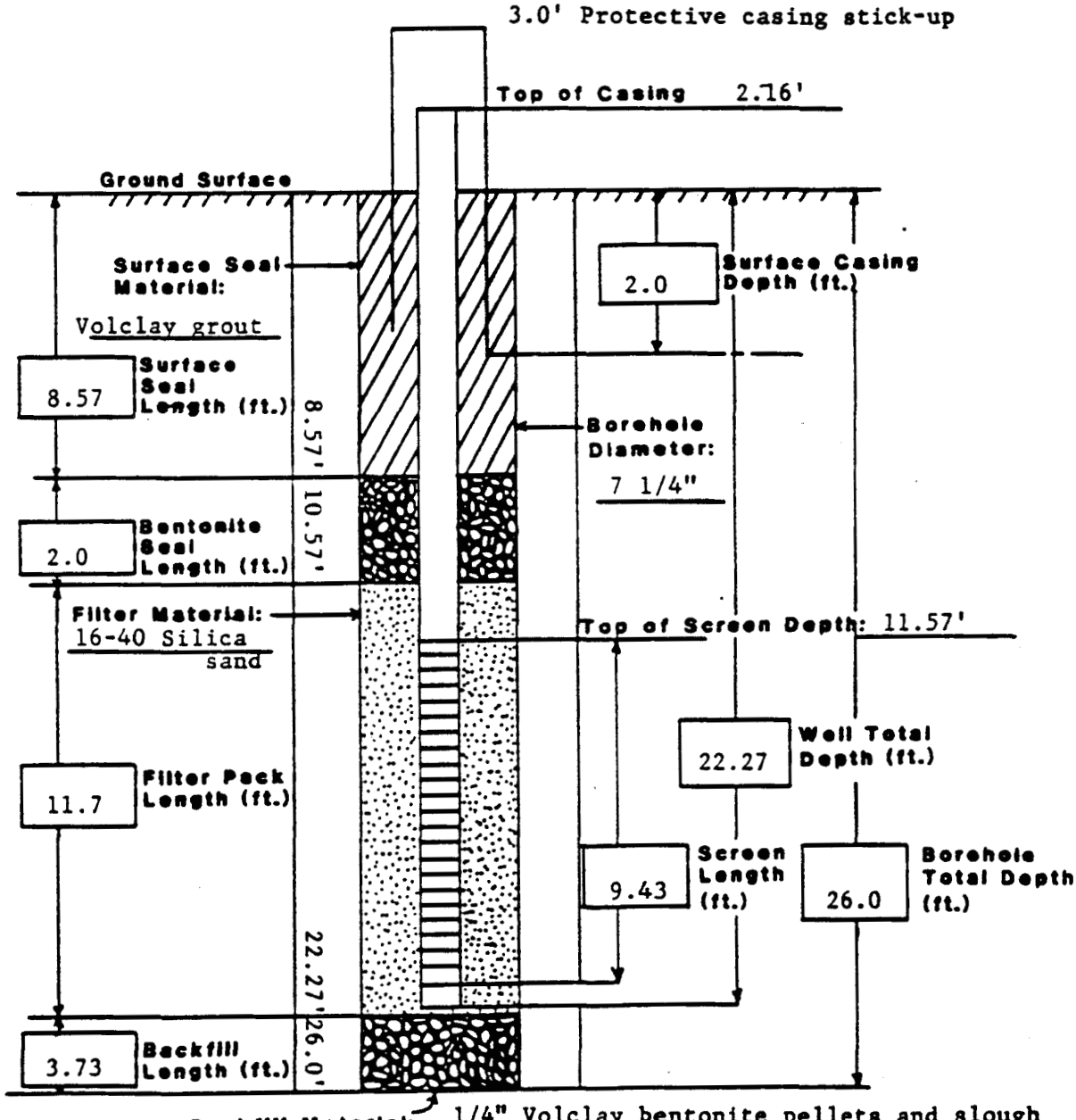
Date Installed 05/15/1989

Approved By Jarell Burman
Site Manager

Installed By K.E. Miller
Geologist

CEARP Manager

Comments Set stainless steel centralizer from 20.75' to 22.0' below ground surface.



Backfill Material: 1/4" Volclay bentonite pellets and slough

LOG OF BOREHOLE

QA BY/DATE J.B. Burman / 2-22-90
LOCATION Rocky Flats Plant; Original Process Waste Lines
COORDINATES N37,546.69 E23,573.81 (RFP)
TOTAL DEPTH 9.6'

DRILLING COMPANY Boyles Brothers
DATE DRILLED June 13, 1989
DRILLING METHOD Hollow Stem Auger
LOGGED BY S.P. Carpenter
GEOLOGIST

BOREHOLE/WELL NO. B213789
GROUND SURFACE ELEVATION 5917.8'
WATER LEVEL ENCOUNTERED None
STATIC None (01/17/90)
DRILLER K. Parker HELPER P. Mesa
DRILLING FLUID None
CHECKED BY J.B. Burman
SITE MANAGER

CEARP MANAGER

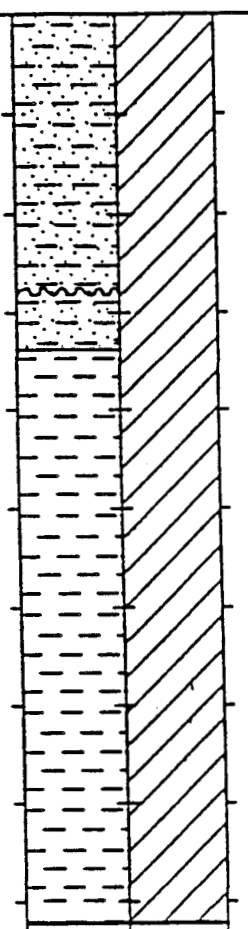
COMMENTS

DEPTH (FT)	GRAPHIC LOG	SAMPLE TYPE	LITHOLOGIC DESCRIPTION	SAMPLES COLLECTED OR OTHER TESTS PERFORMED
0 1 2 3 4 5			**ROCKY FLATS ALLUVIUM** 0.0-1.6' SAMPLE. Recovered 1.4/1.6' = 87%. SANDY CLAY: moderate brown (5 YR 4/4) to dusky yellowish brown (10 YR 2/2); trace gravel to pebbles; non-stratified; fine to very coarse-grained sand; poor sorting; subangular; quartzose; poorly consolidated; stiff; medium plasticity; moist. 1.6-3.6' SAMPLE. Recovered 2.0/2.0' = 100%. SANDY CLAY: moderate yellowish brown (10 YR 5/4); non-stratified; fine to very coarse-grained sand; poor sorting; subangular; quartzose; poor consolidation; stiff; medium plasticity; calcareous; moist. 3.6-5.6' SAMPLE. Recovered 1.95/2.0' = 97%. SANDY CLAY: same as above; light brown (5 YR 5/6) to dark yellowish orange (10 YR 6/6); increased calcareous deposits.	HNu Background: 0.0 OVA Background: 0.0 All readings on cuttings, in breathing zone, on core, and in augers: 0.0; unless otherwise noted below. 5.4-6.4' SAMPLE PZ13890506 PZ138905060 PZ13890506FB

PZ13E9A

WELL NO. B213789

LOG OF BOREHOLE

DEPTH (FT)	GRAPHIC LOG	SAMPLE TYPE	LITHOLOGIC DESCRIPTION	SAMPLES COLLECTED OR OTHER TESTS PERFORMED
5			5.6-7.6' SAMPLE. Recovered 1.9/2.0' = 95%. 5.6-6.4': SANDY CLAY: same as above. ARAPAHOE/LARAMIE FORMATION 6.4-6.7': CLAYEY SANDSTONE: dark yellowish orange (10 YR 6/6) to grayish orange (10 YR 7/4) to light gray (N 7/0); non-stratified; mottled; fine to coarse-grained sand; poor sorting; subangular; quartzose; poorly consolidated; calcareous; very weathered; moist. 6.7-7.5': CLAYSTONE: very light gray (N 8/0); non-stratified; blocky; moderately consolidated; medium to high plasticity; weathered; abundant iron oxide staining; moist. 7.6-9.6' SAMPLE. Recovered 2.0/2.0' = 100%. CLAYSTONE: same as above; light olive gray (5 Y 5/2) to dark yellowish orange (10 YR 6/6) to medium light gray (N 6/0); mottled; calcareous deposits. TOTAL DEPTH = 9.6'	
6				
7				
8				
9				
10				
11				
12				
13				

WELL COMPLETION INFORMATION

QA By/Date Terrell Burman 10-14-99

Location Rocky Flats Plant; Original Process Waste Lines (RFP) Well No. B213789

Coordinates N 37546.69 E 23573.81 Elevation: Ground Surface 5917.8'

Total Depth: Well 8.25' Top of Casing 5920.01'

Borehole 9.4'

Formation of Completion Colluvium

Casing Material Schedule 40 PVC Casing Diameter 2 3/8" O.D.

Screen Material Schedule 40 10-slotted PVC Surface Casing Diameter 5 5/8" O.D.

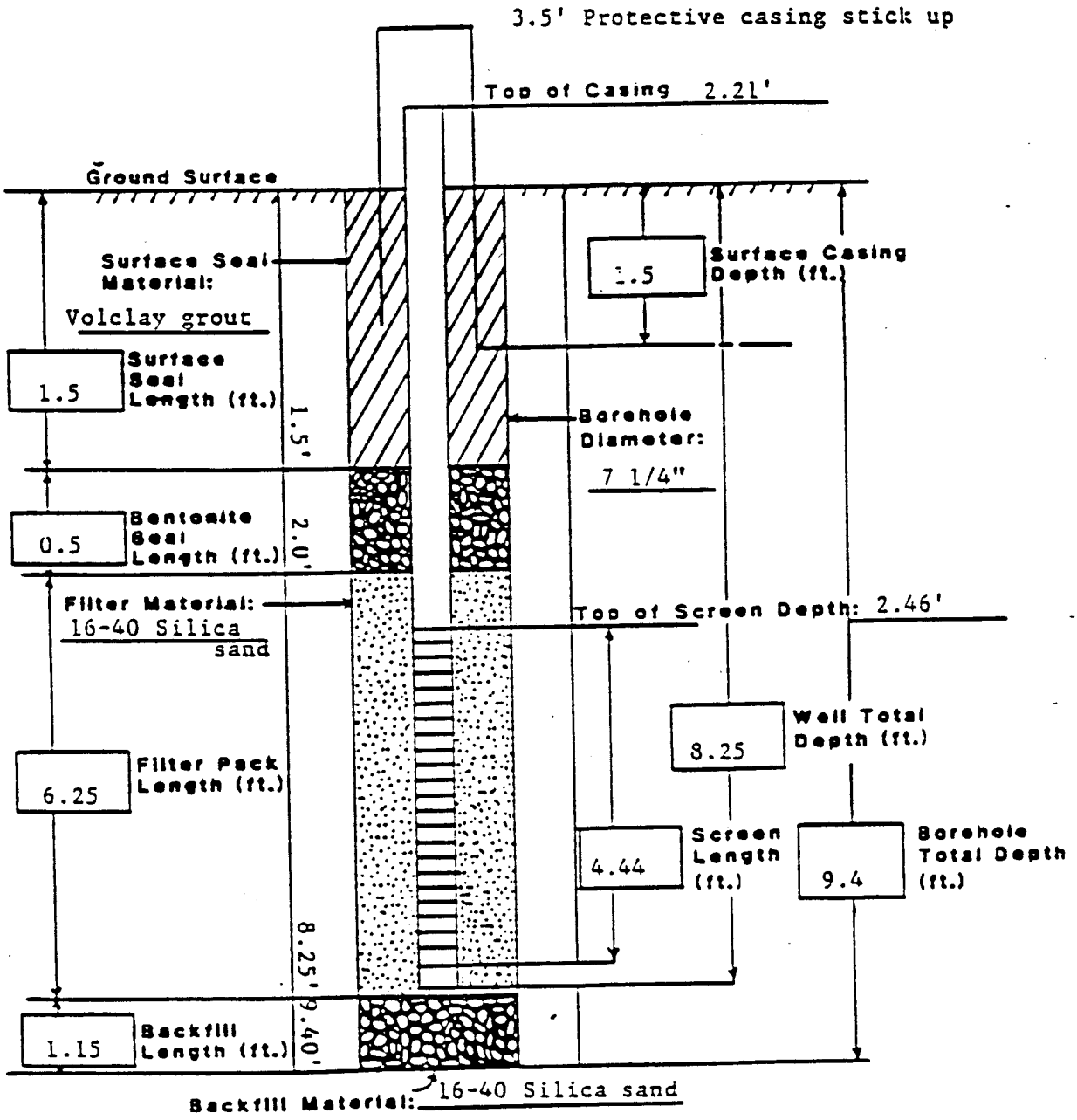
Date Installed 06/13/1989 Approved By Terrell Burman

Installed By S.P. Carpenter Site Manager

Geologist

CEARP Manager

Comments Set stainless steel centralizer from 6.92' to 8.13' below ground surface.



COMPLETION INFORMATION

QA By/Date Jerell Burman 11-14-89

Location Rocky Flats Plant; Original Process Waste Lines (RFP) Well No. B213789

Coordinates N 37546.69 E 23573.81 Elevation: Ground Surface 5917.8'

Total Depth: Well 8.25' Top of Casing 5920.01'

Borehole 9.4'

Formation of Completion Colluvium

Casing Material Schedule 40 PVC Casing Diameter 2 3/8" O.D.

Screen Material Schedule 40 10-slotted PVC Surface Casing Diameter 5 5/8" O.D.

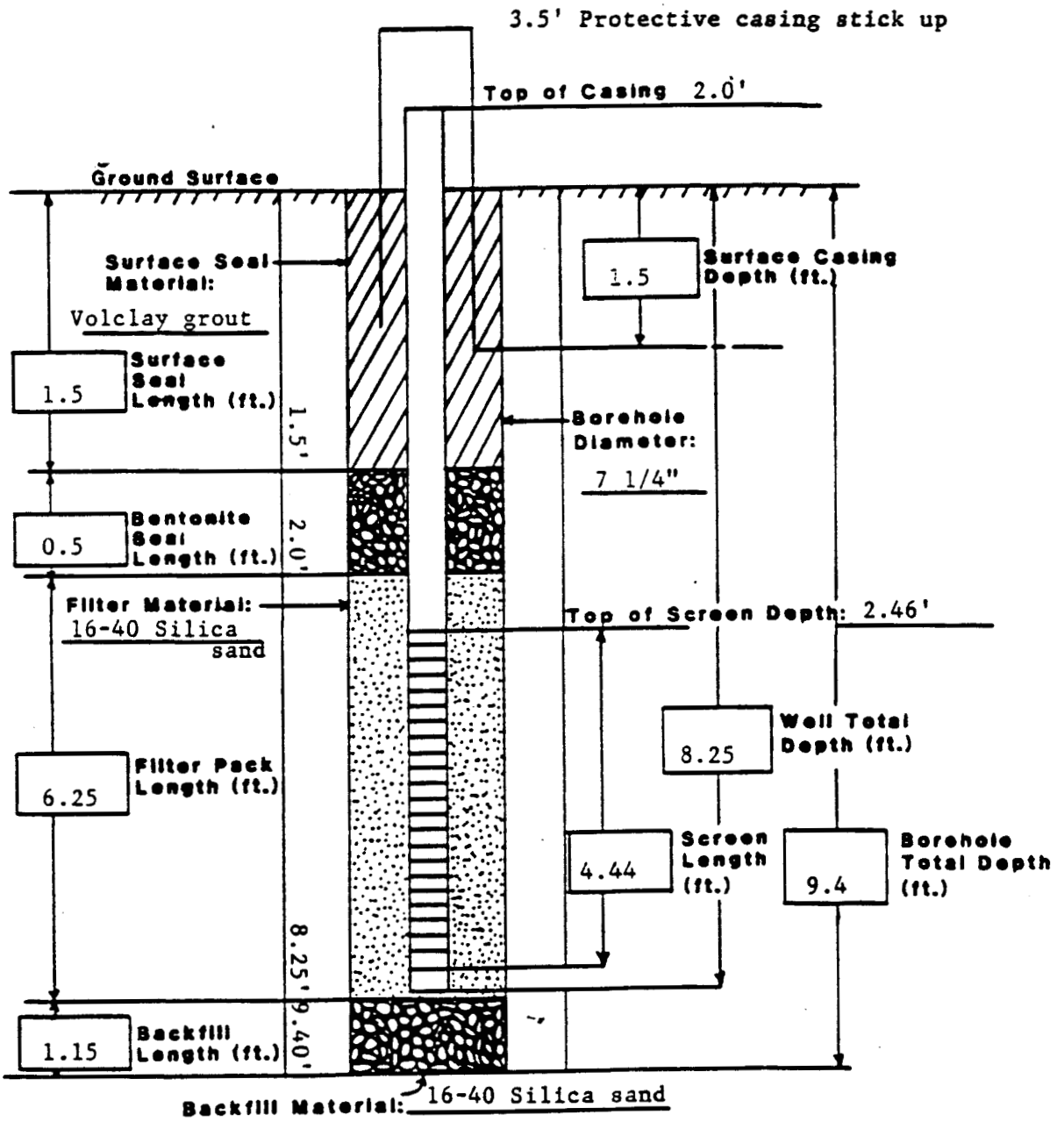
Date Installed 06/13/1989 Approved By Jerell Burman

Installed By S.P. Carpenter Site Manager

Geologist

CEARP Manager

Comments Set stainless steel centralizer from 6.92' to 8.13' below ground surface.



WELL COMPLETION INFORMATION

QA By/Date Janell Burman 11-20-94

Location Rocky Flats Plant: Original Process Waste Lines (RFP)

Well No. P213889

Coordinates N 37476.24 E 23005.19

Elevation: Ground Surface 5954.1'

Total Depth: Well 22.03'

Top of Casing 5955.94'

Borehole 31.85'

Formation of Completion Weathered Sandstone

Casing Material Schedule 40 PVC

Casing Diameter 2 3/8" O.D.

Screen Material Schedule 40 10-slotted PVC

Surface Casing Diameter 5 5/8" O.D.

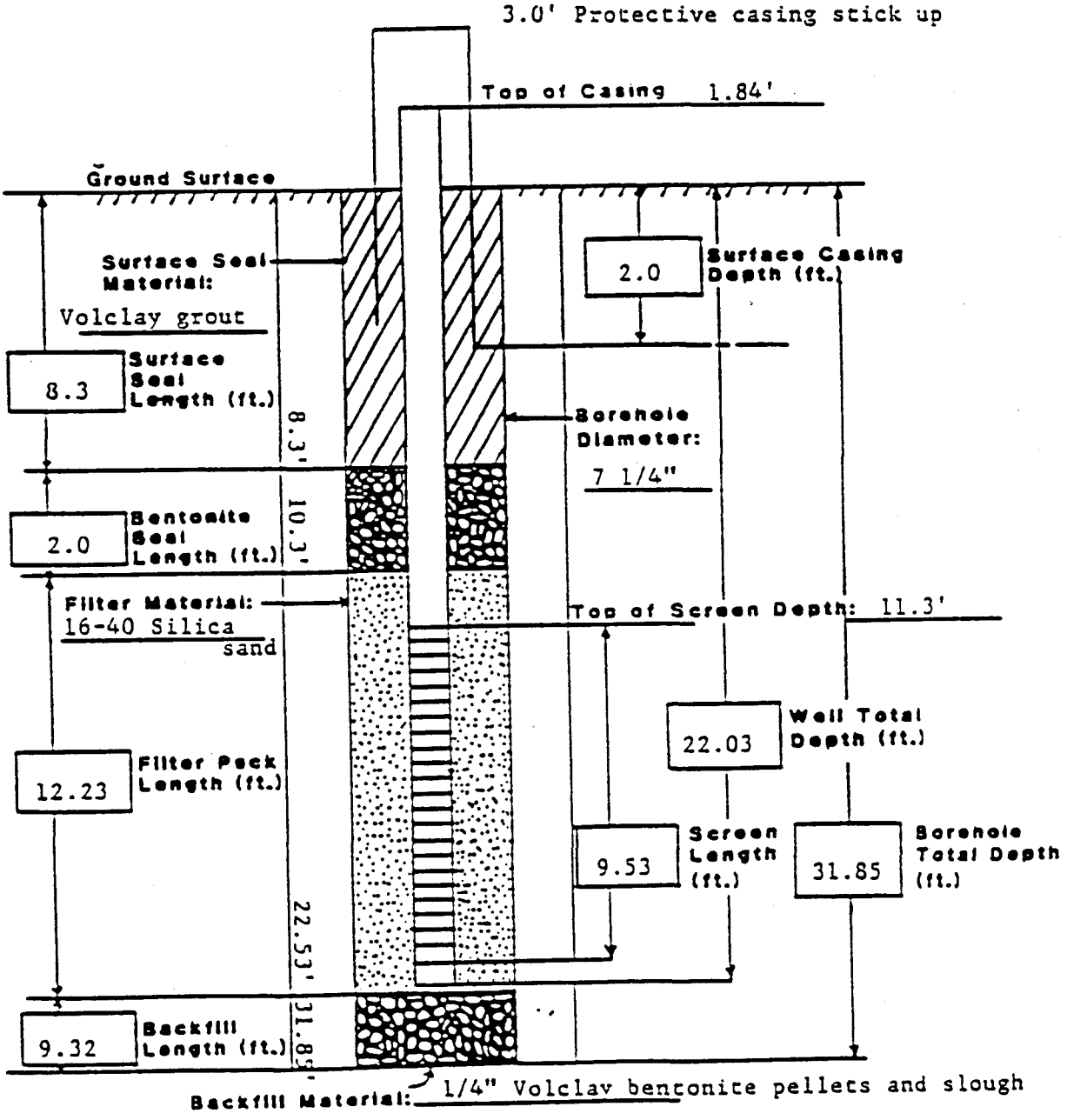
Date Installed 06/16/1989

Approved By Janell Burman
Site Manager

Installed By S.P. Carpenter
Geologist

CEARP Manager

Comments



LOG OF BOREHOLE

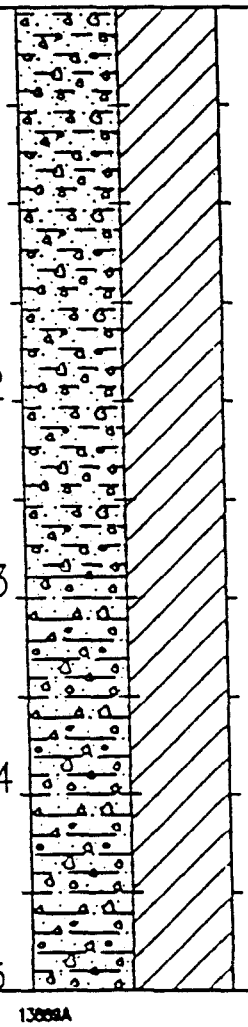
QA BY/DATE J.B. Burman 12-22-90
LOCATION Rocky Flats Plant; Original Process Waste Lines
COORDINATES N37,476.24 E23,005.19 (RFP)
TOTAL DEPTH 31.85'

DRILLING COMPANY Boyles Brothers
DATE DRILLED June 15 and 16, 1989
DRILLING METHOD Hollow Stem Auger
LOGGED BY S.P. Carpenter
GEOLOGIST

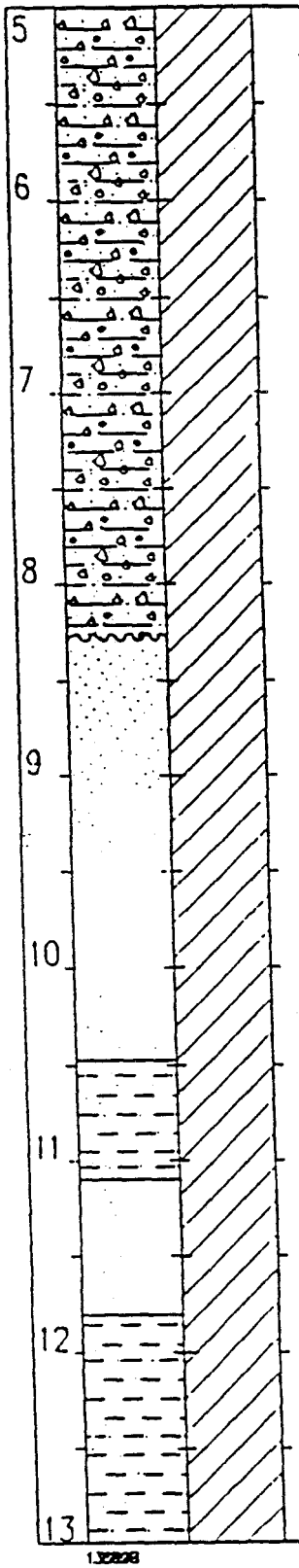
BOREHOLE/WELL NO. P213889
GROUND SURFACE ELEVATION 5954.1'
WATER LEVEL ENCOUNTERED None
STATIC None (09/15/89)
DRILLER R. Sharp HELPER P. Mesa; T. Merritt
DRILLING FLUID None
CHECKED BY J.B. Burman
SITE MANAGER

CEARP MANAGER

COMMENTS

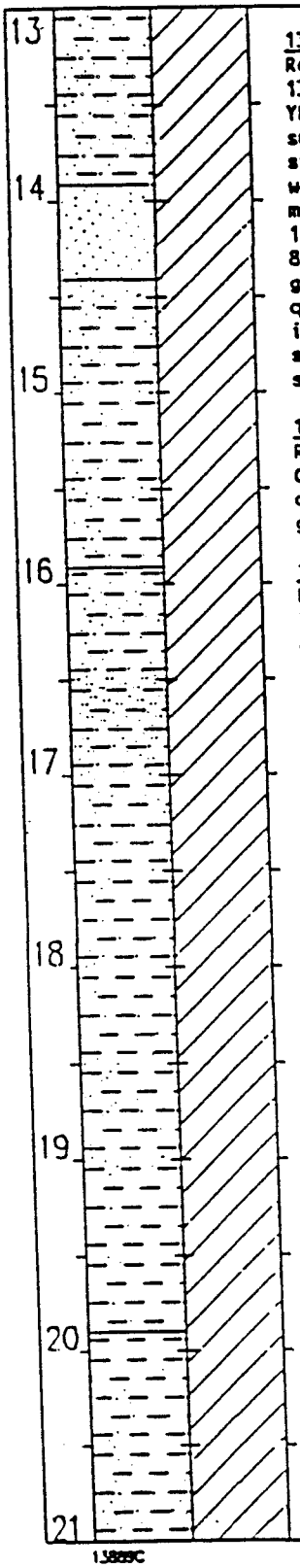
DEPTH (FT)	GRAPHIC LOG	SAMPLE TYPE	LITHOLOGIC DESCRIPTION	SAMPLES COLLECTED OR OTHER TESTS PERFORMED
0 1 2 3 4 5			ARTIFICIAL FILL 0.0-1.8' SAMPLE. Recovered 1.6/1.8' = 89%. SANDY GRAVELLY CLAY: light brown (5 YR 5/6) to dusky brown (5 YR 2/2); nonstratified; fine- to very coarse-grained sand; 1 to 4 mm gravels; subangular; poor sorting; quartzose; poorly consolidated; stiff; low to medium plasticity; moist. 1.8-3.8' SAMPLE. Recovered 1.6/2.0' = 80%. 1.8-2.8': SANDY GRAVELLY CLAY: same as above; moderate reddish brown (10 YR 4/6); trace 1 mm gravels. ROCKY FLATS ALLUVIUM 2.8-3.4': GRAVELLY SILTY SAND: moderate orange pink (5 YR 8/4); fine- to very coarse-grained sand; 1 to 4 mm gravel; poor sorting; subangular; quartzose; unconsolidated; medium dense; calcareous; dry. 3.8-5.8' SAMPLE. Recovered 1.8/2.0' = 90%. GRAVELLY SILTY SAND: same as above; 1 to 6 mm gravels.	HNu Background: 0.0 OVA Background: 0.0 All readings on cuttings, in breathing zone, on core, and in augers: 0.0; unless otherwise noted below. 5.2-6.6': SAMPLE PZ14890507

13669A

DEPTH (FT)	GRAPHIC LOG	SAMPLE TYPE	LITHOLOGIC DESCRIPTION	SAMPLES COLLECTED OR OTHER TESTS PERFORMED
5 6 7 8 9 10 11 12 13			5.8-7.8' SAMPLE. Recovered 0.8/2.0' = 40%. GRAVELLY SILTY SAND: same as above; becoming slightly clayey. 7.8-9.8' SAMPLE. Recovered 0.5/2.0' = 25%. 7.8-8.3': GRAVELLY SILTY SAND: same as above. ARAPAHOE/LARAMIE FORMATION Note: Bedrock contact inferred from drilling behavior. 8.3-9.8': SANDSTONE: very light gray (N 8/0) stained dark yellowish orange (10 YR 6/6); nonstratified; very fine- to trace medium-grained sand; subangular; poor sorting; quartzose; non-cemented; very weathered; moist. 9.8-11.8' SAMPLE. Recovered 2.0/2.0' = 100%. 9.8-10.45': SANDSTONE: same as above; slightly clayey. 10.45-11.1': SANDY CLAYSTONE: medium gray (N 5/0) to grayish orange (10 YR 7/4); blocky; very weathered; mottled with iron oxide staining; medium plasticity; 3 mm sandstone lense at middle of zone; moist. 11.1-11.8': SANDSTONE: dark yellowish orange (10 YR 6/6) to very pale orange (10 YR 8/2); predominantly very fine- to trace medium-grained sand; poorly sorted; subangular; quartzose; laminated; weathered; non to slightly cemented; scattered claystone inclusions; moist. 11.8-13.8' SAMPLE. Recovered 1.7/2.0' = 85%. CLAYEY SANDSTONE: dark yellowish orange (10 YR 6/6) to light gray (N 7/0); very fine-grained sand; subangular; moderate sorting; quartzose; nonstratified; non to poorly cemented; < 1 mm laminations of claystone; abundant iron oxide staining; low plasticity; weathered; moist.	7.8-9.8': Readings in Auger: OVA: 70 9.8-11.8': Readings in Auger: OVA: 100 HNu: 1 11.8-13.8': Readings in Auger: OVA: 2

WELL NO. P213889

LOG OF BOREHOLE

DEPTH (FT)	GRAPHIC LOG	SAMPLE TYPE	LITHOLOGIC DESCRIPTION	SAMPLES COLLECTED OR OTHER TESTS PERFORMED
13			13.8-15.8' SAMPLE. Recovered 2.0/2.0' = 100%. 13.8-14.4': SANDSTONE: dark yellowish orange (10 YR 6/6); fine-grained sand; moderate sorting; subangular; quartzose; laminated with iron oxide staining; poorly consolidated; slightly cemented; weathered; trace <0.5 mm claystone laminations; moist. 14.4-15.8': CLAYEY SANDSTONE: very light gray (N 8/0) to dark yellowish orange (10 YR 6/6); fine-grained sand; moderate sorting; subangular; quartzose; with claystone laminations and inclusions; moderately consolidated; weathered; slightly cemented; low plasticity; iron oxide staining; moist.	
14				
15			15.8-17.8' SAMPLE. Recovered 2.0/2.0' = 100%. CLAYEY SANDSTONE AND SANDSTONE: same as above with dark yellowish orange (10 YR 6/6) to very light gray (N 8/0) to pale yellowish brown (10 YR 6/2).	
16			17.8-19.8' SAMPLE. Recovered 2.0/2.0' = 100%. INTERBEDDED SANDSTONE AND CLAYEY SANDSTONE: same as above.	17.8-19.8': Readings in Auger: OVA: 1.5 HNu: 0.1
17			19.8-21.8' SAMPLE. Recovered 2.0/2.0' = 100%. CLAYEY SANDSTONE: dark yellowish orange (10 YR 6/6) to very light gray (N 8/0); fine- to very fine-grained sand; moderate sorting; subangular; quartzose; platy in part; moderately consolidated; poorly cemented; weathered; iron oxide staining; moist.	19.8-21.8': Readings in Auger: OVA: 4
18				
19				
20				
21				

13889C

WELL NO. P213889

LOG OF BOREHOLE

DEPTH (FT)	GRAPHIC LOG	SAMPLE TYPE	LITHOLOGIC DESCRIPTION	SAMPLES COLLECTED OR OTHER TESTS PERFORMED
21			21.8-23.8' SAMPLE. Recovered 2.0/2.0' = 100%. CLAYEY SANDSTONE: same as above; dark yellowish orange (10 YR 6/6) to light olive gray (5 Y 6/1) to very light gray (N 8/0); laminated; < 1.5 mm sandy claystone; low to no plasticity.	
22			23.8-25.8' SAMPLE. Recovered 2.0/2.0' = 100%. CLAYEY SANDSTONE: same as above.	23.8-25.8': Readings in Auger: OVA: 1
23			25.8-27.8' SAMPLE. Recovered 2.0/2.0' = 100%. INTERBEDDED SANDY CLAYSTONE AND CLAYEY SANDSTONE: medium gray (N 5/0) to moderate yellowish brown (10 YR 5/4) to dark yellowish orange (10 YR 6/6); stratified to laminated; moderately consolidated; medium to no plasticity; iron oxide staining; weathered; moist.	
24			27.8-29.8' SAMPLE. Recovered 2.0/2.0' = 100%. SANDY CLAYSTONE: dark gray (N 3/0) to medium light gray (N 6/0); platy; fine- to very fine-grained sand; well consolidated; medium plasticity; medium hard; unconsolidated sandstone lense at 28.7-28.9'; iron oxide staining; moist.	27.8-29.8': Readings in Auger: OVA: 120 HNu: 5
25				
26				
27				
28				
29				

NO. P213889

LOG OF BOREHOLE

DEPTH	GRAPHIC LOG	SAMPLE TYPE	LITHOLOGIC DESCRIPTION	SAMPLES COLLECTED OR OTHER TESTS PERFORMED
29 30 31 32 33 34 35 36 37			29.8-31.8' SAMPLE. Recovered 2.0/2.0' = 100%. 29.8-30.4': SANDY CLAYSTONE: same as above. 30.4-31.8': CLAYEY SANDSTONE: light gray (N 7/0) to pale yellowish brown (10 YR 6/2) to dark yellowish orange (10 YR 6/6); laminated; sandy claystone, < .5 mm lenses; fine- to very fine-grained sands; subangular; moderate sorting; quartzose; well consolidated; weakly cemented; low plasticity; weathered; moist. TOTAL DEPTH = 31.85'	29.8-31.8': Readings in Auger: OVA: 90 HNu: 5

13888E

WELL COMPLETION INFORMATION

QA By/Date Farell Burman 14-21-89

Location Rocky Flats Plant; Solar Ponds Area

Well No. B210489

Coordinates N 38814.87 E 22413.47 (RFP)

Elevation: Ground Surface 5856.4'

Top of Casing 5858.71'

Total Depth: Well 8.67'

Borehole 28.1'

Formation of Completion Colluvium

Casing Material Schedule 40 PVC

Casing Diameter 4 1/2" O.D.

Screen Material Schedule 40 10-slotted PVC

Surface Casing Diameter 8 5/8" O.D.

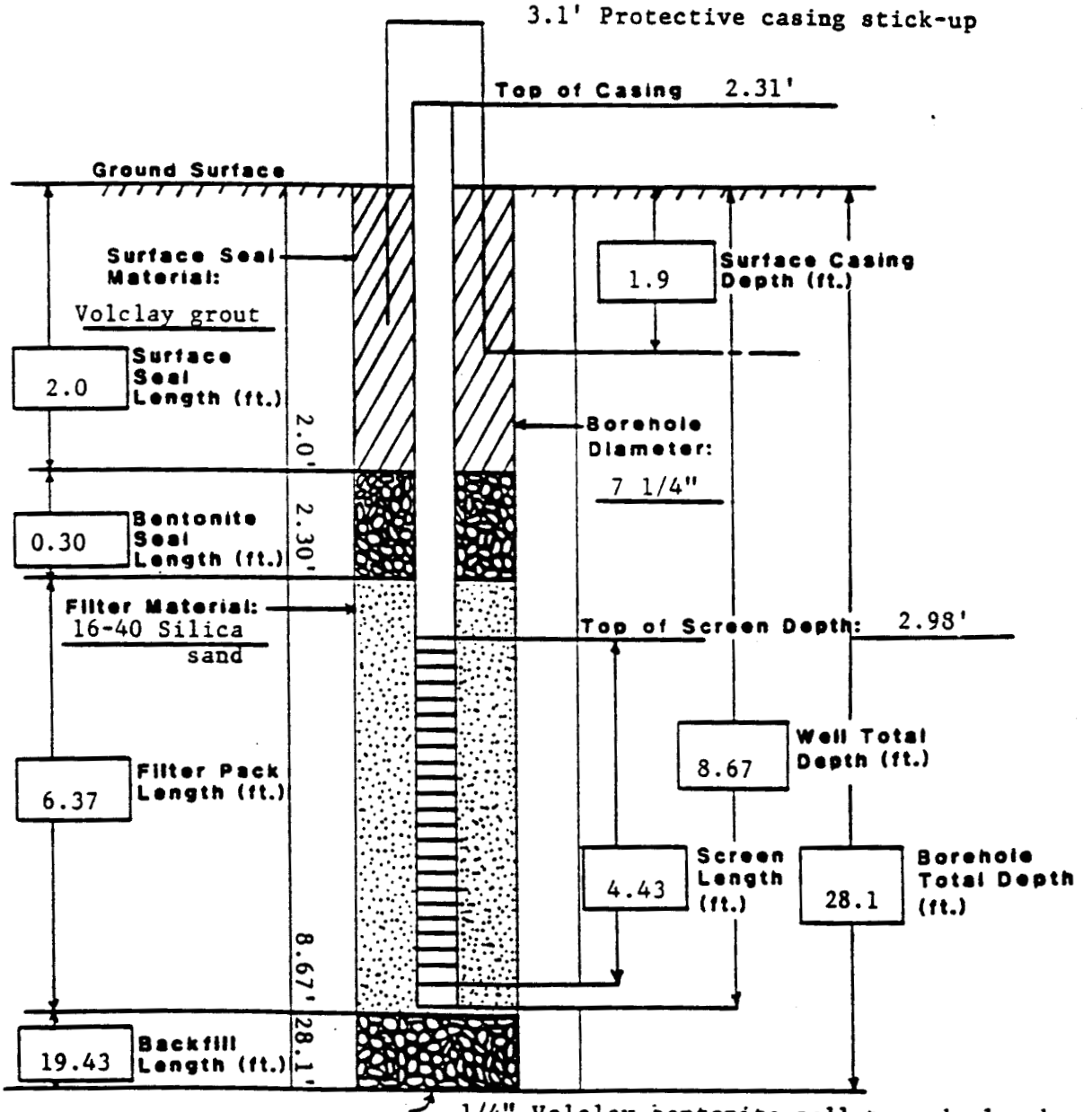
Date Installed 04/20/1989

Approved By Farell Burman
Site Manager

Installed By K.E. Miller
Geologist

CEARP Manager

Comments Set stainless steel centralizer from 7.25' to 8.50' below ground surface



WELL COMPLETION INFORMATION

QA By/Date Janell Burman 4-25-89

Location Rocky Flats Plant; Solar Ponds Area **Well No.** B210389

Coordinates N 38710.01 E 22016.16 (RFP) **Elevation: Ground Surface** 5873.2'

Total Depth: Well 24.35' **Top of Casing** 5875.32'

Borehole 28.5'

Formation of Completion Weathered Claystone

Casing Material Schedule 40 PVC **Casing Diameter** 4 1/2" O.D.

Screen Material Schedule 40 10-slotted PVC **Surface Casing Diameter** 8 5/8" O.D.

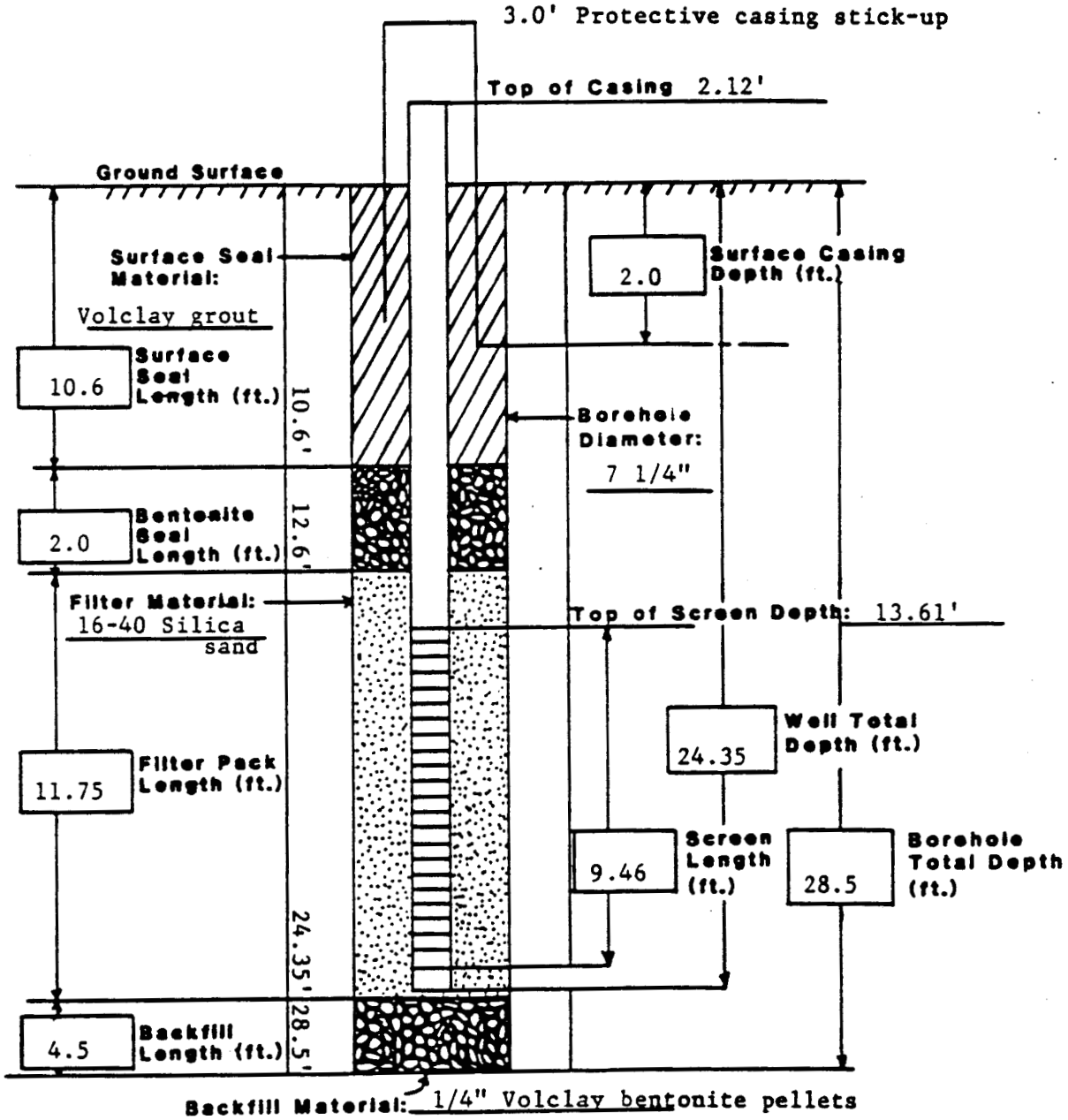
Date Installed 04/24/1989 **Approved By** Janell Burman

Installed By K.E. Miller
Geologist

Site Manager

CEARP Manager

Comments Set stainless steel centralizer from 22.75' to 24.0' below ground surface



WELL COMPLETION INFORMATION

QA By/Date Jerrell B. Bussman 11-17-89

Location Rocky Flats Plant

Well No. P218389

Coordinates N 37842.86 E 22545.47 (RFP)

Elevation: Ground Surface 5956.2'

Total Depth: Well 13.77'

Top of Casing 5958.45'

Borehole 22.0'

Formation of Completion Rocky Flats Alluvium

Casing Material Schedule 40 PVC

Casing Diameter 2 3/8" O.D.

Screen Material Schedule 40 10-slotted PVC

Surface Casing Diameter 5 5/8" O.D.

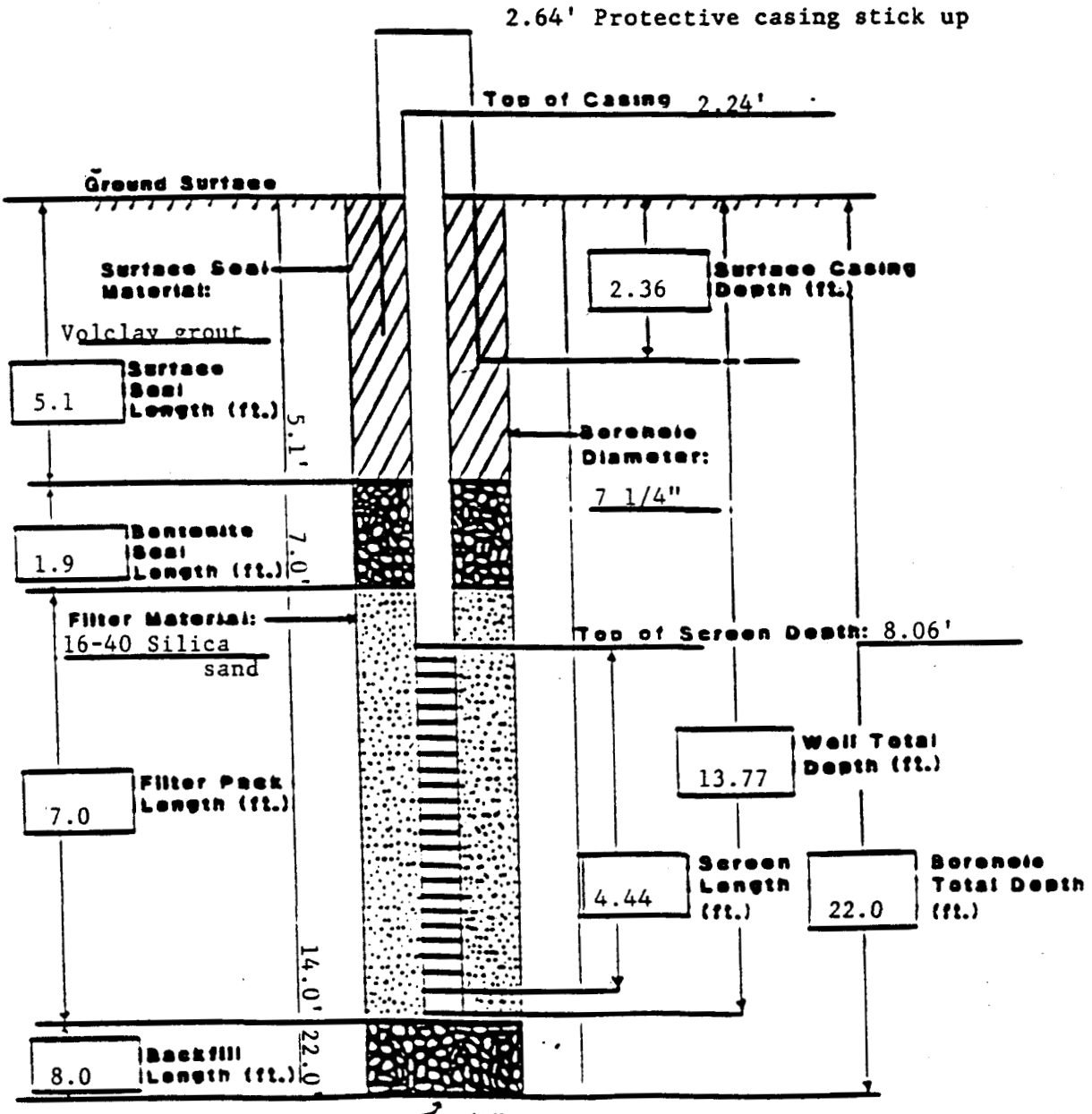
Date Installed 11/08/1989

Approved By Jerrell Bussman
Site Manager

Installed By S.P. Carpenter
Geologist

CEARP Manager

Comments Stainless steel centralizer set from 13.55' to 12.55' below ground surface



Backfill Material: 1/4" Volclay bentonite pellets, slough and sand

This is a
CONTROLLED DOCUMENT
ROCKY FLATS PLANT
ENVIRONMENTAL IMPACT DEPARTMENT
Page 1 of 1 (1 copy)

APPENDIX C

GROUND WATER LEVEL DATA
SOLAR PONDS AREA

- Ground water level data from RFEDS database

Well	Date	Water Level	Water Level	Water Level
2686	27-Jan-86	5964.89		
	12-Sep-86	5965.15		
	13-Sep-86	5964.95		
	15-Sep-86	5965.04		
	16-Sep-86	5964.86		
	17-Sep-86	5964.85		
	18-Sep-86	5964.82		
	13-Oct-86	5964.63		
	12-Nov-86	5964.89		
	26-Nov-86	5965.17		
	01-Jan-87	5965.78		
	25-Feb-87	5965.95		
	08-May-87	5967.01		
	03-Jun-87	5966.24		
	08-Jul-87	5966.29		
	04-Aug-87	5965.69		
	27-Aug-87	5965.79		
	03-Sep-87	5966.29		
	21-Oct-87	5964.99		
	09-Nov-87	5964.89		
	21-Dec-87	5964.89		
	27-Jan-88	5964.89		
	29-Feb-88	5965.69		
	21-Mar-88	5965.79		
	18-Apr-88	5966.09		
	17-May-88	5965.69		
	15-Jun-88	5965.69		
	15-Jul-88	5965.49		
	18-Aug-88	5965.39		
	15-Sep-88	5965.39		
	22-Oct-88	5965.09		
	15-Nov-88	5964.89		
	15-Dec-88	5965.49		
	15-Jan-89	5964.99		
	24-Feb-89	5965.29		
	31-Mar-89	5965.29		
	27-Apr-89	5965.69		
	26-May-89	5965.69		
	30-Jun-89	5965.69		
	28-Jul-89	5965.32		
	30-Aug-89	5965.33		
	11-Sep-89	5965.23		
	07-Nov-89	NA		
	17-Jan-90	5964.92		
	19-Feb-90	5964.77		
	24-Apr-90	5966.53		
	03-May-90	5966.12		
	03-May-90	5966.12		
	10-Jul-90	5965.31		
	26-Jul-90	5965.40		
	10-Aug-90	5965.23		
	05-Sep-90	5964.96		
	01-Oct-90	5964.91		
	02-Nov-90	5964.58		
	12-Dec-90	5964.59		
	04-Jan-91	5964.29		
	07-Jan-91	5964.25		
	10-Jun-91	5965.69		

Well	Date	Water Level	Water Level	Water Level
	03-Jul-91	5965.31		
	23-Jul-91	5965.07		
	02-Aug-91	5965.00		
	04-Sep-91	5965.01		
2886	12-Sep-86		5953.23	
	13-Sep-86		5953.10	
	15-Sep-86		5953.41	
	16-Sep-86		5952.99	
	17-Sep-86		5952.97	
	18-Sep-86		5953.14	
	13-Oct-86		5954.67	
	26-Nov-86		5955.26	
	01-Jan-87		5954.98	
	25-Feb-87		5956.77	
	19-Mar-87		5960.52	
	08-May-87		5959.39	
	03-Jun-87		5958.04	
	08-Jul-87		5958.12	
	04-Aug-87		5956.37	
	03-Sep-87		5955.77	
	21-Oct-87		5954.87	
	09-Nov-87		5955.07	
	22-Dec-87		5955.07	
	27-Jan-88		5957.97	
	29-Feb-88		5958.17	
	21-Mar-88		5957.97	
	18-Apr-88		5958.07	
	17-May-88		5957.47	
	15-Jun-88		5957.67	
	15-Jul-88		5957.57	
	18-Aug-88		5957.27	
	15-Sep-88		5956.97	
	22-Oct-88		5956.27	
	15-Nov-88		5955.37	
	15-Dec-88		5955.27	
	15-Jan-89		5954.97	
	24-Feb-89		5955.87	
	31-Mar-89		5955.87	
	27-Apr-89		5956.47	
	26-May-89		5957.57	
	30-Jun-89		5957.77	
	28-Jul-89		5956.74	
	30-Aug-89		5956.64	
	11-Sep-89		5958.35	
	30-Oct-89		5956.57	
	17-Jan-90		5955.27	
	13-Feb-90		5955.02	
	24-Apr-90		5958.87	
	15-May-90		5958.07	
	15-May-90		5958.07	
	10-Jul-90		5956.99	
	03-Aug-90		5956.93	
	10-Aug-90		5956.63	
	05-Sep-90		5956.16	
	01-Oct-90		5955.71	
	02-Nov-90		5955.16	
	13-Nov-90		5956.26	

Well	Date	Water Level	Water Level	Water Level
	04-Jan-91		5954.78	
	23-Apr-91		5955.34	
	07-Jun-91		5957.78	
	10-Jun-91		5957.64	
	03-Jul-91		5956.79	
	23-Jul-91		5956.39	
	02-Aug-91		5956.29	
	04-Sep-91		5955.82	
3086	12-Sep-86			5945.29
	13-Sep-86			5945.68
	15-Sep-86			5948.95
	16-Sep-86			5947.95
	17-Sep-86			5948.75
	18-Sep-86			5948.96
	19-Sep-86			5949.48
	13-Oct-86			5952.55
	26-Nov-86			5951.41
	01-Jan-87			5948.29
	25-Feb-87			5951.72
	23-Mar-87			5953.04
	08-May-87			5952.83
	03-Jun-87			5952.00
	08-Jul-87			5951.92
	04-Aug-87			5951.12
	03-Sep-87			5951.52
	23-Sep-87			5951.52
	21-Oct-87			5951.22
	09-Nov-87			5951.12
	17-Nov-87			5951.12
	22-Dec-87			5951.22
	01-Feb-88			5951.72
	29-Feb-88			5952.52
	21-Mar-88			5952.62
	18-Apr-88			5952.72
	15-Jun-88			5952.32
	15-Jul-88			5951.82
	18-Aug-88			5951.72
	15-Sep-88			5951.92
	22-Oct-88			5952.02
	15-Nov-88			5951.82
	15-Dec-88			5952.22
	15-Jan-89			5951.42
	24-Feb-89			5952.12
	31-Mar-89			5953.52
	27-Apr-89			5953.22
	26-May-89			5953.22
	30-Jun-89			5953.12
	28-Jul-89			5952.27
	30-Aug-89			5952.17
	12-Sep-89			5952.33
	08-Nov-89			5952.15
	17-Jan-90			5952.02
	07-Feb-90			5952.09
	25-Apr-90			5953.04
	31-May-90			5952.61
	31-May-90			5952.61
	10-Jul-90			5951.97

Well	Date	Water Level	Water Level	Water Level
	14-Aug-90			5952.20
	02-Oct-90			5951.45
	04-Jan-91			5952.01
	29-Apr-91			5952.27
	29-May-91			5953.67
	05-Jul-91			5952.69
	06-Aug-91			5951.77

Well	Date	Water Level	Water Level	Water Level
2786	30-Sep-86	5852.71		
	01-Oct-86	5833.33		
	13-Oct-86	5833.45		
	17-Oct-86	5834.52		
	21-Oct-86	5836.43		
	28-Oct-86	5839.76		
	05-Nov-86	5840.83		
	07-Nov-86	5832.33		
	26-Nov-86	5847.99		
	01-Jan-87	5885.22		
	25-Feb-87	5864.89		
	19-Mar-87	5902.68		
	08-May-87	5856.89		
	03-Jun-87	5875.71		
	08-Jul-87	5848.78		
	04-Aug-87	5871.53		
	03-Sep-87	5889.43		
	22-Sep-87	5896.33		
	21-Oct-87	5863.23		
	09-Nov-87	5876.83		
	22-Dec-87	5893.83		
	27-Jan-88	5881.13		
	29-Feb-88	5893.43		
	21-Mar-88	5899.53		
	18-Apr-88	5864.63		
	17-May-88	5884.53		
	15-Jun-88	5868.93		
	15-Jul-88	5886.83		
	18-Aug-88	5892.13		
	15-Sep-88	5854.33		
	22-Oct-88	5872.43		
	15-Nov-88	5890.03		
	15-Dec-88	5840.43		
	15-Jan-89	5879.13		
	24-Feb-89	5889.93		
	31-Mar-89	5893.33		
	27-Apr-89	5878.73		
	26-May-89	5888.03		
	30-Jun-89	5873.43		
	28-Jul-89	5887.53		
	30-Aug-89	5896.64		
	11-Sep-89	5900.49		
	30-Oct-89	5878.51		
	17-Jan-90	5882.11		
	13-Feb-90	5892.82		
	24-Apr-90	5884.73		
	14-May-90	5837.43		
	14-May-90	5837.43		
	10-Jul-90	5877.85		
	03-Aug-90	5888.50		
	01-Oct-90	5880.37		
	13-Nov-90	5896.32		
	04-Jan-91	5876.02		
	24-Apr-91	5906.58		
	10-Jun-91	5869.28		
	03-Jul-91	5853.01		
	23-Jul-91	5868.81		

Well	Date	Water Level	Water Level	Water Level
B208189	31-Aug-89		5913.77	
	12-Sep-89		5909.00	
	17-Jan-90		5915.84	
	21-Feb-90		5917.28	
	11-Apr-90		5917.21	
	25-May-90		5919.69	
	25-May-90		5919.69	
	10-Jul-90		5912.45	
	03-Aug-90		5914.08	
	02-Oct-90		5913.30	
	12-Nov-90		5915.81	
	02-Jan-91		5912.39	
	21-Jan-91		5913.67	
	01-Apr-91		5913.70	
	18-Apr-91		5914.68	
	02-Jul-91		5916.31	
	09-Jul-91		5916.66	
P208889	12-Sep-89			5858.58
	19-Sep-89			5859.84
	17-Jan-90			5864.02
	05-Feb-90			5867.68
	25-Apr-90			5862.15
	22-Jun-90			5852.90
	22-Jun-90			5852.90
	10-Jul-90			5848.05
	16-Aug-90			5857.87
	02-Oct-90			5856.48
	17-Dec-90			5851.33
	04-Jan-91			5852.88
	25-Mar-91			5866.97
	06-Jun-91			5860.84
	03-Jul-91			5852.84
	30-Jul-91			5856.64

Well No	Depth	Date
1486	9.8	19-JAN-00
1486	20.9	05-SEP-86
1486	18.79	08-SEP-86
1486	25.22	09-SEP-86
1486	31.12	11-SEP-86
1486	34.23	12-SEP-86
1486	32.84	13-SEP-86
1486	25.68	17-SEP-86
1486	12.91	13-OCT-86
1486	10.64	26-NOV-86
1486	9.67	01-JAN-87
1486	9.67	02-MAR-87
1486	9.85	01-APR-87
1486	10.77	06-MAY-87
1486	10.39	01-JUN-87
1486	10.9	08-JUL-87
1486	10.9	05-AUG-87
1486	10.5	28-SEP-87
1486	10.2	03-NOV-87
1486	9.7	08-DEC-87
1486	9.3	07-JAN-88
1486	9.4	04-FEB-88
1486	9.6	14-MAR-88
1486	10.1	11-APR-88
1486	10.2	12-MAY-88
1486	57.4	15-JUN-88
1486	10.9	15-JUL-88
1486	10.9	18-AUG-88
1486	10.8	15-SEP-88
1486	10.4	22-OCT-88
1486	10	15-NOV-88
1486	18	15-DEC-88
1486	9.5	15-JAN-89
1486	9.5	17-FEB-89
1486	10	10-MAR-89
1486	10.2	25-APR-89
1486	10.3	12-MAY-89
1486	10.8	30-JUN-89
1486	11.01	21-JUL-89
1486	10.88	11-AUG-89
1486	13.44	12-SEP-89
1486	9.7	29-NOV-89
1486	9.8	17-JAN-90
1486	9.58	20-MAR-90
1486	10.53	11-APR-90
1486	37.42	04-MAY-90
1486	37.42	04-MAY-90
1486	11.05	10-JUL-90
1486	11.08	19-JUL-90
1486	10.80	02-OCT-90
1486	10.52	24-OCT-90
1486	9.81	02-JAN-91
1486	9.86	14-MAR-91
1486	10.71	01-APR-91
1486	10.48	23-APR-91
1486	11.01	02-JUL-91
1486	10.98	11-JUL-91
1686	12.66	02-SEP-86

Well No	Depth	Date
1686	38.94	03-SEP-86
1686	34.75	04-SEP-86
1686	34.04	05-SEP-86
1686	36.26	06-SEP-86
1686	29.5	08-SEP-86
1686	37.92	09-SEP-86
1686	37.8	10-SEP-86
1686	37.34	11-SEP-86
1686	39.14	12-SEP-86
1686	39.23	13-SEP-86
1686	45.35	13-SEP-86
1686	30.71	18-SEP-86
1686	7.19	13-OCT-86
1686	5.68	26-NOV-86
1686	5.04	01-JAN-87
1686	5.15	01-FEB-87
1686	5.1	01-APR-87
1686	9.79	06-MAY-87
1686	5.81	01-JUN-87
1686	6.4	08-JUL-87
1686	6.6	06-AUG-87
1686	6.8	01-SEP-87
1686	6.4	28-SEP-87
1686	6	03-NOV-87
1686	5.5	08-DEC-87
1686	5.3	07-JAN-88
1686	5.2	04-FEB-88
1686	5.3	14-MAR-88
1686	5.6	11-APR-88
1686	5.8	12-MAY-88
1686	6.5	15-JUN-88
1686	6.8	15-JUL-88
1686	6.8	18-AUG-88
1686	76.9	18-AUG-88
1686	6.8	15-SEP-88
1686	6.6	22-OCT-88
1686	5.9	15-NOV-88
1686	35	15-DEC-88
1686	5.3	15-JAN-89
1686	5.2	17-FEB-89
1686	5.6	10-MAR-89
1686	5.8	26-APR-89
1686	6	12-MAY-89
1686	6.6	30-JUN-89
1686	6.91	21-JUL-89
1686	6.87	11-AUG-89
1686	12.28	13-SEP-89
1686	6.32	13-NOV-89
1686	5.66	17-JAN-90
1686	5.4	16-MAR-90
1686	5.85	11-MAY-90
1686	5.85	11-MAY-90
1686	6.81	10-JUL-90
1686	6.8	25-SEP-90
1686	13.69	02-OCT-90
1686	6.78	22-OCT-90
1686	5.73	02-JAN-91
1686	5.68	14-MAR-91

Well No	Depth	Date
1686	6.90	01-APR-91
1686	6.22	23-APR-91
1686	6.92	02-JUL-91
1686	6.99	09-JUL-91
2287BR	80.8	11-SEP-89
2287BR	80.45	10-NOV-89
2287BR	78.7	17-JAN-90
2287BR	80.3	08-FEB-90
2386	107.75	01-OCT-86
2386	91.79	17-NOV-86
2386	113.25	18-NOV-86
2386	115.61	19-NOV-86
2386	113.22	25-NOV-86
2386	93.92	01-JAN-87
2386	79.25	25-FEB-87
2386	73	18-MAR-87
2386	104.38	08-MAY-87
2386	94.02	03-JUN-87
2386	113.05	08-JUL-87
2386	98.6	04-AUG-87
2386	87.8	03-SEP-87
2386	87.8	23-SEP-87
2386	95.1	28-OCT-87
2386	94.9	09-NOV-87
2386	94.5	21-DEC-87
2386	95	29-FEB-88
2386	89.7	21-MAR-88
2386	104.9	18-APR-88
2386	93.6	17-MAY-88
2386	103.6	15-JUN-88
2386	93	15-JUL-88
2386	88.5	18-AUG-88
2386	105.9	15-SEP-88
2386	98.1	22-OCT-88
2386	26.1	15-NOV-88
2386	105	15-DEC-88
2386	79.5	24-FEB-89
2386	78.1	31-MAR-89
2386	89.1	27-APR-89
2386	55.67	12-SEP-89
2386	47.2	06-NOV-89
2386	91.42	17-JAN-90
2386	71.81	22-MAR-90
2386	102.96	25-APR-90
2386	91.55	25-MAY-90
2386	91.55	25-MAY-90
2386	97.17	11-JUL-90
2386	85.45	13-AUG-90
2386	95.27	02-OCT-90
2386	80.73	14-NOV-90
2386	93.82	04-JAN-91
2386	62.56	24-APR-91
2386	101.51	30-MAY-91
2386	103.44	03-JUL-91
2386	92.27	31-JUL-91
2586	71.05	30-SEP-86
2586	77.93	01-OCT-86
2586	71.42	13-OCT-86

Well No	Depth	Date
2586	76.73	21-OCT-86
2586	74.59	28-OCT-86
2586	74.24	05-NOV-86
2586	78.65	06-NOV-86
2586	79.52	07-NOV-86
2586	71.94	26-NOV-86
2586	31.83	01-JAN-87
2586	23.92	25-FEB-87
2586	21.75	18-MAR-87
2586	35.38	08-MAY-87
2586	27.25	03-JUN-87
2586	71.7	08-JUL-87
2586	24.7	04-AUG-87
2586	32.6	27-AUG-87
2586	31.4	03-SEP-87
2586	28.6	09-NOV-87
2586	28.4	21-DEC-87
2586	21	11-JAN-88
2586	34.6	29-FEB-88
2586	27.8	21-MAR-88
2586	40.7	18-APR-88
2586	28.6	17-MAY-88
2586	45.2	15-JUN-88
2586	31	15-JUL-88
2586	27.3	18-AUG-88
2586	58.1	15-SEP-88
2586	41.6	22-OCT-88
2586	27.8	15-NOV-88
2586	72.6	15-DEC-88
2586	34.5	15-JAN-89
2586	27.6	24-FEB-89
2586	25.9	31-MAR-89
2586	35.9	27-APR-89
2586	29.4	26-MAY-89
2586	41.5	30-JUN-89
2586	30.31	28-JUL-89
2586	25.15	30-AUG-89
2586	67.23	11-SEP-89
2586	35.52	08-NOV-89
2586	30.75	17-JAN-90
2586	24.4	22-FEB-90
2586	35.00	24-APR-90
2586	26.87	25-MAY-90
2586	26.87	25-MAY-90
2586	41.52	10-JUL-90
2586	26.16	28-AUG-90
2586	48.15	01-OCT-90
2586	42.19	10-OCT-90
2586	28.18	04-JAN-91
2586	27.76	07-JAN-91
2586	22.58	10-JUN-91
2586	60.32	03-JUL-91
2586	44.22	23-JUL-91
2786	111.22	30-SEP-86
2786	130.6	01-OCT-86
2786	130.48	13-OCT-86
2786	129.41	17-OCT-86
2786	127.5	21-OCT-86

Well No	Depth	Date
2786	124.17	28-OCT-86
2786	123.1	05-NOV-86
2786	131.6	07-NOV-86
2786	115.94	26-NOV-86
2786	78.71	01-JAN-87
2786	99.04	25-FEB-87
2786	61.25	19-MAR-87
2786	107.04	08-MAY-87
2786	88.22	03-JUN-87
2786	115.15	08-JUL-87
2786	92.4	04-AUG-87
2786	74.5	03-SEP-87
2786	67.6	22-SEP-87
2786	100.7	21-OCT-87
2786	87.1	09-NOV-87
2786	70.1	22-DEC-87
2786	82.8	27-JAN-88
2786	70.5	29-FEB-88
2786	64.4	21-MAR-88
2786	99.3	18-APR-88
2786	79.4	17-MAY-88
2786	95	15-JUN-88
2786	77.1	15-JUL-88
2786	71.8	18-AUG-88
2786	109.6	15-SEP-88
2786	91.5	22-OCT-88
2786	73.9	15-NOV-88
2786	123.5	15-DEC-88
2786	84.8	15-JAN-89
2786	74	24-FEB-89
2786	70.6	31-MAR-89
2786	85.2	27-APR-89
2786	75.9	26-MAY-89
2786	90.5	30-JUN-89
2786	76.4	28-JUL-89
2786	67.29	30-AUG-89
2786	63.44	11-SEP-89
2786	85.42	30-OCT-89
2786	81.82	17-JAN-90
2786	71.11	13-FEB-90
2786	79.20	24-APR-90
2786	126.50	14-MAY-90
2786	126.50	14-MAY-90
2786	86.08	10-JUL-90
2786	75.43	03-AUG-90
2786	83.56	01-OCT-90
2786	67.61	13-NOV-90
2786	87.91	04-JAN-91
2786	57.35	24-APR-91
2786	94.65	10-JUN-91
2786	110.92	03-JUL-91
2786	95.12	23-JUL-91
3286	54	22-SEP-86
3286	66.34	13-OCT-86
3286	103.5	17-OCT-86
3286	101.52	21-OCT-86
3286	89.67	28-OCT-86
3286	89.2	04-NOV-86

Well No	Depth	Date
3286	112.6	05-NOV-86
3286	119.77	06-NOV-86
3286	115.89	07-NOV-86
3286	72.32	26-NOV-86
3286	54.92	01-JAN-87
3286	53.77	25-FEB-87
3286	53.33	23-MAR-87
3286	110	24-MAR-87
3286	64.33	08-MAY-87
3286	55.74	03-JUN-87
3286	82.1	08-JUL-87
3286	57	04-AUG-87
3286	54.4	03-SEP-87
3286	58.3	21-OCT-87
3286	54.4	09-NOV-87
3286	54.4	17-NOV-87
3286	54.1	22-DEC-87
3286	54.8	01-FEB-88
3286	54	29-FEB-88
3286	54.7	21-MAR-88
3286	57.2	18-APR-88
3286	55.7	15-JUN-88
3286	54.3	15-JUL-88
3286	53.8	18-AUG-88
3286	61.7	15-SEP-88
3286	55.8	22-OCT-88
3286	54.1	15-NOV-88
3286	74.5	15-DEC-88
3286	54.5	15-JAN-89
3286	53.7	24-FEB-89
3286	53.5	31-MAR-89
3286	54.7	27-APR-89
3286	53.8	26-MAY-89
3286	59.5	30-JUN-89
3286	54.25	28-JUL-89
3286	53.6	30-AUG-89
3286	53.5	12-SEP-89
3286	54.65	14-NOV-89
3286	54.14	17-JAN-90
3286	53.16	12-MAR-90
3286	55.51	25-APR-90
3286	65.51	10-JUL-90
3286	53.93	31-AUG-90
3286	58.42	02-OCT-90
3286	55.10	23-OCT-90
3286	54.30	04-JAN-91
3286	53.03	25-APR-91
3286	57.55	30-MAY-91
3286	59.06	03-JUL-91
3286	54.71	06-AUG-91
3286	53.12	21-JUN-92
3286	53.12	21-JUN-92
3486	22.38	05-SEP-86
3486	22.4	08-SEP-86
3486	22.63	09-SEP-86
3486	22.77	10-SEP-86
3486	23.48	11-SEP-86
3486	24.25	12-SEP-86

Well No	Depth	Date
3486	22.96	13-OCT-86
3486	22.77	26-NOV-86
3486	22.38	01-JAN-87
3486	22.17	01-FEB-87
3486	22.05	17-MAR-87
3486	21.98	08-MAY-87
3486	22.8	02-JUN-87
3486	21.65	07-JUL-87
3486	22.1	27-JUL-87
3486	22.4	04-AUG-87
3486	22.2	01-SEP-87
3486	22.4	29-SEP-87
3486	23.5	03-NOV-87
3486	22.26	01-DEC-87
3486	23.3	21-DEC-87
3486	22.1	11-JAN-88
3486	22	29-FEB-88
3486	22	21-MAR-88
3486	21.9	18-APR-88
3486	22.2	16-MAY-88
3486	21.9	15-JUN-88
3486	21.9	15-JUL-88
3486	22	18-AUG-88
3486	22.1	15-SEP-88
3486	22.2	22-OCT-88
3486	22.3	15-NOV-88
3486	22.2	15-DEC-88
3486	21.9	15-JAN-89
3486	21.9	24-FEB-89
3486	21.9	31-MAR-89
3486	21.7	27-APR-89
3486	21.6	26-MAY-89
3486	21.6	30-JUN-89
3486	21.66	28-JUL-89
3486	21.62	30-AUG-89
3486	21.65	12-SEP-89
3486	21.8	29-NOV-89
3486	21.75	17-JAN-90
3486	21.7	24-JAN-90
3486	21.20	11-APR-90
3486	21.25	21-MAY-90
3486	21.25	21-MAY-90
3486	21.42	11-JUL-90
3486	21.40	30-JUL-90
3486	21.62	03-OCT-90
3486	22.71	18-OCT-90
3486	21.73	02-JAN-91
3486	21.49	14-MAR-91
3486	21.78	01-APR-91
3486	21.51	22-APR-91
3486	21.36	03-JUL-91
3486	21.38	08-JUL-91
3987	85.93	25-APR-90
3987	109.64	22-JUN-90
3987	109.64	22-JUN-90
3987	109.84	10-JUL-90
3987	94.52	16-AUG-90
3987	96.69	02-OCT-90

Well No	Depth	Date
3987	114.30	17-DEC-90
3987	109.41	04-JAN-91
3987	75.75	24-APR-91
3987	98.90	05-JUN-91
3987	105.03	03-JUL-91
3987	94.25	30-JUL-91
P208889	90.67	12-SEP-89
P208889	89.41	19-SEP-89
P208889	85.23	17-JAN-90
P208889	81.57	05-FEB-90
P208889	87.10	25-APR-90
P208889	96.35	22-JUN-90
P208889	96.35	22-JUN-90
P208889	101.20	10-JUL-90
P208889	91.38	16-AUG-90
P208889	92.77	02-OCT-90
P208889	97.92	17-DEC-90
P208889	96.37	04-JAN-91
P208889	82.28	25-MAR-91
P208889	88.41	06-JUN-91
P208889	96.41	03-JUL-91
P208889	92.61	30-JUL-91

Page #: 00001 Date: 09/24/91

water level from top of stick up

Well No	Depth	Date
0260	17	01-FEB-82
0260	16	01-MAY-82
0260	20	01-AUG-82
0260	18	01-DEC-82
0260	16	01-FEB-83
0260	3	01-JUN-83
0260	15	12-AUG-83
0260	18	15-NOV-83
0260	-1	01-JUN-84
0260	-1	01-MAR-85
0260	3.43	27-MAR-85
0260	5.81	28-AUG-86
0260	19.05	29-AUG-86
0260	20.65	02-SEP-86
0260	21.71	03-SEP-86
0260	21.57	04-SEP-86
0260	21.16	06-SEP-86
0260	20.49	10-SEP-86
0260	8.25	01-JAN-87
0260	6.77	01-FEB-87
0260	1.5	19-MAR-87
0260	2.6	08-MAY-87
0260	12.4	08-JUL-87
0260	5.7	23-SEP-87
0260	15	21-OCT-87
0260	12.5	09-NOV-87
0260	12.3	22-DEC-87
0260	15.1	01-FEB-88
0260	12.1	29-FEB-88
0260	17.3	21-MAR-88
0260	12.5	18-APR-88
0260	7.2	16-MAY-88
0260	6	15-JUN-88
0260	5.5	15-JUL-88
0260	5.6	18-AUG-88
0260	15.3	15-SEP-88
0260	11.8	22-OCT-88
0260	7	15-NOV-88
0260	18	15-DEC-88
0260	8	15-JAN-89
0260	7.6	24-FEB-89
0260	1.7	31-MAR-89
0260	4.1	27-APR-89
0260	4.8	26-MAY-89
0260	4.7	30-JUN-89
0260	4.94	28-JUL-89
0260	4.97	30-AUG-89
0260	5.62	27-NOV-89
0260	12.7	17-JAN-90
0260	5.99	09-MAR-90
0260	2.88	26-APR-90
0260	4.70	06-JUN-90
0260	4.70	06-JUN-90
0260	13.31	10-JUL-90
0260	5.61	14-AUG-90
0260	7.31	02-OCT-90
0260	5.93	29-OCT-90
0260	8.16	08-JAN-91

Well No	Depth	Date
0260	19.00	29-APR-91
0260	2.96	12-JUN-91
0260	14.76	05-JUL-91
0260	10.98	01-AUG-91
0460	8	01-FEB-82
0460	2	01-MAY-82
0460	4	01-AUG-82
0460	5	01-DEC-82
0460	2	01-JUN-83
0460	4.5	10-AUG-83
0460	5	01-SEP-83
0460	6	01-NOV-83
0460	2	01-MAY-84
0460	4	01-JUN-84
0460	4	01-MAR-85
0460	6.31	27-MAR-85
0460	5.5	01-JUL-85
0460	7.8	28-AUG-86
0460	8.01	29-AUG-86
0460	8.05	02-SEP-86
0460	8.29	03-SEP-86
0460	7.25	01-JAN-87
0460	8.94	01-FEB-87
0460	1.67	19-MAR-87
0460	1.54	08-MAY-87
0460	2.9	08-JUL-87
0460	6.2	10-SEP-87
0460	7.3	21-OCT-87
0460	7.5	09-NOV-87
0460	7.4	22-DEC-87
0460	7.4	27-JAN-88
0460	6.4	29-FEB-88
0460	5.8	21-MAR-88
0460	4.6	18-APR-88
0460	4.9	17-MAY-88
0460	4.4	15-JUN-88
0460	4.1	15-JUL-88
0460	4.7	18-AUG-88
0460	5.2	15-SEP-88
0460	6	22-OCT-88
0460	7	15-NOV-88
0460	7.4	15-DEC-88
0460	7.5	15-JAN-89
0460	6	24-FEB-89
0460	4.9	31-MAR-89
0460	5	27-APR-89
0460	3.2	26-MAY-89
0460	4.5	30-JUN-89
0460	5.4	28-JUL-89
0460	5.4	30-AUG-89
0460	6.31	15-NOV-89
0460	7.59	17-JAN-90
0460	.7	15-MAR-90
0460	3.11	30-APR-90
0460	3.54	11-MAY-90
0460	3.54	11-MAY-90
0460	4.92	10-JUL-90
0460	6.57	20-AUG-90

Well No	Depth	Date
0460	6.34	03-OCT-90
0460	6.85	01-NOV-90
0460	7.84	08-JAN-91
0460	6.90	24-APR-91
0460	4.60	10-JUN-91
0460	5.29	03-JUL-91
0460	5.14	05-AUG-91
1386	-1	27-AUG-86
1386	-1	03-SEP-86
1386	-1	13-OCT-86
1386	11.15	26-NOV-86
1386	9.71	01-JAN-87
1386	9	02-MAR-87
1386	9.67	01-APR-87
1386	9.67	06-MAY-87
1386	9.04	01-JUN-87
1386	9.6	08-JUL-87
1386	9.1	04-AUG-87
1386	10	01-SEP-87
1386	9.4	28-SEP-87
1386	8.8	03-NOV-87
1386	9.7	08-DEC-87
1386	7.8	07-JAN-88
1386	7.7	04-FEB-88
1386	7.2	14-MAR-88
1386	8.4	11-APR-88
1386	7.9	12-MAY-88
1386	8.7	15-JUN-88
1386	8.4	15-JUL-88
1386	8.3	18-AUG-88
1386	9.4	15-SEP-88
1386	9	22-OCT-88
1386	7.2	15-NOV-88
1386	6.6	15-DEC-88
1386	5.7	15-JAN-89
1386	5.5	17-FEB-89
1386	4.7	10-MAR-89
1386	5.5	25-APR-89
1386	5.6	12-MAY-89
1386	6.2	15-JUN-89
1386	6.64	14-JUL-89
1386	6.9	11-AUG-89
1386	8.92	12-SEP-89
1386	8.86	13-NOV-89
1386	5.5	17-JAN-90
1386	5.44	22-FEB-90
1386	4.37	11-APR-90
1386	5.82	25-MAY-90
1386	5.82	25-MAY-90
1386	7.67	10-JUL-90
1386	7.32	02-AUG-90
1386	11.00	07-AUG-90
1386	9.92	11-SEP-90
1386	7.72	03-OCT-90
1386	6.20	15-OCT-90
1386	5.74	07-NOV-90
1386	5.52	06-DEC-90
1386	5.20	02-JAN-91

Well No	Depth	Date
1386	5.50	14-MAR-91
1386	5.58	01-APR-91
1386	5.48	23-APR-91
1386	5.57	06-MAY-91
1386	4.98	06-JUN-91
1386	6.29	02-JUL-91
1386	6.31	15-JUL-91
1386	8.83	07-AUG-91
1386	6.49	05-SEP-91
1586	7.05	04-SEP-86
1586	7.17	05-SEP-86
1586	7.05	06-SEP-86
1586	6.67	08-SEP-86
1586	6.6	13-OCT-86
1586	6.89	26-NOV-86
1586	6.67	01-JAN-87
1586	6.4	01-FEB-87
1586	4.96	01-APR-87
1586	5.44	06-MAY-87
1586	6.71	01-JUN-87
1586	6.7	08-JUL-87
1586	7.1	04-AUG-87
1586	7	05-AUG-87
1586	6.8	01-SEP-87
1586	7.1	28-SEP-87
1586	6.8	03-NOV-87
1586	6.7	08-DEC-87
1586	6.7	07-JAN-88
1586	6.7	04-FEB-88
1586	6.6	14-MAR-88
1586	6.7	11-APR-88
1586	6.8	12-MAY-88
1586	7	15-JUN-88
1586	7	15-JUL-88
1586	7.4	18-AUG-88
1586	7.3	15-SEP-88
1586	7.1	22-OCT-88
1586	7	15-NOV-88
1586	7	15-DEC-88
1586	6.9	15-JAN-89
1586	6.8	17-FEB-89
1586	6.4	10-MAR-89
1586	6.4	25-APR-89
1586	6.3	12-MAY-89
1586	7	30-JUN-89
1586	7.21	21-JUL-89
1586	7.25	11-AUG-89
1586	6.78	12-SEP-89
1586	7.08	16-NOV-89
1586	6.87	17-JAN-90
1586	6.81	23-FEB-90
1586	5.44	11-APR-90
1586	6.26	04-MAY-90
1586	6.26	04-MAY-90
1586	6.81	10-JUL-90
1586	7.03	19-JUL-90
1586	7.13	02-OCT-90
1586	7.04	10-OCT-90

Well No	Depth	Date
1586	6.98	02-JAN-91
1586	6.73	04-MAR-91
1586	6.34	01-APR-91
1586	6.47	18-APR-91
1586	6.94	02-JUL-91
1586	6.75	11-JUL-91
1786	5.4	12-MAY-09
1786	6.49	02-SEP-86
1786	6.54	05-SEP-86
1786	6.5	06-SEP-86
1786	6.22	08-SEP-86
1786	6.31	09-SEP-86
1786	6.46	17-SEP-86
1786	6.5	19-SEP-86
1786	6.33	22-SEP-86
1786	6.43	25-SEP-86
1786	6.1	13-OCT-86
1786	6.35	26-NOV-86
1786	6.42	01-JAN-87
1786	6.35	01-FEB-87
1786	4.54	01-APR-87
1786	5.1	06-MAY-87
1786	5.84	01-JUN-87
1786	5.7	08-JUL-87
1786	6.1	05-AUG-87
1786	6	01-SEP-87
1786	6.3	28-SEP-87
1786	6.1	03-NOV-87
1786	6.4	08-DEC-87
1786	6.4	07-JAN-88
1786	6.3	04-FEB-88
1786	6.2	14-MAR-88
1786	5.2	11-APR-88
1786	6.3	12-MAY-88
1786	6.3	15-JUN-88
1786	6.4	15-JUL-88
1786	6.4	18-AUG-88
1786	6.2	15-SEP-88
1786	6.3	22-OCT-88
1786	6.3	15-NOV-88
1786	6.3	15-DEC-88
1786	6.4	15-JAN-89
1786	6.5	17-FEB-89
1786	6.2	10-MAR-89
1786	6.5	25-APR-89
1786	5.1	12-MAY-89
1786	6.5	30-JUN-89
1786	6.57	21-JUL-89
1786	6.67	11-AUG-89
1786	6.06	13-SEP-89
1786	5.74	04-DEC-89
1786	6.61	17-JAN-90
1786	6.23	13-FEB-90
1786	5.36	11-APR-90
1786	6.31	07-MAY-90
1786	6.31	07-MAY-90
1786	6.45	10-JUL-90
1786	6.41	20-JUL-90

Well No	Depth	Date
1786	6.48	07-AUG-90
1786	6.51	11-SEP-90
1786	6.31	02-OCT-90
1786	6.30	12-OCT-90
1786	6.20	06-NOV-90
1786	16.49	06-DEC-90
1786	6.62	02-JAN-91
1786	6.17	04-MAR-91
1786	6.83	01-APR-91
1786	6.61	18-APR-91
1786	6.08	06-MAY-91
1786	6.18	06-JUN-91
1786	6.75	02-JUL-91
1786	6.74	09-JUL-91
1786	6.33	07-AUG-91
1786	6.68	05-SEP-91
1886	-1	03-SEP-86
1886	-1	13-OCT-86
1886	-1	26-NOV-86
1886	-1	01-JAN-87
1886	-1	01-FEB-87
1886	-1	01-APR-87
1886	-1	06-MAY-87
1886	-1	01-JUN-87
1886	-1	08-JUL-87
1886	-1	06-AUG-87
1886	-1	01-SEP-87
1886	-1	28-SEP-87
1886	-1	03-NOV-87
1886	-1	08-DEC-87
1886	-1	07-JAN-88
1886	-1	04-FEB-88
1886	-1	14-MAR-88
1886	-1	11-APR-88
1886	9.3	15-JUN-88
1886	-1	15-JUL-88
1886	9.8	18-AUG-88
1886	-1	15-SEP-88
1886	-1	22-OCT-88
1886	9.8	15-NOV-88
1886	-1	15-DEC-88
1886	-1	15-JAN-89
1886	-1	17-FEB-89
1886	8.2	14-MAR-89
1886	8.1	26-APR-89
1886	8.4	12-MAY-89
1886	-1	30-JUN-89
1886	-1	21-JUL-89
1886	-1	11-AUG-89
1886	-1	12-SEP-89
1886	-1	14-DEC-89
1886	-1	17-JAN-90
1886	7.56	11-APR-90
1886	8.99	24-MAY-90
1886	8.99	24-MAY-90
1886	DRY	11-JUL-90
1886	DRY	07-AUG-90
1886	DRY	10-SEP-90

Well No	Depth	Date
1886	DRY	11-SEP-90
1886	DRY	02-OCT-90
1886	DRY	31-OCT-90
1886	DRY	07-NOV-90
1886	DRY	06-DEC-90
1886	DRY	02-JAN-91
1886	DRY	02-JAN-91
1886	DRY	02-APR-91
1886	DRY	06-MAY-91
1886	DRY	10-JUN-91
1886	DRY	02-JUL-91
1886	DRY	07-AUG-91
1886	DRY	05-SEP-91
2086	-1	12-SEP-86
2086	-1	13-OCT-86
2086	-1	26-NOV-86
2086	-1	01-JAN-87
2086	-1	25-FEB-87
2086	-1	24-MAR-87
2086	-1	08-MAY-87
2086	-1	03-JUN-87
2086	11.8	08-JUL-87
2086	12	04-AUG-87
2086	-1	03-SEP-87
2086	-1	24-SEP-87
2086	-1	21-OCT-87
2086	-1	09-NOV-87
2086	-1	17-NOV-87
2086	-1	22-DEC-87
2086	-1	01-FEB-88
2086	-1	29-FEB-88
2086	-1	21-MAR-88
2086	-1	18-APR-88
2086	-1	16-MAY-88
2086	10.6	15-JUN-88
2086	-1	15-JUL-88
2086	-1	18-AUG-88
2086	-1	15-SEP-88
2086	-1	22-OCT-88
2086	-1	15-NOV-88
2086	12	15-DEC-88
2086	-1	15-JAN-89
2086	-1	24-FEB-89
2086	-1	31-MAR-89
2086	-1	27-APR-89
2086	-1	26-MAY-89
2086	11.8	30-JUN-89
2086	-1	28-JUL-89
2086	-1	30-AUG-89
2086	-1	11-SEP-89
2086	-1	03-NOV-89
2086	-1	17-JAN-90
2086	11.36	26-APR-90
2086	11.58	08-MAY-90
2086	11.58	08-MAY-90
2086	11.91	10-JUL-90
2086	DRY	10-AUG-90
2086	DRY	23-AUG-90

Well No	Depth	Date
2086	DRY	05-SEP-90
2086	DRY	02-OCT-90
2086		24-OCT-90
2086		05-JUL-91
2086	NA	05-AUG-91
2086	0.00	04-SEP-91
2187	7.3	12-NOV-87
2187	-1	01-DEC-87
2187	7.2	22-DEC-87
2187	7.4	27-JAN-88
2187	7.1	29-FEB-88
2187	8.4	21-MAR-88
2187	7.8	18-APR-88
2187	8.8	17-MAY-88
2187	9.7	15-JUN-88
2187	8.5	15-JUL-88
2187	8	18-AUG-88
2187	7.9	15-SEP-88
2187	7.6	22-OCT-88
2187	9.5	15-NOV-88
2187	9.4	15-DEC-88
2187	9.2	15-JAN-89
2187	8.6	24-FEB-89
2187	9	31-MAR-89
2187	5.6	27-APR-89
2187	5.4	25-MAY-89
2187	6.4	30-JUN-89
2187	6.11	28-JUL-89
2187	5.94	30-AUG-89
2187	8.01	11-SEP-89
2187	7.05	10-NOV-89
2187	10.35	17-JAN-90
2187	9.69	06-FEB-90
2187	8.33	24-APR-90
2187	7.50	18-MAY-90
2187	7.50	18-MAY-90
2187	8.69	10-JUL-90
2187	6.42	05-SEP-90
2187	10.29	01-OCT-90
2187	8.96	11-DEC-90
2187	10.95	04-JAN-91
2187	7.93	23-APR-91
2187	8.97	10-JUN-91
2187	10.27	03-JUL-91
2187	8.52	05-AUG-91
2286	8.38	12-SEP-86
2286	8.52	13-SEP-86
2286	8.25	15-SEP-86
2286	8.22	16-SEP-86
2286	8.28	17-SEP-86
2286	8.22	19-SEP-86
2286	7.22	13-OCT-86
2286	7.35	26-NOV-86
2286	8.5	01-JAN-87
2286	7.29	25-FEB-87
2286	6.17	24-MAR-87
2286	5.71	08-MAY-87
2286	6.8	03-JUN-87

Well No	Depth	Date
2286	6.25	08-JUL-87
2286	6.8	04-AUG-87
2286	5.6	27-AUG-87
2286	5.9	03-SEP-87
2286	8	21-OCT-87
2286	8.4	09-NOV-87
2286	8	21-DEC-87
2286	6.6	11-JAN-88
2286	7.3	29-FEB-88
2286	7.2	21-MAR-88
2286	6.7	18-APR-88
2286	7	17-MAY-88
2286	6.7	15-JUN-88
2286	7	15-JUL-88
2286	7.7	18-AUG-88
2286	7.7	15-SEP-88
2286	8.1	22-OCT-88
2286	9.4	15-NOV-88
2286	9.5	15-DEC-88
2286	9.6	15-JAN-89
2286	8.2	24-FEB-89
2286	7.6	31-MAR-89
2286	7.5	27-APR-89
2286	5.9	25-MAY-89
2286	7.3	30-JUN-89
2286	8.22	28-JUL-89
2286	7.04	30-AUG-89
2286	6.62	11-SEP-89
2286	8.33	06-NOV-89
2286	10.26	17-JAN-90
2286	10.54	16-FEB-90
2286	7.34	25-APR-90
2286	7.60	09-MAY-90
2286	7.60	09-MAY-90
2286	8.86	11-JUL-90
2286	7.87	27-JUL-90
2286	8.37	02-OCT-90
2286	8.66	12-OCT-90
2286	10.61	04-JAN-91
2286	10.75	07-JAN-91
2286	7.60	29-MAY-91
2286	8.21	03-JUL-91
2286	8.52	30-JUL-91
2486	-1	16-SEP-86
2486	-1	13-OCT-86
2486	-1	26-NOV-86
2486	-1	01-JAN-87
2486	-1	25-FEB-87
2486	-1	18-MAR-87
2486	-1	08-MAY-87
2486	-1	03-JUN-87
2486	8.65	08-JUL-87
2486	-1	04-AUG-87
2486	-1	03-SEP-87
2486	-1	24-SEP-87
2486	-1	28-OCT-87
2486	-1	09-NOV-87
2486	-1	21-DEC-87

Well No	Depth	Date
2486	-1	11-JAN-88
2486	-1	29-FEB-88
2486	-1	21-MAR-88
2486	8.7	18-APR-88
2486	8.2	15-JUN-88
2486	-1	15-JUL-88
2486	8.7	18-AUG-88
2486	8.7	15-SEP-88
2486	-1	22-OCT-88
2486	-1	15-NOV-88
2486	8.7	15-DEC-88
2486	8.4	15-JAN-89
2486	-1	24-FEB-89
2486	-1	31-MAR-89
2486	-1	27-APR-89
2486	8.7	26-MAY-89
2486	-1	30-JUN-89
2486	-1	28-JUL-89
2486	-1	30-AUG-89
2486	8.58	11-SEP-89
2486	-1	06-NOV-89
2486	-1	17-JAN-90
2486	8.55	25-APR-90
2486	DRY	20-MAY-90
2486	DRY	20-MAY-90
2486	DRY	11-JUL-90
2486	DRY	10-AUG-90
2486	DRY	22-AUG-90
2486	DRY	05-SEP-90
2486	DRY	02-OCT-90
2486	DRY	01-NOV-90
2486	DRY	02-NOV-90
2486	**.**	04-JAN-91
2486	DRY	24-APR-91
2486	7.36	07-JUN-91
2486	7.51	11-JUN-91
2486	DRY	03-JUL-91
2486	DRY	02-AUG-91
2486	DRY	04-SEP-91
2686	11.6	27-JAN-86
2686	11.34	12-SEP-86
2686	11.54	13-SEP-86
2686	11.45	15-SEP-86
2686	11.63	16-SEP-86
2686	11.64	17-SEP-86
2686	11.67	18-SEP-86
2686	11.86	13-OCT-86
2686	11.6	12-NOV-86
2686	11.32	26-NOV-86
2686	10.71	01-JAN-87
2686	10.54	25-FEB-87
2686	9.48	08-MAY-87
2686	10.25	03-JUN-87
2686	10.2	08-JUL-87
2686	10.8	04-AUG-87
2686	10.7	27-AUG-87
2686	10.2	03-SEP-87
2686	11.5	21-OCT-87

Well No	Depth	Date
2686	11.6	09-NOV-87
2686	11.6	21-DEC-87
2686	11.6	27-JAN-88
2686	10.8	29-FEB-88
2686	10.7	21-MAR-88
2686	10.4	18-APR-88
2686	10.8	17-MAY-88
2686	10.8	15-JUN-88
2686	11	15-JUL-88
2686	11.1	18-AUG-88
2686	11.1	15-SEP-88
2686	11.4	22-OCT-88
2686	11.6	15-NOV-88
2686	11	15-DEC-88
2686	11.5	15-JAN-89
2686	11.2	24-FEB-89
2686	11.2	31-MAR-89
2686	10.8	27-APR-89
2686	10.8	26-MAY-89
2686	10.8	30-JUN-89
2686	11.17	28-JUL-89
2686	11.16	30-AUG-89
2686	11.26	11-SEP-89
2686	-1	07-NOV-89
2686	11.57	17-JAN-90
2686	11.72	19-FEB-90
2686	9.96	24-APR-90
2686	10.37	03-MAY-90
2686	10.37	03-MAY-90
2686	11.18	10-JUL-90
2686	11.09	26-JUL-90
2686	11.26	10-AUG-90
2686	11.53	05-SEP-90
2686	11.58	01-OCT-90
2686	11.91	02-NOV-90
2686	11.90	12-DEC-90
2686	12.20	04-JAN-91
2686	12.24	07-JAN-91
2686	10.80	10-JUN-91
2686	11.18	03-JUL-91
2686	11.42	23-JUL-91
2686	11.49	02-AUG-91
2686	11.48	04-SEP-91
2886	10.54	12-SEP-86
2886	10.67	13-SEP-86
2886	10.36	15-SEP-86
2886	10.78	16-SEP-86
2886	10.8	17-SEP-86
2886	10.63	18-SEP-86
2886	9.1	13-OCT-86
2886	8.51	26-NOV-86
2886	8.79	01-JAN-87
2886	7	25-FEB-87
2886	3.25	19-MAR-87
2886	4.38	08-MAY-87
2886	5.73	03-JUN-87
2886	5.65	08-JUL-87
2886	7.4	04-AUG-87

Well No	Depth	Date
2886	8	03-SEP-87
2886	8.9	21-OCT-87
2886	8.7	09-NOV-87
2886	8.7	22-DEC-87
2886	5.8	27-JAN-88
2886	5.6	29-FEB-88
2886	5.8	21-MAR-88
2886	5.7	18-APR-88
2886	6.3	17-MAY-88
2886	6.1	15-JUN-88
2886	6.2	15-JUL-88
2886	6.5	18-AUG-88
2886	6.8	15-SEP-88
2886	7.5	22-OCT-88
2886	8.4	15-NOV-88
2886	8.5	15-DEC-88
2886	8.8	15-JAN-89
2886	7.9	24-FEB-89
2886	7.9	31-MAR-89
2886	7.3	27-APR-89
2886	6.2	26-MAY-89
2886	6	30-JUN-89
2886	7.03	28-JUL-89
2886	7.13	30-AUG-89
2886	5.42	11-SEP-89
2886	7.2	30-OCT-89
2886	8.5	17-JAN-90
2886	8.75	13-FEB-90
2886	4.90	24-APR-90
2886	5.70	15-MAY-90
2886	5.70	15-MAY-90
2886	6.78	10-JUL-90
2886	6.84	03-AUG-90
2886	7.14	10-AUG-90
2886	7.61	05-SEP-90
2886	8.06	01-OCT-90
2886	8.61	02-NOV-90
2886	7.51	13-NOV-90
2886	8.99	04-JAN-91
2886	8.43	23-APR-91
2886	5.99	07-JUN-91
2886	6.13	10-JUN-91
2886	6.98	03-JUL-91
2886	7.38	23-JUL-91
2886	7.48	02-AUG-91
2886	7.95	04-SEP-91
2986	-1	12-SEP-86
2986	-1	24-SEP-86
2986	-1	13-OCT-86
2986	-1	26-NOV-86
2986	-1	01-JAN-87
2986	-1	25-FEB-87
2986	-1	19-MAR-87
2986	8.85	08-MAY-87
2986	9.82	03-JUN-87
2986	-1	08-JUL-87
2986	-1	04-AUG-87
2986	-1	03-SEP-87

Well No	Depth	Date
2986	-1	21-OCT-87
2986	-1	09-NOV-87
2986	-1	22-DEC-87
2986	-1	27-JAN-88
2986	-1	29-FEB-88
2986	-1	21-MAR-88
2986	-1	18-APR-88
2986	8.3	15-JUN-88
2986	10.2	15-JUL-88
2986	-1	18-AUG-88
2986	10.2	15-SEP-88
2986	-1	22-OCT-88
2986	-1	15-NOV-88
2986	-1	15-DEC-88
2986	-1	15-JAN-89
2986	-1	24-FEB-89
2986	-1	31-MAR-89
2986	10.2	27-APR-89
2986	10.1	26-MAY-89
2986	10	30-JUN-89
2986	-1	28-JUL-89
2986	-1	30-AUG-89
2986	-1	11-SEP-89
2986	-1	30-OCT-89
2986	-1	17-JAN-90
2986	7.65	24-APR-90
2986	8.82	16-MAY-90
2986	8.82	16-MAY-90
2986	DRY	10-JUL-90
2986	DRY	02-AUG-90
2986	DRY	10-AUG-90
2986	DRY	05-SEP-90
2986	DRY	01-OCT-90
2986	DRY	19-OCT-90
2986	DRY	02-NOV-90
2986	DRY	04-JAN-91
2986	DRY	04-JAN-91
2986	8.96	07-JUN-91
2986	9.05	10-JUN-91
2986	DRY	03-JUL-91
2986	DRY	02-AUG-91
2986	DRY	04-SEP-91
3086	12.33	12-SEP-86
3086	11.94	13-SEP-86
3086	8.67	15-SEP-86
3086	9.67	16-SEP-86
3086	8.87	17-SEP-86
3086	8.66	18-SEP-86
3086	8.14	19-SEP-86
3086	5.07	13-OCT-86
3086	6.21	26-NOV-86
3086	9.33	01-JAN-87
3086	5.9	25-FEB-87
3086	4.58	23-MAR-87
3086	4.79	08-MAY-87
3086	5.62	03-JUN-87
3086	5.7	08-JUL-87
3086	6.5	04-AUG-87

Well No	Depth	Date
3086	6.1	03-SEP-87
3086	6.1	23-SEP-87
3086	6.4	21-OCT-87
3086	6.5	09-NOV-87
3086	6.5	17-NOV-87
3086	6.4	22-DEC-87
3086	5.9	01-FEB-88
3086	5.1	29-FEB-88
3086	5	21-MAR-88
3086	4.9	18-APR-88
3086	5.3	15-JUN-88
3086	5.8	15-JUL-88
3086	5.9	18-AUG-88
3086	5.7	15-SEP-88
3086	5.6	22-OCT-88
3086	5.8	15-NOV-88
3086	5.4	15-DEC-88
3086	6.2	15-JAN-89
3086	5.5	24-FEB-89
3086	4.1	31-MAR-89
3086	4.4	27-APR-89
3086	4.4	26-MAY-89
3086	4.5	30-JUN-89
3086	5.35	28-JUL-89
3086	5.45	30-AUG-89
3086	5.29	12-SEP-89
3086	5.47	08-NOV-89
3086	5.6	17-JAN-90
3086	5.53	07-FEB-90
3086	4.58	25-APR-90
3086	5.01	31-MAY-90
3086	5.01	31-MAY-90
3086	5.65	10-JUL-90
3086	5.42	14-AUG-90
3086	6.17	02-OCT-90
3086	5.61	04-JAN-91
3086	5.35	29-APR-91
3086	3.95	29-MAY-91
3086	4.93	05-JUL-91
3086	5.85	06-AUG-91
3186	-1	12-SEP-86
3186	-1	13-OCT-86
3186	-1	09-NOV-86
3186	-1	26-NOV-86
3186	-1	01-JAN-87
3186	-1	25-FEB-87
3186	-1	23-MAR-87
3186	-1	08-MAY-87
3186	-1	03-JUN-87
3186	-1	08-JUL-87
3186	-1	04-AUG-87
3186	-1	03-SEP-87
3186	-1	24-SEP-87
3186	-1	21-OCT-87
3186	-1	09-NOV-87
3186	-1	22-DEC-87
3186	-1	01-FEB-88
3186	-1	29-FEB-88

Well No	Depth	Date
3186	-1	21-MAR-88
3186	-1	18-APR-88
3186	16.9	15-JUN-88
3186	-1	15-JUL-88
3186	-1	18-AUG-88
3186	-1	15-SEP-88
3186	-1	22-OCT-88
3186	-1	15-NOV-88
3186	-1	15-DEC-88
3186	-1	15-JAN-89
3186	-1	24-FEB-89
3186	-1	31-MAR-89
3186	-1	27-APR-89
3186	19.4	26-MAY-89
3186	-1	30-JUN-89
3186	-1	28-JUL-89
3186	-1	30-AUG-89
3186	-1	12-SEP-89
3186	-1	14-NOV-89
3186	-1	17-JAN-90
3186	DRY	25-APR-90
3186	DRY	07-MAY-90
3186	DRY	07-MAY-90
3186	DRY	10-JUL-90
3186	DRY	25-JUL-90
3186	DRY	02-OCT-90
3186	DRY	25-OCT-90
3186	DRY	04-JAN-91
3186	DRY	04-JAN-91
3186	DRY	11-JUN-91
3186	DRY	03-JUL-91
3386	-1	12-SEP-86
3386	-1	13-OCT-86
3386	-1	26-NOV-86
3386	-1	01-JAN-87
3386	-1	25-FEB-87
3386	-1	24-MAR-87
3386	-1	08-MAY-87
3386	-1	03-JUN-87
3386	-1	08-JUL-87
3386	-1	04-AUG-87
3386	-1	03-SEP-87
3386	-1	24-SEP-87
3386	-1	21-OCT-87
3386	-1	09-NOV-87
3386	-1	01-DEC-87
3386	-1	21-DEC-87
3386	-1	11-JAN-88
3386	-1	29-FEB-88
3386	-1	21-MAR-88
3386	-1	18-APR-88
3386	-1	15-JUN-88
3386	8.5	15-JUL-88
3386	-1	18-AUG-88
3386	-1	15-SEP-88
3386	-1	22-OCT-88
3386	-1	15-NOV-88
3386	-1	15-DEC-88

Well No	Depth	Date
3386	-1	15-JAN-89
3386	-1	24-FEB-89
3386	-1	31-MAR-89
3386	-1	27-APR-89
3386	-1	25-MAY-89
3386	-1	30-JUN-89
3386	-1	28-JUL-89
3386	-1	30-AUG-89
3386	-1	12-SEP-89
3386	-1	16-NOV-89
3386	-1	17-JAN-90
3386	6.64	24-APR-90
3386	7.08	17-MAY-90
3386	7.08	17-MAY-90
3386	8.29	11-JUL-90
3386	DRY	03-AUG-90
3386	DRY	01-OCT-90
3386	DRY	07-NOV-90
3386	DRY	04-JAN-91
3386	DRY	04-JAN-91
3386	6.15	11-JUN-91
3386	8.10	03-JUL-91
3386	DRY	05-AUG-91
3586	9.35	03-SEP-86
3586	9.04	08-SEP-86
3586	9.14	09-SEP-86
3586	9.16	10-SEP-86
3586	9.24	11-SEP-86
3586	9.29	12-SEP-86
3586	9.13	13-OCT-86
3586	9.47	26-NOV-86
3586	9.38	01-JAN-87
3586	8.96	01-FEB-87
3586	6.5	17-MAR-87
3586	6	08-MAY-87
3586	7.9	02-JUN-87
3586	6.7	07-JUL-87
3586	8.1	27-JUL-87
3586	6.4	04-AUG-87
3586	8.6	01-SEP-87
3586	9	29-SEP-87
3586	8.8	03-NOV-87
3586	8.4	01-DEC-87
3586	8.5	21-DEC-87
3586	8.3	11-JAN-88
3586	7.1	29-FEB-88
3586	6.8	21-MAR-88
3586	7	18-APR-88
3586	8.1	16-MAY-88
3586	8.1	15-JUN-88
3586	8.6	15-JUL-88
3586	8.8	18-AUG-88
3586	9.2	15-SEP-88
3586	9.2	22-OCT-88
3586	9.5	15-NOV-88
3586	9.5	15-DEC-88
3586	9.6	15-JAN-89
3586	9.4	24-FEB-89

Well No	Depth	Date
3586	9	31-MAR-89
3586	7.9	27-APR-89
3586	8.2	25-MAY-89
3586	8.1	30-JUN-89
3586	9.03	28-JUL-89
3586	9.03	12-SEP-89
3586	9.59	05-DEC-89
3586	9.45	17-JAN-90
3586	9.35	23-JAN-90
3586	4.65	11-APR-90
3586	8.90	18-JUN-90
3586	8.90	18-JUN-90
3586	8.50	11-JUL-90
3586	9.20	21-AUG-90
3586	9.47	03-OCT-90
3586	9.64	03-DEC-90
3586	9.60	02-JAN-91
3586	8.57	14-MAR-91
3586	8.60	01-APR-91
3586	8.28	29-APR-91
3586	8.23	03-JUL-91
3586	8.48	08-JUL-91
3686	9.28	27-AUG-86
3686	-1	03-SEP-86
3686	-1	13-OCT-86
3686	-1	26-NOV-86
3686	7.02	01-JAN-87
3686	6.17	01-FEB-87
3686	6.08	06-MAY-87
3686	5.83	01-JUN-87
3686	5.65	08-JUL-87
3686	5.8	27-JUL-87
3686	7	04-AUG-87
3686	5.8	01-SEP-87
3686	7.6	28-SEP-87
3686	7.7	03-NOV-87
3686	7.65	01-DEC-87
3686	7.3	08-DEC-87
3686	7.5	07-JAN-88
3686	7.4	24-FEB-88
3686	7.3	14-MAR-88
3686	5.8	11-APR-88
3686	6.1	12-MAY-88
3686	6	15-JUN-88
3686	7.2	15-JUL-88
3686	7.6	18-AUG-88
3686	-1	15-SEP-88
3686	-1	22-OCT-88
3686	-1	15-NOV-88
3686	-1	15-DEC-88
3686	-1	15-JAN-89
3686	-1	27-FEB-89
3686	7.3	10-MAR-89
3686	7.3	26-APR-89
3686	6.6	05-MAY-89
3686	5.7	18-JUN-89
3686	5.93	14-JUL-89
3686	6.11	11-AUG-89

Well No	Depth	Date
3686	6.69	12-SEP-89
3686	6.16	14-DEC-89
3686	5.71	17-JAN-90
3686	5.66	24-JAN-90
3686	5.35	11-APR-90
3686	6.21	17-MAY-90
3686	6.21	17-MAY-90
3686	7.42	11-JUL-90
3686	7.66	22-AUG-90
3686	8.17	03-OCT-90
3686	DRY	15-OCT-90
3686	6.37	02-JAN-91
3686	6.78	18-MAR-91
3686	7.88	01-APR-91
3686	7.64	29-APR-91
3686	6.23	03-JUL-91
3686	6.37	09-JUL-91
3787	6.9	12-NOV-87
3787	6.6	22-DEC-87
3787	6.8	27-JAN-88
3787	6.3	29-FEB-88
3787	7	21-MAR-88
3787	6.6	18-APR-88
3787	7	17-MAY-88
3787	6.7	15-JUN-88
3787	9.3	15-JUN-88
3787	6.5	15-JUL-88
3787	6.7	18-AUG-88
3787	7	15-SEP-88
3787	7.5	22-OCT-88
3787	8.4	15-NOV-88
3787	8.6	15-DEC-88
3787	8.8	15-JAN-89
3787	7.8	24-FEB-89
3787	7.8	31-MAR-89
3787	6.9	27-APR-89
3787	6.2	26-MAY-89
3787	6.5	30-JUN-89
3787	7.09	28-JUL-89
3787	7.1	30-AUG-89
3787	6.33	11-SEP-89
3787	8	20-NOV-89
3787	8.98	17-JAN-90
3787	6.21	05-MAR-90
3787	5.96	24-APR-90
3787	6.08	02-MAY-90
3787	6.08	02-MAY-90
3787	6.87	10-JUL-90
3787	7.40	10-AUG-90
3787	7.42	21-AUG-90
3787	7.72	05-SEP-90
3787	8.13	01-OCT-90
3787	8.50	16-OCT-90
3787	8.67	02-NOV-90
3787	9.30	04-JAN-91
3787	6.53	03-JUN-91
3787	6.53	04-JUN-91
3787	6.92	19-JUN-91

Well No	Depth	Date
3787	7.20	03-JUL-91
3787	7.49	30-JUL-91
3787	8.59	02-AUG-91
3787	7.90	04-SEP-91
3887	8.3	12-NOV-87
3887	8.2	21-DEC-87
3887	-1	27-JAN-88
3887	-1	29-FEB-88
3887	-1	21-MAR-88
3887	-1	18-APR-88
3887	-1	17-MAY-88
3887	9.7	15-JUL-88
3887	9.7	18-AUG-88
3887	9.4	15-SEP-88
3887	9.8	22-OCT-88
3887	10.4	15-NOV-88
3887	10.6	15-DEC-88
3887	10.6	15-JAN-89
3887	10.6	24-FEB-89
3887	10.6	31-MAR-89
3887	10.6	27-APR-89
3887	9.3	26-MAY-89
3887	8.9	30-JUN-89
3887	9.46	28-JUL-89
3887	9.55	30-AUG-89
3887	9.65	11-SEP-89
3887	9.95	16-NOV-89
3887	10.8	17-JAN-90
3887	10.95	23-FEB-90
3887	8.72	24-APR-90
3887	9.22	23-MAY-90
3887	9.22	23-MAY-90
3887	9.67	10-JUL-90
3887	9.93	23-AUG-90
3887	10.34	04-OCT-90
3887	10.55	08-NOV-90
3887	10.80	04-JAN-91
3887	11.02	24-APR-91
3887	9.18	04-JUN-91
3887	9.54	03-JUL-91
3887	10.02	30-JUL-91
5687	6.7	29-FEB-88
5687	7.8	21-MAR-88
5687	6.7	18-APR-88
5687	6.2	17-MAY-88
5687	6.4	15-JUN-88
5687	6.4	15-JUL-88
5687	6.5	18-AUG-88
5687	7.8	15-SEP-88
5687	7.7	22-OCT-88
5687	8.1	15-NOV-88
5687	8.2	15-DEC-88
5687	8.4	15-JAN-89
5687	7.8	24-FEB-89
5687	7.6	31-MAR-89
5687	7	27-APR-89
5687	6.5	26-MAY-89
5687	6.4	30-JUN-89

Well No	Depth	Date
5687	6.88	28-JUL-89
5687	6.41	30-AUG-89
5687	7.53	11-SEP-89
5687	8.2	20-NOV-89
5687	9.21	17-JAN-90
5687	9.1	15-FEB-90
5687	6.82	25-APR-90
5687	6.72	10-MAY-90
5687	6.72	10-MAY-90
5687	7.84	11-JUL-90
5687	7.49	31-JUL-90
5687	9.32	10-AUG-90
5687	8.11	05-SEP-90
5687	7.80	02-OCT-90
5687	8.01	22-OCT-90
5687	9.68	02-NOV-90
5687	8.98	04-JAN-91
5687	9.70	08-JAN-91
5687	7.52	29-MAY-91
5687	9.32	07-JUN-91
5687	7.46	03-JUL-91
5687	7.45	23-JUL-91
5687	9.39	02-AUG-91
5687	7.44	04-SEP-91
B208089	13.71	31-AUG-89
B208089	13.59	12-SEP-89
B208089	13.87	17-JAN-90
B208089	11.98	11-APR-90
B208089	12.50	25-MAY-90
B208089	12.50	25-MAY-90
B208089	12.98	10-JUL-90
B208089	12.96	07-AUG-90
B208089	13.23	11-SEP-90
B208089	13.33	25-SEP-90
B208089	13.90	02-OCT-90
B208089	13.51	07-NOV-90
B208089	13.53	12-NOV-90
B208089	13.58	06-DEC-90
B208089	13.67	02-JAN-91
B208089	13.88	14-MAR-91
B208089	14.35	01-APR-91
B208089	13.94	22-APR-91
B208089	14.37	06-MAY-91
B208089	12.95	07-JUN-91
B208089	13.03	02-JUL-91
B208089	13.15	09-JUL-91
B208089	13.17	07-AUG-91
B208089	13.18	04-SEP-91
B208189	23.69	31-AUG-89
B208189	28.46	12-SEP-89
B208189	21.62	17-JAN-90
B208189	20.18	21-FEB-90
B208189	20.25	11-APR-90
B208189	17.77	25-MAY-90
B208189	17.77	25-MAY-90
B208189	25.01	10-JUL-90
B208189	23.38	03-AUG-90
B208189	24.16	02-OCT-90

Well No	Depth	Date
B208189	21.65	12-NOV-90
B208189	25.07	02-JAN-91
B208189	23.79	21-JAN-91
B208189	23.76	01-APR-91
B208189	22.78	18-APR-91
B208189	21.15	02-JUL-91
B208189	20.80	09-JUL-91
B208289	17.25	28-AUG-89
B208289	17.65	12-SEP-89
B208289	17.08	17-JAN-90
B208289	17.02	28-FEB-90
B208289	17.61	11-APR-90
B208289	17.35	10-MAY-90
B208289	17.35	10-MAY-90
B208289	17.11	11-JUL-90
B208289	16.97	24-JUL-90
B208289	17.06	02-OCT-90
B208289	17.06	08-OCT-90
B208289	17.20	02-JAN-91
B208289	17.11	21-JAN-91
B208289	17.21	01-APR-91
B208289	17.12	18-APR-91
B208289	17.02	02-JUL-91
B208289	16.88	15-JUL-91
B208389	-1	28-AUG-89
B208389	-1	12-SEP-89
B208389	-1	17-JAN-90
B208389	DRY	11-APR-90
B208389	DRY	09-MAY-90
B208389	DRY	09-MAY-90
B208389	DRY	11-JUL-90
B208389	DRY	24-AUG-90
B208389	DRY	02-OCT-90
B208389	DRY	25-OCT-90
B208389	DRY	02-JAN-91
B208389	DRY	02-JAN-91
B208389	DRY	01-APR-91
B208389	DRY	02-JUL-91
B208489	-1	28-AUG-89
B208489	-1	12-SEP-89
B208489	-1	17-JAN-90
B208489	DRY	11-APR-90
B208489	DRY	09-MAY-90
B208489	DRY	09-MAY-90
B208489	DRY	11-JUL-90
B208489	DRY	02-OCT-90
B208489	DRY	25-OCT-90
B208489	DRY	02-JAN-91
B208489	DRY	02-JAN-91
B208489	DRY	01-APR-91
B208489	DRY	02-JUL-91
B208589	-1	28-AUG-89
B208589	-1	13-SEP-89
B208589	4.9	17-JAN-90
B208589	3.83	15-MAR-90
B208589	3.62	11-APR-90
B208589	4.69	11-MAY-90
B208589	4.69	11-MAY-90

Well No	Depth	Date
B208589	5.83	10-JUL-90
B208589	5.83	24-JUL-90
B208589	DRY	02-OCT-90
B208589	DRY	23-OCT-90
B208589	4.76	02-JAN-91
B208589	4.73	21-JAN-91
B208589	4.78	01-APR-91
B208589	4.40	18-APR-91
B208589	5.51	02-JUL-91
B208589	5.66	15-JUL-91
B208689	14.71	29-AUG-89
B208689	22.48	13-SEP-89
B208689	10	17-JAN-90
B208689	9.37	15-MAR-90
B208689	20.97	11-APR-90
B208689	17.62	08-MAY-90
B208689	17.62	08-MAY-90
B208689	16.25	10-JUL-90
B208689	15.08	24-JUL-90
B208689	14.73	02-OCT-90
B208689	12.50	23-OCT-90
B208689	16.66	02-JAN-91
B208689	14.48	21-JAN-91
B208689	16.93	05-APR-91
B208689	16.71	08-APR-91
B208689	15.59	02-JUL-91
B208689	15.02	09-JUL-91
B208789	12.37	28-AUG-89
B208789	5.93	12-SEP-89
B208789	11.45	17-JAN-90
B208789	11.62	27-FEB-90
B208789	5.27	11-APR-90
B208789	6.83	24-MAY-90
B208789	6.83	24-MAY-90
B208789	13.72	10-JUL-90
B208789	6.60	01-AUG-90
B208789	13.96	07-AUG-90
B208789	13.68	11-SEP-90
B208789	6.55	03-OCT-90
B208789	7.31	22-OCT-90
B208789	DRY	07-NOV-90
B208789	13.82	06-DEC-90
B208789	13.82	02-JAN-91
B208789	13.80	12-MAR-91
B208789	DRY	01-APR-91
B208789	DRY	06-MAY-91
B208789	DRY	07-JUN-91
B208789	DRY	02-JUL-91
B208789	13.92	09-JUL-91
B208789	13.85	07-AUG-91
B208789	13.33	05-SEP-91
B210389	22.93	30-AUG-89
B210389	-1	13-SEP-89
B210389	23.51	17-JAN-90
B210389	22.91	13-FEB-90
B210389	24.52	11-APR-90
B210389	23.50	12-JUN-90
B210389	23.50	12-JUN-90

Well No	Depth	Date
B210389	25.10	10-JUL-90
B210389	23.12	25-SEP-90
B210389	25.77	02-OCT-90
B210389	24.90	23-OCT-90
B210389	23.74	02-JAN-91
B210389	23.30	21-JAN-91
B210389	24.29	01-APR-91
B210389	23.22	28-MAY-91
B210389	25.11	02-JUL-91
B210389	24.74	15-JUL-91
B210489	6.53	29-AUG-89
B210489	5.83	13-SEP-89
B210489	5	17-JAN-90
B210489	4.93	28-FEB-90
B210489	3.65	11-APR-90
B210489	4.81	10-MAY-90
B210489	4.81	10-MAY-90
B210489	5.90	10-JUL-90
B210489	5.80	27-JUL-90
B210489	6.15	07-AUG-90
B210489	6.32	11-SEP-90
B210489	5.97	02-OCT-90
B210489	5.51	01-NOV-90
B210489	5.12	07-NOV-90
B210489	5.15	06-DEC-90
B210489	4.90	02-JAN-91
B210489	5.0	15-JAN-91
B210489	4.95	01-APR-91
B210489	5.02	09-APR-91
B210489	4.09	06-MAY-91
B210489	4.16	06-JUN-91
B210489	5.62	02-JUL-91
B210489	5.73	15-JUL-91
B210489	5.19	07-AUG-91
B210489	6.14	05-SEP-91
P207389	6.66	11-SEP-89
P207389	7.14	21-SEP-89
P207389	7.83	17-JAN-90
P207389	5.94	14-MAR-90
P207389	6.65	26-APR-90
P207389	6.83	05-JUN-90
P207389	6.83	05-JUN-90
P207389	6.97	11-JUL-90
P207389	7.54	21-AUG-90
P207389	8.49	17-DEC-90
P207389	8.85	04-JAN-91
P207389	8.15	25-MAR-91
P207389	6.65	30-MAY-91
P207389	7.36	03-JUL-91
P207389	7.16	06-AUG-91
P207489	7.28	11-SEP-89
P207489	7.13	20-SEP-89
P207489	7.63	17-JAN-90
P207489	6	14-MAR-90
P207489	6.66	26-APR-90
P207489	6.94	01-JUN-90
P207489	6.94	01-JUN-90
P207489	7.29	11-JUL-90

Well No	Depth	Date
P207489	7.60	10-AUG-90
P207489	7.63	14-AUG-90
P207489	7.99	05-SEP-90
P207489	7.85	02-NOV-90
P207489	8.28	17-DEC-90
P207489	8.86	04-JAN-91
P207489	8.07	30-APR-91
P207489	6.68	30-MAY-91
P207489	6.68	30-MAY-91
P207489	7.58	03-JUL-91
P207489	7.56	06-AUG-91
P207489	7.15	04-SEP-91
P207589	24.67	11-SEP-89
P207589	24.87	21-SEP-89
P207589	25.74	17-JAN-90
P207589	23.42	05-MAR-90
P207589	25.96	24-APR-90
P207589	25.83	03-MAY-90
P207589	25.83	03-MAY-90
P207589	25.76	10-JUL-90
P207589	25.66	19-JUL-90
P207589	25.49	01-OCT-90
P207589	26.77	17-DEC-90
P207589	26.50	04-JAN-91
P207589	25.57	25-MAR-91
P207589	25.85	10-JUN-91
P207589	26.59	03-JUL-91
P207589	26.23	24-JUL-91
P207689	7.71	17-JUL-89
P207689	7.57	11-SEP-89
P207689	7.11	14-SEP-89
P207689	8.49	17-JAN-90
P207689	8.35	31-JAN-90
P207689	6.82	24-APR-90
P207689	6.94	30-APR-90
P207689	6.94	30-APR-90
P207689	7.68	10-JUL-90
P207689	8.18	01-OCT-90
P207689	8.42	15-OCT-90
P207689	8.74	04-JAN-91
P207689	8.69	25-MAR-91
P207689	7.52	31-MAY-91
P207689	7.82	03-JUL-91
P207689	8.06	02-AUG-91
P207789	29.45	11-SEP-89
P207789	29.41	14-SEP-89
P207789	28.64	17-JAN-90
P207789	28.53	01-FEB-90
P207789	29.34	24-APR-90
P207789	29.20	08-MAY-90
P207789	29.20	08-MAY-90
P207789	29.53	10-JUL-90
P207789	29.04	21-AUG-90
P207789	29.47	01-OCT-90
P207789	28.58	11-DEC-90
P207789	29.94	04-JAN-91
P207789	29.14	24-APR-91
P207789	29.91	05-JUN-91

Well No	Depth	Date
P207789	30.17	03-JUL-91
P207789	29.63	05-AUG-91
P207889	5.12	11-SEP-89
P207889	4.95	15-SEP-89
P207889	7.17	17-JAN-90
P207889	7.22	01-FEB-90
P207889	4.75	01-MAY-90
P207889	4.75	02-MAY-90
P207889	4.75	02-MAY-90
P207889	5.74	10-JUL-90
P207889	5.94	19-JUL-90
P207889	6.79	01-OCT-90
P207889	6.88	10-OCT-90
P207889	7.32	04-JAN-91
P207889	8.66	25-MAR-91
P207889	5.32	10-JUN-91
P207889	6.87	03-JUL-91
P207889	6.09	24-JUL-91
P207989	17.12	11-SEP-89
P207989	16.94	14-SEP-89
P207989	17.08	17-JAN-90
P207989	16.46	01-FEB-90
P207989	18.45	01-MAY-90
P207989	18.45	02-MAY-90
P207989	18.45	02-MAY-90
P207989	18.19	10-JUL-90
P207989	15.59	28-AUG-90
P207989	20.49	01-OCT-90
P207989	16.35	12-DEC-90
P207989	21.78	04-JAN-91
P207989	17.65	25-MAR-91
P207989	18.88	05-JUN-91
P207989	21.35	03-JUL-91
P207989	19.86	24-JUL-91
P208989	14.91	12-SEP-89
P208989	14.64	28-SEP-89
P208989	16.61	17-JAN-90
P208989	16.45	09-MAR-90
P208989	14.34	25-APR-90
P208989	15.01	08-MAY-90
P208989	15.01	08-MAY-90
P208989	16.34	10-JUL-90
P208989	16.10	31-JUL-90
P208989	16.63	02-OCT-90
P208989	16.75	16-OCT-90
P208989	17.05	04-JAN-91
P208989	17.37	25-MAR-91
P208989	14.74	30-MAY-91
P208989	15.54	03-JUL-91
P208989	16.27	08-AUG-91
P209089	25.03	12-SEP-89
P209089	24.79	26-SEP-89
P209089	24.95	17-JAN-90
P209089	27.04	24-APR-90
P209089	26.62	08-MAY-90
P209089	26.62	08-MAY-90
P209089	26.35	10-JUL-90
P209089	25.57	31-JUL-90

Well No	Depth	Date
P209089	25.83	01-OCT-90
P209089	25.25	15-OCT-90
P209089	25.02	04-JAN-91
P209089	22.55	25-MAR-91
P209089	25.63	12-JUN-91
P209089	27.76	03-JUL-91
P209089	26.54	01-AUG-91
P209189	7.71	12-SEP-89
P209189	10.5	27-SEP-89
P209189	14.18	17-JAN-90
P209189	10.16	25-APR-90
P209189	10.32	01-JUN-90
P209189	10.32	01-JUN-90
P209189	10.90	10-JUL-90
P209189	10.74	31-AUG-90
P209189	10.81	02-OCT-90
P209189	10.70	08-NOV-90
P209189	14.35	04-JAN-91
P209189	14.33	22-MAR-91
P209189	10.26	05-JUN-91
P209189	11.38	03-JUL-91
P209189	11.10	24-JUL-91
P209289	14.67	12-SEP-89
P209289	-1	25-SEP-89
P209289	-1	17-JAN-90
P209289	14.66	25-APR-90
P209289	14.68	30-MAY-90
P209289	14.68	30-MAY-90
P209289	DRY	11-JUL-90
P209289	14.65	13-AUG-90
P209289	14.65	15-AUG-90
P209289	14.38	05-SEP-90
P209289	14.24	02-OCT-90
P209289	DRY	24-OCT-90
P209289	14.66	02-NOV-90
P209289	14.69	04-JAN-91
P209289	14.71	25-MAR-91
P209289	14.10	29-MAY-91
P209289	15.43	29-MAY-91
P209289	14.68	03-JUL-91
P209289	14.69	23-JUL-91
P209289	DRY	02-AUG-91
P209289	14.67	04-SEP-91
P209389	17.62	12-SEP-89
P209389	17.16	18-SEP-89
P209389	19.56	17-JAN-90
P209389	16.25	16-MAR-90
P209389	17.98	25-APR-90
P209389	20.88	31-MAY-90
P209389	20.88	31-MAY-90
P209389	18.50	11-JUL-90
P209389	17.54	23-AUG-90
P209389	17.31	02-OCT-90
P209389	18.64	25-OCT-90
P209389	19.90	04-JAN-91
P209389	19.55	25-MAR-91
P209389	17.56	30-MAY-91
P209389	19.23	03-JUL-91

Well No	Depth	Date
P209389	19.65	23-JUL-91
P209489	28.53	12-SEP-89
P209489	28.55	20-SEP-89
P209489	-1	17-JAN-90
P209489	27.87	25-APR-90
P209489	28.52	31-MAY-90
P209489	28.52	31-MAY-90
P209489	28.68	10-JUL-90
P209489	28.58	15-AUG-90
P209489	28.65	02-OCT-90
P209489	28.88	25-OCT-90
P209489	29.35	04-JAN-91
P209489	29.95	25-MAR-91
P209489	28.58	03-JUL-91
P209489	29.58	01-AUG-91
P209589	16.68	12-SEP-89
P209589	16.59	19-SEP-89
P209589	17.99	17-JAN-90
P209589	17.62	30-JAN-90
P209589	17.90	25-APR-90
P209589	16.55	24-MAY-90
P209589	16.55	24-MAY-90
P209589	19.02	10-JUL-90
P209589	20.78	28-AUG-90
P209589	19.79	02-OCT-90
P209589	18.49	06-NOV-90
P209589	19.27	04-JAN-91
P209589	17.58	25-MAR-91
P209589	18.74	05-JUN-91
P209589	19.99	03-JUL-91
P209589	18.70	31-JUL-91
P209689	26.47	13-SEP-89
P209689	28.19	17-JAN-90
P209689	27.6	15-MAR-90
P209689	29.11	25-APR-90
P209689	28.99	30-APR-90
P209689	28.99	30-APR-90
P209689	28.63	10-JUL-90
P209689	28.49	19-JUL-90
P209689	28.41	01-OCT-90
P209689	28.40	02-OCT-90
P209689	28.30	10-OCT-90
P209689	28.02	04-JAN-91
P209689	28.00	07-JAN-91
P209689	28.44	25-MAR-91
P209689	28.98	04-JUN-91
P209689	27.15	12-JUN-91
P209689	29.28	03-JUL-91
P209689	28.81	31-JUL-91
P209789	5.18	13-SEP-89
P209789	8.82	17-JAN-90
P209789	3.34	15-MAR-90
P209789	5.07	25-APR-90
P209789	5.53	04-MAY-90
P209789	5.53	04-MAY-90
P209789	7.11	10-JUL-90
P209789	6.65	24-JUL-90
P209789	8.42	01-OCT-90

Well No	Depth	Date
P209789	8.85	19-OCT-90
P209789	9.92	04-JAN-91
P209789	10.36	22-MAR-91
P209789	6.59	07-JUN-91
P209789	7.42	03-JUL-91
P209789	7.59	01-AUG-91
P209889	4.68	12-SEP-89
P209889	5.22	26-SEP-89
P209889	5.15	17-JAN-90
P209889	4.52	09-MAR-90
P209889	4.43	25-APR-90
P209889	4.50	23-MAY-90
P209889	4.50	23-MAY-90
P209889	5.06	10-JUL-90
P209889	5.0	22-AUG-90
P209889	4.98	02-OCT-90
P209889	5.15	29-OCT-90
P209889	5.46	04-JAN-91
P209889	5.02	25-MAR-91
P209889	4.0	04-JUN-91
P209889	4.51	03-JUL-91
P209889	4.47	06-AUG-91
P209989	-1	31-AUG-89
P209989	-1	11-SEP-89
P209989	-1	17-JAN-90
P209989	DRY	11-APR-90
P209989	DRY	11-MAY-90
P209989	DRY	11-MAY-90
P209989	DRY	10-JUL-90
P209989	DRY	24-JUL-90
P209989	DRY	07-AUG-90
P209989	DRY	11-SEP-90
P209989	DRY	03-OCT-90
P209989	DRY	10-OCT-90
P209989	DRY	07-NOV-90
P209989	DRY	06-DEC-90
P209989	DRY	01-APR-91
P209989	DRY	06-MAY-91
P209989	10.32	07-JUN-91
P209989	10.69	02-JUL-91
P209989	10.72	08-JUL-91
P209989	DRY	07-AUG-91
P209989	DRY	05-SEP-91
P210089	18.38	05-SEP-89
P210089	23.79	12-SEP-89
P210089	18.69	17-JAN-90
P210089	18.83	27-FEB-90
P210089	18.83	27-FEB-90
P210089	20.80	11-APR-90
P210089	18.72	05-JUN-90
P210089	18.72	05-JUN-90
P210089	20.71	10-JUL-90
P210089	18.74	15-AUG-90
P210089	19.54	03-OCT-90
P210089	18.60	25-OCT-90
P210089	19.42	02-JAN-91
P210089	19.06	21-JAN-91
P210089	19.89	01-APR-91

Well No	Depth	Date
P210089	19.39	18-APR-91
P210089	19.10	02-JUL-91
P210089	18.80	08-JUL-91
P210189	11.76	11-SEP-89
P210189	11.57	28-SEP-89
P210189	14.83	17-JAN-90
P210189	12.06	25-APR-90
P210189	12.73	08-JUN-90
P210189	12.73	08-JUN-90
P210189	13.36	10-JUL-90
P210189	12.43	17-AUG-90
P210189	12.63	02-OCT-90
P210189	13.35	09-NOV-90
P210189	15.05	04-JAN-91
P210189	15.08	04-JAN-91
P210189	15.39	25-MAR-91
P210189	12.38	29-MAY-91
P210189	12.85	03-JUL-91
P210189	12.81	05-AUG-91
P210289	17.13	11-SEP-89
P210289	16.77	15-SEP-89
P210289	18.27	17-JAN-90
P210289	15.75	05-MAR-90
P210289	19.68	24-APR-90
P210289	19.05	02-MAY-90
P210289	19.05	02-MAY-90
P210289	17.68	10-JUL-90
P210289	16.17	26-JUL-90
P210289	17.66	01-OCT-90
P210289	13.35	11-DEC-90
P210289	22.36	04-JAN-91
P210289	17.51	25-MAR-91
P210289	18.32	04-JUN-91
P210289	21.27	03-JUL-91
P210289	19.48	23-JUL-91

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APPENDIX D

SOLAR EVAPORATION POND LIQUID AND SLUDGE ANALYTICAL RESULTS

- Summary of analytical results compiled for SEP Closure Plan, July 1988
- Analytical results obtained by Weston, July 1991
- Summary of analytical data compiled by Dames & Moore, September 1991

SOLAR EVAPORATION PONDS

CLOSURE PLAN

U.S. DEPARTMENT OF ENERGY
ROCKY FLATS PLANT
GOLDEN, COLORADO

JULY 1, 1988

ROCKWELL INTERNATIONAL
NORTH AMERICAN SPACE OPERATIONS
ROCKY FLATS PLANT

1.3.2 Waste Inventory Composition

Since 1984, several indicator parameters were monitored on weekly or quarterly bases in the solar ponds. Summaries of the laboratory results are discussed below and presented on Tables II and III at the end of this section. Detailed laboratory results are presented in Appendices 3 and 4.

1.3.2.1 Analyses in 1984 and 1985

Quarterly analyses of Ponds 207-A and 207-C liquid included pH, nitrates, cyanide, beryllium and radiochemical parameters. Chemical and radiochemical analyses were conducted on a sample of Pond 207-A sludge taken in May 1985.

Weekly analyses of Ponds 207-B North and Center liquids included pH, nitrates, gross alpha and gross beta. During the period of weekly monitoring, samples for metals analyses were collected twice from Ponds 207-B North and Center. Separate summaries of each set of analyses are presented in Appendix 3, Tables 3-I, 3-II, 3-III, and 3-IV.

1.3.2.2 Analyses in 1986, 1987 and 1988

During April and May 1986, liquid and sludge in Pond 207-A and liquid in Pond 207-B North were sampled and analyzed for volatile organics, radionuclides, metals, phenols, RCRA hazardous characteristics, hexavalent chromium and total cyanide. A description of the sample codes and copies of the laboratory data sheets are presented in Appendix 4 and summarized in Tables 4-I and 4-II.

Acetone was found in three samples of Pond 207-A sludge, ranging in concentration from 5 to 4,680 ug/kg. Acetone was found in two of three laboratory blanks as well as the samples. Tetrachloroethene (PCE) was found in two of three samples of Pond 207-A sludge at 200 and 1,200 ug/kg; PCE in the third sample was undetected. PCE was at 1,800 ug/kg found in both laboratory blanks for the samples with detectable concentrations. The levels of acetone and PCE in the blanks cannot be determined from the available data.

Methylene chloride was found in a field blank at 71 ug/l and was found in three samples from Pond 207-B North liquid at values ranging from 19 to 35 ug/l. Methylene chloride was detected in all four laboratory blanks at unknown

concentrations; however, the methylene chloride concentration in the field blank indicates possible laboratory contamination on the order of the sample concentration levels.

Radiochemical analyses were conducted on samples of Pond 207-A liquid and sludge, and Pond 207-B North liquid in April and May, 1986. Plutonium-239 and Americium-241 were not identified in the Pond 207-B North liquid. Storage in Pond 207-B North consists of water returned from the french drain system north of the solar ponds.

Metals and phenols analyses were conducted on samples of Pond 207-A liquid and sludge, and Pond 207-B North liquid in April and May, 1986. The samples tested did not exhibit the RCRA characteristics of ignitability, corrosivity or reactivity. One sludge sample from Pond 207-A was EP toxic for cadmium.

Hexavalent chromium and total cyanide were found in Pond 207-A and Pond 207-B North liquids at values ranging from below the detection limit to 0.02 mg/l and from 9.4 to 17 mg/l, respectively. Hexavalent chromium and total

cyanide were found in a sample of Pond 207-A sludge at 0.01 mg/l and 6.5 ug/g, respectively.

Separate summaries of each set of analyses are presented in Appendix 4, Tables 4-I and 4-II. The cumulative data from the Appendix 4 tables was used in Tables II and III at the end of this section.

Sporadic quarterly and weekly analyses of liquids in Solar Ponds 207-A, 207-B North and Center, and 207-C were taken between August 1987 and June 1988. These results are included in the summary of Table II. The data is presented in Appendix 4.

Summary: Data from the solar pond liquid and sludge analyses can be summarized as follows:

Pond 207-A: Although it is presently nearly empty and cleaned of sludge, it used to contain high concentrations of nitrate, metals, and radionuclides in the liquid which were approximately two orders of magnitude higher than those in Ponds 207-B North and Center. Specifically, Pond 207-A liquid was characterized by high levels of:

Nitrates	Metals	Radionuclides
as Nitrogen	Al, Aluminum	Plutonium
	Cr, Chromium	Americium
	Cu, Copper	Uranium
	Fe, Iron	Tritium
	K, Potassium	
	Na, Sodium	
	Ni, Nickel	
	Sn, Tin	

Pond 207-A liquid was generally more contaminated than Pond 207-C except for plutonium and americium. The liquid had particularly high levels of chromium and nickel and a slightly to very alkaline pH ranging from 8.3 to 11.0.

Pond 207-A sludge analyses showed high levels of nitrates, metals and radionuclides similar to the pond liquids. In addition to the high analyte concentrations found in the liquid, calcium and magnesium were also found in high concentrations in the sludge. Radionuclides up to 14,000 pCi/g of gross alpha and 4,400 pCi/g of americium were found.

Samples of the pond-crete, which are comprised of solidified sludge from Pond 207-A, and the sludge from Pond 207-A, were tested for organics February 1988. The test results,

presented in Appendix 4, indicate scattered trace organics, including:

Sample: Pond-crete

Acetone 10U-37 ug/kg
2-Butanone 10U-23 ug/kg
Tetrachloroethene 5U-26 ug/kg

Sample: Soil Matrix (sludge)

Fluoroanthene 161-1,683 ug/kg
di-n-Butyl Phthalate 330U-590 ug/kg
bis(2-ethylhexyl)Phthalate 330U-14,949 ug/kg

Organics are not a component of the process wastes and are not considered a characteristic constituent of the sludge. It is difficult to draw any conclusions concerning organic levels in the pond liquids due to limited data and high detection limits, but the occasional identification of organic compounds in the sludge indicates that organics may be present at very low levels in the liquid.

Pond 207-B North and Center have generally low concentrations of nitrates, metals and radionuclides. Nitrate concentration in the pond liquids averaged 380 mg/l. Metal concentrations in the pond liquids are at or below drinking water standards.

Gross alpha in the pond liquids averaged 104 pCi/l; however, plutonium and americium were not detected in these two ponds. Tritium was found in Pond 207-B North ranging from 1,200 (300) to 1,300 (300) pCi/l. Ponds 207-B North and Center have a slightly to very alkaline pH ranging from 7.3 to 11.3.

Pond 207-C liquid contaminants are approximately two orders of magnitude higher than those in Pond 207-B North and Center for nitrate, metals and radionuclides. However, Pond 207-C liquid is generally less contaminated than the analyzed liquid in Pond 207-A, except for plutonium and americium which are approximately ten times higher in Pond 207-C. The pond liquid has a slight to alkaline pH ranging from 7.7 to 12.5.

TABLE II
LIQUID CHARACTERIZATION SUMMARY 1984 - 1988

"( )" - Test Result Reference Number

ANALYTE	UNITS	POND 207-A	POND 207-B NORTH	POND 207-B CENTER	POND 207-B SOUTH	POND 207-C
pH		(1) 8.3 - 11.8 (9) 10.1	(2) 7.5 - 9.6 (10)8.0 - 8.5	(2) 7.3 - 11.3 (10)9.6 - 10.5	-----	(1) 7.7 - 12.5 (9) 10.5 - 11.3
Nitrate as Nitrogen	(mg/l)	(1) ND - 21,739 (9) 19,200	(2) 335 - 1,367 (10)212 - 507	(2) ND - 15.6 (10)346.4 - 1221	-----	(1) 0.4 - 10,841 (9) 9650 - 21,400
Total Dissolved Solids	(mg/l)	(9) 127,000	-----	-----	-----	(9) 93,059 - 175,800
Cyanide	(mg/l)	(1) ND - 1.7 (9) 0.1	-----	-----	-----	(1) ND - 1.9 (9) 0.48 - 0.5
Gross Alpha	(pCi/l)	(1) 32(16) - 56,000(0.0) (4) 46,000(4,000) - 80,000(6,000) (9) 80,000(1,000)	(2) 13(50) - 323(33) (4) 74(50) - 120(50) (10)52(20) - 200(80)	(2) 4(0) - 59(23) (10)57(21) - 2,500(400)	-----	(1) 10,000(17,000) - 15,000(3,000) (9) 13,000(1,000) - 46,000(0,000)
Gross Beta	(pCi/l)	(1) 2(27) - 27,000(600) (4) 35,000(2,000) - 40,000(2,000) (9) 2,100(200)	(2) 5(25) - 163(25) (4) 56(32) - 100(92) (10)67(3) - 200(80)	(2) 8(11) - 73(0) (10)72(16) - 1,500(200)	-----	(1) 405(79) - 11,000(2,000) (9) 3,400(100) - 44,000(4,000)
Pu, Plutonium 239	(pCi/l)	(1) 0.0(420) -240(100) (4) 56(16) - 660(50)	(4) ND	-----	-----	(1) 210(320) - 1,400(300) (9) 300(130) - 2,100(300)
Am, Americum 241	(pCi/l)	(1) 0.0(1,000) - 200(120) (4) ND - 45(14)	(4) ND	-----	-----	(1) 12 - 13,000(1,000) (9) 0.0(27) - 2,900(300)
U, Uranium	(pCi/l)	(1) 0.69(0.79) - 26,000(2,000)	-----	-----	-----	(1) 1,000(300) - 15,000(1,000) (9) 1,400(900) - 40,000(2,000)
U, Uranium 233 + 234	(pCi/l)	(4) 14,000(1,000) - 20,000(1,000)	(4) 50(2) - 53(2)	-----	-----	-----
U, Uranium 238	(pCi/l)	(4) 21,000(1,000) - 28,000(1,000)	(4) 31(1) - 33(1)	-----	-----	-----
Tritium	(pCi/l)	(1) 620(230) - 3,000(800) (4) 240(180) - 930(260)	(4) 1,200(300) - 1,300(300)	-----	-----	(1) 0.0(0.0) - 6,400(600)
Al, Aluminum	(mg/l)	(5) 2.31 - 2.64	(3) 0.16 (3) 1 (5) ND (7) <.0028 (8) <.003	(3) 0.15 (3) 2. (7) <.0032 (8) <.0035	-----	-----
Sb, Antimony	(mg/l)	-----	(7) <.028 (8) <.03	(7) <.032 (8) <.035	-----	-----
As, Arsenic	(mg/l)	(5) 0.150	(5) ND (7) <.01 (8) <.01	(7) <.01 (8) <.01	-----	-----

TABLE II
LIQUID CHARACTERIZATION SUMMARY 1984 - 1988

"( )" - Test Result Reference Number

ANALYTE	UNITS	POND 207-A	POND 207-B NORTH	POND 207-B CENTER	POND 207-B SOUTH	POND 207-C
Ba, Barium	(mg/l)	(5) ND	(5) ND - 0.220 (7) <1.0 (8) <1.0	(7) <1.0 (8) <1.0	-----	-----
Be, Beryllium	(mg/l)	(1) ND - 0.1 (5) 0.027 - 0.043 (9) .002	(5) ND (7) <.05 (8) .06	(7) <.05 (8) <.05	-----	(1) ND - 0.6 (9) 0.1
Bi, Bismuth	(mg/l)	-----	(7) <.014 (8) <.015	(7) <.016 (8) <.018	-----	-----
B, Boron	(mg/l)	-----	(3) 0.29 (3) 0.31 (7) .14 (8) .09	(3) 0.24 (3) 0.67 (7) 0.13 (8) .071	-----	-----
Cd, Cadmium	(mg/l)	(5) 0.070 - 0.150	(5) ND (7) <.01 (8) .01	(7) <.01 (8) .01	-----	-----
Ca, Calicum	(mg/l)	(5) ND	(3) 20.0 (3) 290 (5) 176 - 198 (7) 96.0 (8) 180.0	(3) 2.9 (3) 45.0 (7) 95.0 (8) 66.0	-----	-----
Ce, Cerium	(mg/l)	-----	(7) <2.0 (8) <3.	(7) <3.2 (8) <3.5	-----	-----
Cs, Cesium	(mg/l)	-----	(3) ND (3) ND (7) <.28 (8) <.3	(3) ND (3) 0.041 (7) <.32 (8) .35	-----	-----
Co, Cobalt	(mg/l)	(5) 0.200 - 0.500	(5) ND (7) <.014 (8) <.015	(7) <.016 (8) <.018	-----	-----
Cr, Chromium	(mg/l)	(5) 13.7 - 16.7	(5) ND (7) <.05 (8) <.05	(7) <.05 (8) <.05	-----	-----
Cu, Copper	(mg/l)	(5) 1.61 - 1.80	(3) ND (3) ND (5) ND (7) <.014 (8) <.015	(3) 0.016 (3) 0.037 (7) <.016 (8) <.018	-----	-----

TABLE II
LIQUID CHARACTERIZATION SUMMARY 1984 - 1988

"( )" - Test Result Reference Number

ANALYTE	UNITS	POND 207 A	POND 207-B NORTH	POND 207-B CENTER	POND 207-B SOUTH	POND 207-C
Ge, Germanium	(mg/l)	-----	(7) <.014 (8) <.015	(7) <.016 (8) <.018	-----	-----
Fe, Iron	(mg/l)	(5) 1.50 - 8.00	(3) 0.28 (3) 0.29 (5) ND (7) .057 (8) <.03	(3) 0.074 (3) 0.2 (7) 0.13 (8) <.035	-----	-----
Pb, Lead	(mg/l)	(5) ND	(3) ND (3) 0.0035 (5) ND (7) <.0028 (8) <.003	(3) ND (3) 0.002 (7) <.0032 (8) <.0035	-----	-----
Li, Lithium	(mg/l)	-----	(3) 0.37 (3) 3.5 (7) 1.7 (8) 6.	(3) 0.052 (3) 0.41 (7) 2.9 (8) 3.5	-----	-----
Mn, Manganese	(mg/l)	(5) 0.095 - 0.115	(3) ND (3) ND (5) ND - 0.015 (7) <.0028 (8) <.003	(3) 0.022 (3) 0.081 (7) <.0032 (8) <.0035	-----	-----
Mg, Magnesium	(mg/l)	(5) ND	(3) 87.0 (3) 120.0 (5) 66.4 - 72.6 (7) 88 (8) 88.0	(3) 3.9 (3) 13.0 (7) 86.0 (8) 91.0	-----	-----
Hg, Mercury	(mg/l)	(5) ND - 0.0002	(5) ND (7) <.002 (8) <.002	(7) <.002 (8) <.002	-----	-----
Mo, Molybdenum	(mg/l)	-----	(3) ND (3) 0.0069 (7) <.0028 (8) .003	(3) 0.016 (3) 0.037 (7) .019 (8) .0035	-----	-----
Ni, Nickel	(mg/l)	(5) 1.90 - 2.00	(3) ND (3) ND (5) ND - 0.050 (7) <.028 (8) <.03	(3) 0.015 (3) 0.016 (7) <.032 (8) <.035	-----	-----
Nb, Niobium	(mg/l)	-----	(7) <.14 (8) <.15	(7) <.16 (8) <.18	-----	-----

TABLE II
LIQUID CHARACTERIZATION SUMMARY 1984 - 1988

"( )" - Test Result Reference Number

ANALYTE	UNITS	POND 207-A	POND 207-B NORTH	POND 207-B CENTER	POND 207-B SOUTH	POND 207-C
P, Phosphorous	(mg/l)	-----	(3) ND (3) ND (7) <.14 (8) <.15	(3) 0.074 (3) 0.2 (7) <.16 (8) 0.18	-----	-----
K, Potassium	(mg/l)	(5) 13,200 - 14,300	(3) 82.0 (3) 120 (5) 56.1 - 62.7 (7) 89.0 (8) 64.0	(3) 30.0 (3) 36.0 (7) 98.0 (8) 110.0	-----	-----
Rb, Rubidium	(mg/l)	-----	(7) <.28 (8) <.3	(7) <.32 (8) <.35	-----	-----
Se, Selinium	(mg/l)	(5) ND	(3) 0.01 (3) 0.02 (5) 0.009 (7) <.01 (8) .024	(3) ND (3) ND (7) <.01 (8) .019	-----	-----
Si, Silicon	(mg/l)	-----	(3) 2.1 (3) 5.6 (7) 2.1 (8) <.5	(3) 2.4 (3) 5.5 (7) 1.4 (8) 1.6	-----	-----
Ag, Silver	(mg/l)	-----	(3) ND (3) 0.002 (5) ND (7) <.0028 (8) <.003	(3) 0.0016 (3) 0.015 (7) <.0032 (8) <.0035	-----	-----
Na, Sodium	(mg/l)	(5) 36,300 - 42,900	(3) 370.0 (3) 620.0 (5) 363 - 451 (7) 820. (8) 770.0	(3) 67.0 (3) 250.0 (7) 800.0 (8) 650.0	-----	-----
Sr, Strontium	(mg/l)	-----	(3) 1.2 (3) 3.5 (7) 0.14 (8) .21	(3) 0.28 (3) 0.52 (7) .16 (8) .14	-----	-----
Ta, Tantalum	(mg/l)	-----	(7) <.028 (8) <.03	(7) <.032 (8) <.035	-----	-----
Te, Tellurium	(mg/l)	-----	(7) <.28 (8) <.3	(7) <.32 (8) <.35	-----	-----

TABLE II
LIQUID CHARACTERIZATION SUMMARY 1984 - 1988

"( )" - Test Result Reference Number

ANALYTE	UNITS	POND 207-A	POND 207-B NORTH	POND 207-B CENTER	POND 207-B SOUTH	POND 207-C
Tl, Thallium	(mg/l)	-----	(7) <.014 (8) <.015	(7) <.016 (8) <.018	-----	-----
Th, Thorium	(mg/l)	-----	(7) <.028 (8) <.03	(7) <.032 (8) <.035	-----	-----
Sn, Tin	(mg/l)	(5) 7.00 - 13.00	(5) ND (7) <.028 (8) <.03	(7) <.032 (8) <.035	-----	-----
Ti, Titanium	(mg/l)	-----	(7) <.014 (8) <.015	(7) <.016 (8) <.018	-----	-----
W, Tungsten	(mg/l)	-----	(7) <1.4 (8) <1.5	(7) <1.6 (8) <1.8	-----	-----
U, Uranium	(mg/l)	-----	(7) <1.4 (8) <1.5	(7) <1.6 (8) <1.8	-----	-----
V, Vanadium	(mg/l)	(5) 0.10 - 0.20	(3) ND (3) ND (5) ND (7) <.028 (8) <.03	(3) ND (3) 0.0001 (7) <.032 (8) <.035	-----	-----
Zn, Zinc	(mg/l)	(5) 0.62 - 0.78	(3) ND (3) ND (5) ND - 0.022 (7) <.14 (8) <.15	(3) 0.041 (3) ND (7) <.16 (8) <.18	-----	-----
Zr, Zirconium	(mg/l)	-----	(3) ND (3) ND (7) <.028 (8) <.03	(3) 0.0041 (3) ND (7) <.032 (8) <.035	----	-----
Tritium	(mg/l)	-----	(3) ND (3) 0.069	(3) 0.022 (3) 0.041	-----	-----
Phenols	(mg/l)	(5) 0.013 - 0.035	(5) 0.003 - 0.046	-----	-----	-----

TABLE III
SLUDGE CHARACTERIZATION SUMMARY 1984 - 1988

"( )" - Test Result Reference Number

ANALYTE	UNITS	POND 207-A	POND 207-B NORTH	POND 207-B CENTER	POND 207-B SOUTH	POND 207-C
pH		(6) 9.5				
Nitrate as Nitrogen	(mg/l)	(6) 8,800				
Gross Alpha	(pCi/g)	(4) 4,700(200) - 14,000(1,000)				
	(pCi/l)*	(6) 860,000				
Gross Beta	(pCi/g)	(4) 160(20) - 1,400(100)				
Pu, Plutonium 239	(pCi/g)	(4) 1,000(100) - 3,700(100)				
Am, Americum 241	(pCi/g)	(4) 1,400(200) - 4,400(100)				
U, Uranium 233 + 234	(pCi/g)	(4) 70(10) - 570(30)				
U, Uranium 235	(pCi/l)*	(6) 28(19)				
U, Uranium 238	(pCi/g)	(4) 130(10) - 480(30)				
	(pCi/l)*	(6) 520(90)				
Tritium	(pCi/g)	(4) 1,300(500) - 12,000(1,000)				
Al, Aluminum	(mg/kg)	(5) 11,000 - 11,900				
As, Arsenic	(mg/kg)	(5) ND				
Ba, Barium	(mg/kg)	(5) ND				
Be, Beryllium	(mg/kg)	(5) 309 - 1,570				
		(6) 170				
Cd, Cadmium	(mg/kg)	(5) 1,110 - 10,500				
Ca, Calicum	(mg/kg)	(5) 19,600 - 50,000				
Co, Cobalt	(mg/kg)	(5) ND				
Cr, Chromium (Total)	(mg/kg)	(5) 1,010 - 19,700				
Cr, Chromium (Hex.)	(mg/kg)	(6) <1.0				
Cu, Copper	(mg/kg)	(5) 425 - 1,590				
Fe, Iron	(mg/kg)	(5) 3,590 - 6,900				
Pb, Lead	(mg/kg)	(5) 65 - 455				
Mn, Manganese	(mg/kg)	(5) 153 - 595				
Mg, Magnesium	(mg/kg)	(5) 6,100 - 21,000				
Hg, Mercury	(mg/kg)	(5) 7.5 - 25				
Ni, Nickel	(mg/kg)	(5) 124 - 1,320				
K, Potassium	(mg/kg)	(5) 50,000 - 65,300				
Se, Selinium	(mg/kg)	(5) ND				
Ag, Silver	(mg/kg)	(5) 153 - 237				
Na, Sodium	(mg/kg)	(5) 130,000 - 166,000				
Sn, Tin	(mg/kg)	(5) ND				
V, Vanadium	(mg/kg)	(5) ND				
Z, Zinc	(mg/kg)	(5) 227 - 595				
Phenols	(mg/kg)	(5) ND - 3.3				

NOTES FOR TABLES II AND III

ND = Not Detected

(pCi/l)* = Units as shown on data provided for sludge in Pond 207-A

( ) = Test result reference ranging from 1 to 10, described below.

TEST RESULT REFERENCE NUMBER:

1 Summary of quarterly sampling 1984 and 1985, Appendix 3 Table 3-I.

2 Summary of weekly sampling for Ponds 207-B North and Center liquids, Appendix 3, Table 3-II.

3 Summary of two sets of metals analyses of Ponds 207-B North and Center liquids, October 1984 and April 1985, Appendix 3, Table 3-III.

4 Summary of radiochemical analyses, April and May 1986, Appendix 4, Table 4-I.

5 Summary of metals and phenols testing, April and May, 1986, Appendix 3, Table 3-IV.

6 Summary of parameters monitored in Pond 207-A sludge in May 1985, Appendix 4, Table 4-III

7 207-B Solar Pond North and Center quarterly metals analysis, August 14, 1987, Lab No. E87-3918, Appendix 4

8 207-B Solar Pond North and Center quarterly metals analysis, November 30, 1987, Lab No. E87-4254, Appendix 4

9 207-A and 207-C Solar Pond quarterly analysis results (liquids), March 1987 to March 1988, Appendix 4

10 207-B Solar Pond weekly analysis results (liquids), October 1987 to June 1988.

FINAL REPORT

SAMPLING AND ANALYSIS OF SOLAR POND WATER AND SLUDGE

Prepared for:
EG&G Rocky Flats, Inc.
Rocky Flats Plant
Rocky Flats, Colorado 80403

Prepared by:
Roy F. Weston, Inc.
215 Union Boulevard, Suite 550
Lakewood, Colorado 80228

Contract # BA26511PB
Modification 23

19 July 1991

TABLE 1
SUMMARY OF ANALYSIS REQUESTED FOR SOLAR POND SLUDGE AND WATER

Analyte	SW846 Method	Pond 207 A		Pond 207 BN		Pond 207 BC		Pond 207 BS		Pond 207 C		Laboratory
		Water	Sludge	Water	Sludge	Water	Sludge	Water	Sludge	Water	Sludge	
VOA	8240/624	X		X	X	X	X	X	X	X	X	WESTON
BNA	8270/625	X		X	X	X	X	X	X	X		WESTON
Pesticide/PCB	8080/608	X		X	X	X	X	X	X	X		WESTON
Metals (Total)	6010/7000	X	X	X	X	X	X	X	X	X	X	WESTON
Dioxin	613	X	X	X	X	X	X	X	X	X	X	WESTON
INORGANICS												
Cyanide (Total)	335.2	X		X	X	X	X	X	X	X	X	WESTON
% Moisture			X		X		X		X		X	WESTON
% Solids			X		X		X		X		X	WESTON
Ammonia as N	350.2	X		X	X	X	X	X	X	X	X	WESTON
TKN	351.3	X		X	X	X	X	X	X	X	X	WESTON
Sulfate	375.3	X		X	X	X	X	X	X	X	X	WESTON
Chloride	325.3	X		X	X	X	X	X	X	X	X	WESTON
Fluoride	340.2	X		X	X	X	X	X	X	X	X	WESTON
TOC	415.1	X		X	X	X	X	X	X	X	X	WESTON
Particle Size			X		X		X		X		X	WESTON
ANIONS												
TDS	160.1	X		X	X	X	X	X	X	X	X	ACCULABS
TSS	160.2	X		X	X	X	X	X	X	X	X	ACCULABS
Nitrite	354.1	X		X	X	X	X	X	X	X	X	ACCULABS
Orthophosphate	365.2	X		X	X	X	X	X	X	X	X	ACCULABS
Total phosphate	365.3	X		X	X	X	X	X	X	X	X	ACCULABS
Carbonate	SM 403	X		X	X	X	X	X	X	X	X	ACCULABS
Nitrate	353.2	X		X	X	X	X	X	X	X	X	ACCULABS
Alkalinity	310.1	X		X		X		X		X		ACCULABS
Sulfide	376.1	X		X	X	X	X	X	X	X	X	ACCULABS
RADIOCHEMICAL												
Gross alpha,beta	screen	X	X	X	X	X	X	X	X	X	X	EG&G
Gross alpha		X	X	X	X	X	X	X	X	X	X	Teledyne
Gross beta		X	X	X	X	X	X	X	X	X	X	Teledyne
Pu-239, Am-241, U-234, 235, 238		X	X	X	X	X	X	X	X	X	X	Teledyne

TABLE 2 (REVISION 1)
SOLAR POND WATER SAMPLE
COLLECTION OBSERVATIONS

POND	DATE SAMPLED	QUADRANT	WATER QUALITY			WATER DEPTH	MAX OVM[1]	DESCRIPTION
			pH	Conductivity µmhos	Temp °C			
207 BN	05-13-91	NW	8.83	3,150	16.9	48"	6.7	Brownish-green, cloudy, some suspended solids
		SW	8.85	3,150	16.6	51"	7.2	
		SE	8.85	3,250	16.1	48"	7.2	
		NE	8.85	3,150	16.2	50"	7.4	
207 A	05-17-91	NE	9.96	8,800	14.5	56"	--	Brownish-green, cloudy, some suspended solids
207 BC	05-19-91	NW	9.35	14,900	17.9	40"	7.1	Blue Dye, cloudy, little visible solids
		SW	9.35	15,000	18	38-40"	7.1	
		SE	9.35	14,900	18	38-40"	7.1	
		NE	9.35	14,500	16.8	38-40"	7.1	
207 BS	05-21-91	NW	9.28	15,000	16.8	40"	No data	Blue dye, cloudy, little visible solids
		SW	9.24	15,000	17	38-40"		
		SE	9.32	15,000	15.8	38-40"		
		NE	9.42	15,000	16.6	38-40"		
207 C	05-22-91	NW	9.28	15,000	16.8	38-40"	No data	Golden in color, clear
		SW	9.24	15,000	17	38-40"		
		SE	9.32	15,000	15.8	38-40"		
		NE	9.42	15,000	16.6	38-40"		

[1] Real-Time Organic Vapor Monitor in Units

TABLE 3
SOLAR POND SLUDGE SAMPLE COLLECTION OBSERVATIONS

POND	SAMPLE NO.	DATE SAMPLED	QUADRANT	ESTIMATED SLUDGE THICKNESS	MAX OVM[1]	DESCRIPTION/COMMENTS
207 BN	207BN-NW-SL	05-13-91	NW	4.25"	6.7	Brown to green, stringy, heavy algae (60%), some sediment (30%), gravel and cobbles (10%)
	207BN-NE-SL		NE	8.5"	7.4	
	207BN-SW-SL		SW	7"	7.2	
	207BN-SE-SL		SE	6"	7.2	
	207BN-CP-SL		--	--	--	
207 A	207A-CP-SL	05-17-91	NE	6-8"	--	Brownish, some algae (30%), heavy sediment (68%), some gravel (2%)
207 BC	207BC-NW-SL	05-19-91	NW	8"	7.1	Brown to green, stringy, heavy algae (60%), some gravel (2%), some sediment (30%)
	207BC-NE-SL		NE	7"	7.1	
	207BC-SW-SL		SE	7"	7.1	
	207BC-SE-SL		SE	7"	7.1	
	207BC-CP-SL		--	--		
207 BS	207BS-NW-SL	05-21-91	NW	8"	7.1	Brown to green, stringy, heavy algae (68%), some gravel (2%), some sediment (30%)
	207BS-NE-SL		NE	6.5-8"	7.1	
	207BS-SW-SL		SE	6.5-8"	7.1	
	207BS-SE-SL		SE	6.5-8"	7.1	
	207BC-CP-SL		--	--		
207 C	207C-NW-SL	05-23-91	NW	10.5"	8.2	Crystallized (75%), cloudy, brownish-green, some sediment (25%). Depth estimated from as-builts and depth of water in quadrant.
	207C-NE-SL		NE	4"	8.2	
	207C-SW-SL		SW	10"	8.2	
	207C-SE-SL		SE	23"	8.2	
	207C-CP-SL		—	--		

[1] Real-Time Organic Vapor Monitor in Units

DAMES & MOORE
1125 SEVENTEENTH STREET, SUITE 1200, DENVER, COLORADO 80202-2027
(303) 294-9100 FAX NO. (303) 299-7901

September 18, 1991

Mr. E. F. Lombardi
EG&G Rocky Flats
P.O. Box 464
ER&WP, T130C
Golden, CO 80402

Dear Mr. Lombardi:

A summary of chemical analyses of sludge and water from the 207 ponds is enclosed. The data was reported by Roy F. Weston in June, 1991. The data was presented in five large hard copy volumes. There was no summary or computerized record of the data.

The data was manually transcribed from Weston's report into a database in order to provide an organized summary. The data was proofread three times to minimize transcription errors. Then the data was summarized in four reports for each pond. The first report lists the compounds that were detected. The second report lists the compounds that exceed the Constituent Concentration in the Waste (CCW). The CCW limit is based on the most conservative limit given for the EPA hazardous waste numbers F001-F003, F005-F007, F009 and D006. The third report lists the data in its entirety for each pond. The fourth report is a list of missing data. In this case, missing means that a test was not performed according to the contract with Weston. Some of the missing data will become available when/if Weston can retrieve it from their records. In addition to the reports for each pond there is a report that gives all the water analysis for all the ponds.

A copy of the database files and programs used to generate this summary are on the enclosed diskette. The name of the main database file is WEST10.DBF. To generate the report from diskette, copy all of the files on this diskette to an IBM compatible computer equipped with dBase III+ (or later version), enter dBase, type "DO MASSIVE", and follow the instructions on the screen.

Sincerely,

DAMES & MOORE

Steven C. Jorgensen

Steven C. Jorgensen

LIST OF REPORTS

1. EXECUTIVE SUMMARY
   Source of the data
   Explanation of symbols
   Units
   What each report contains
   Table 1 - Compounds with concentrations greater than CCW
   Table 2 - CCW limits for EPA hazardous numbers F001-F003, F005-F007, F009, D006
   Field notes

2. 207 A POND REPORTS
   Detected compounds
   Comparison to regulatory levels
   All data, including undetected compounds
   Missing data

3. 207 B NORTH POND REPORTS
   Detected compounds
   Comparison to regulatory levels
   All data, including undetected compounds
   Missing data
   Particle size information

4. 207 B CENTER POND REPORTS
   Detected compounds
   Comparison to regulatory levels
   All data, including undetected compounds
   Missing data
   Particle size information

5. 207 B SOUTH POND REPORTS
   Detected compounds
   Comparison to regulatory levels
   All data, including undetected compounds
   Missing data
   Particle size information

6. 207 C POND REPORTS
   Detected compounds
   Comparison to regulatory levels
   All data, including undetected compounds
   Missing data
   Particle size information

7. ALL DATA FOR WATER IN ALL PONDS

EXECUTIVE SUMMARY

Source Of The Data

The samples were collected by Roy F. Weston during the period May 13, 1991 to May 23, 1991 for the purpose of characterizing the waste for land disposal. Samples of water were taken from all of the ponds ; 207 A, 207 B North, 207 B Center, 207 B South, and 207 C. Samples of sludge were collected from all of the ponds but 207 A. A sludge sample was taken from the center of each quadrant, and a composite sludge sample was generated from the quadrant samples. There were twenty sludge samples and five water samples in taken all.

The samples were analyzed by three laboratories. Weston's lab in Lionville, PA analyzed for the organic compounds, particle size, and cations. Teledyne in Westwood, NJ analyzed for radionuclides. Acculabs in Golden, CO analyzed for anions, pH and other tests.

The data was delivered to Rocky Flats on July 24, 1991 in five bound volumes. The copious volume of the report is due to the amount of documentation required for land disposal waste by EPA SW-846. The data was delivered in hard copy form only; there was no summary of the data. The data was manually entered into a data base in order to make this summary.

Explanation Of The Symbols

The concentration of each compound is followed by a blank space or a letter symbol.

blank space means that the measurement of the concentration meets EPA SW 846 quality control standards

U indicates that the compound was undetected in the sample and that the concentration that is listed is the detection limit

B indicates that the compound was found in the sample and in the lab or field blank

J indicates that the compound was detected, but below the quality control level

E indicates that there was an error at the laboratory

The name of the compound or test is proceeded by a symbol that indicates the type of compound.

A the compound is an anion

M the compound is a metal

P pesticides, PCBs, or dioxins

R radionuclide

S a semivolatile organic compound

T miscellaneous tests

V a volatile organic compound

The compounds are listed alphabetically by group. For example, all of the metals are listed alphabetically in one group with the compound name proceeded by the letter M. All of the organic compounds are in one group with P, V, or SV before the compound name.

Units

Nearly all the units in the reports are on a mass basis, such as uG/KG (micrograms per kilogram). This notation is used in the case of liquid and solid samples. The units are given once per page for each compound in the interest of saving written space. The laboratories reported the concentrations for the liquids in uG/L(micrograms per liter), and in uG/KG for solid samples.

The units for the Constituent Concentration in Waste (CCW) level are reported in 40 CFR 268 version) as mg/L. The CCW in this report are reported as one thousand times the mg/L value in uG/KG.

What Each Report Contains

There is a series of reports for each pond and a report on water analysis for all five ponds.

The first report for each pond gives the compounds that were detected at some level. Those were detected in the sample, detected in the sample below the qc level, or detected in the sample and in a sample blank. The first report also gives information from measurements, such as pH and gross alpha radiation. In other words, the undetected compounds are left out and all other data is left in.

The second report is a list of compounds that have concentrations above the CCW. The CCW is compared to the concentration of an analyte, or the detection level for that analyte. The CCW limit is based on the EPA hazardous waste numbers F001-F003, F005-F007, F009, and D006. The lowest, most conservative value for those waste numbers is used when waste numbers have different limits for a given compound.

The third report is the data in its entirety for each pond.

The fourth report is a list of the missing data.

The fifth report is the particle size information photocopied from the Weston report.

There is also a report that gives all of the water analyses for all five ponds.

TABLE 1
COMPOUNDS DETECTED IN THE 207 PONDS WITH
CONCENTRATIONS GREATER THAN THE CCW LEVEL,
IN PARTS/BILLION

POND/COMPOUND	CCW	WATER	COMPOSITE SLUDGE	NW SLUDGE	SW SLUDGE	NE SLUDGE	SE SLUDGE
207 B NORTH							
Cadmium	66		11,700	11,500	18,800	12,100	15,100
Chromium	5,200		33,200	70,600	24,200	31,200	17,500
Lead	510		11,600	13,800	10,600	14,400	9,600
207 B CENTER							
Tetrachloroethene	50		56			120	
Cadmium	66		108,000	71,600	93,500	59,300	110,000
Chromium	5,200	93.8	127,000	56,800	390,000	50,600	82,300
Lead	510		12,900	12,300	14,400	10,200	12,400
207 B SOUTH							
Tetrachloroethene	50		130	240	310	59	38
Cadmium	66		28,200	23,900	25,700	27,500	18,900
Chromium	5,200	22.8	30,000	23,300	27,700	35,800	30,700
Lead	510		9,400		21,100	11,300	
Silver	72			25,900	18,900		
207 C							
Cadmium	66	312	5,600	3,200	116,000	5,800	4,500
Chromium	5,200	2,360	17,600	16,000	365,000	21,600	19,200
Lead	510				2,000		
Nickel	320	5,090			23,100		
Silver	72				4,400		
207 A							
None above CCW							

Table 1 is based on a comparison of the data to the CCW limits for the EPA hazardous waste numbers F001-F003, F005-F007, F009, and D009. The lowest limit for any of the hazardous waste numbers was compared to concentrations of compounds detected in the ponds. All compounds with concentrations greater than the CCW are reported in the table.

Table 2 gives the lowest limit of CCW limits for EPA hazardous numbers F001-F007, F009, D006. Note that all the limits are based on the Constituent Concentration in the Waste Extract (CCWE) except for total cyanide and amenable cyanide which are based on the Constituent Concentration in the Waste (CCW). The units are parts/billion, uG/L for liquids, uG/KG for solids.

TABLE 2
CCW LIMITS FOR EPA HAZARDOUS NUMBERS F001-F003, F005-F007, F009, D006

	COMPOUND	CCW LIMIT	UNITS	BASIS
	ACETONE	590	uG/L	CCWE
	BENZENE	3700	uG/L	CCWE
	CARBON DISULFIDE	4810	uG/L	CCWE
	CARBON TETRACHLORIDE	960	uG/L	CCWE
	CHLOROBENZENE	50	uG/L	CCWE
	CYCLOHEXANONE	750	uG/L	CCWE
1,2	DICHLOROBENZENE	125	uG/L	CCWE
	DIETHYL ETHER	750	uG/L	CCWE
	ETHYL ACETATE	750	uG/L	CCWE
	ETHYL BENZENE	53	uG/L	CCWE
	ISO BUTYL ALCOHOL	5000	uG/L	CCWE
	METHANOL	750	uG/L	CCWE
	METHYLENE CHLORIDE	960	uG/L	CCWE
	N BUTYL ALCOHOL	5000	uG/L	CCWE
	TETRACHLOROETHENE	50	uG/L	CCWE
	TOLUENE	330	uG/L	CCWE
1,1,1	TRICHLOROETHANE	410	uG/L	CCWE
1,1,2	TRICHLOROETHANE	7600	uG/L	CCWE
	TRICHLOROETHENE	91	uG/L	CCWE
	TRICHLOROFLUOROMETHANE	960	uG/L	CCWE
1,1,2	TRICHLOROTRIFLUOROETHANE	960	uG/L	CCWE
	XYLENES (TOTAL)	150	uG/L	CCWE
	CADMIUM	66	uG/L	CCWE
	CHROMIUM, TOTAL	5200	uG/L	CCWE
	LEAD	510	uG/L	CCWE
	NICKEL	320	uG/L	CCWE
	SILVER	72	uG/L	CCWE
	*CYANIDE, TOTAL	590000	uG/KG	CCW

Methyl ethyl ketone, methyl isobutyl ketone, pyridine, and amenable cyanide have CCW limits but were not analyzed in this investigation. 2-nitropropane and 2-ethoxyethanol were not analyzed in this investigation. The treatment standard for these compounds is incineration.

207 A: DETECTED COMPOUNDS

TYPE		COMPOUND	WATER 207 A		UNITS	CCW
V		ACETONE	3.00	JB	uG/KG	590
P		ATRAZINE	3.50		uG/KG	
S		DI-N-BUTYLPHTHALATE	1.00	J	uG/KG	
V		METHYLENE CHLORIDE	5.00	B	uG/KG	960
S	2	NITROPHENOL	2.00	J	uG/KG	
M		BORON	1260.00		uG/KG	
M		CALCIUM	60400.00		uG/KG	
M		LEAD	3.90		uG/KG	510
M		LITHIUM	1420.00		uG/KG	
M		MAGNESIUM	121000.00		uG/KG	
M		POTASSIUM	376000.00		uG/KG	
M		SELENIUM	14.90		uG/KG	
M		SILICON	846.00		uG/KG	
M		SODIUM	1610000.00		uG/KG	
M		STRONTIUM	2350.00		uG/KG	
M		ZINC	27.50		uG/KG	
A		AMMONIA	0.43		MG/KG	
A		BICARBONATE	35.00			
A		CARBONATE	47.00		MG/KG	
A		CHLORIDE	416.00		MG/KG	
A		CYANIDE, TOTAL	478.00		uG/KG	590000
A		NITRATE-N	1000.00		MG/KG	
A		NITRITE	39.00		MG/KG	
A		PHOSPHATE, ORTHO	0.00	<.02	MG/KG	
A		PHOSPHATE, TOTAL	0.00	<.1	MG/KG	
A		SULFATE	409.00		MG/KG	
A		SULFIDE	0.00	< 1	MG/L	
T		ALKALINITY, TOTAL	110.00		MG/KG	
T		ASTM D 422, PARTICLE SIZE	0.00		GRAPH	
T		CONDUCTIVITY @ 25C	8800.00		uMHOS	
T		TOTAL DISSOLVED SOLIDS	7600.00		MG/L	
T		TOTAL ORGANIC CARBON	67.80		MG/L	
T		TOTAL SUSPENDED SOLIDS	23.00		%	
T		pH	9.90		pH	
R		AMERICIUM 241	0.42	+-.19	pCI/L	
R		GROSS ALPHA	300.00	+-60	pCI/L	
R		GROSS BETA	930.00	+-60	pCI/L	
R		PLUTONIUM 239	0.71	+-.29	pCI/L	
R		URANIUM 234	310.00	+-10	pCI/L	
R		URANIUM 235	11.00	+-1.	pCI/L	
R		URANIUM 238	340.00	+-10	pCI/L	

U-UNDETECTED, J-DETECTED BELOW QC LIMIT, B-FOUND IN BLANK, E-LABORATORY ERROR

A-ANION; M-METAL; P-PESTICIDE, PCB, OR DIOXIN; R-RADIONUCLIDE
S-SEMIVOLATILE ORGANIC COMPOUND; V-VOLATILE ORGANIC COMPOUND; T-MISCELLANEOUS TESTS

WHERE THE CONCENTRATION IS REPORTED AS LESS THAN A GIVEN VALUE, IT APPEARS IN THIS REPORT AS 0.00 < _.__ , AS FOR SULFIDE, PHOSPHATE, AND SOME RADIONUCLIDES
N-NITROSODIPHENYLAMINE COULD NOT BE SEPARATED FROM DIPHENYLAMINE

207 A:
THE CONSTITUENT CONCENTRATION IN THE WASTE (CCW) LEVEL IS EXCEEDED
BY THE DETECTION LIMIT OR THE CONCENTRATION IN THE FOLLOWING COMPOUNDS

COMPOUND	CCW	207 A

IF NO COMPOUNDS ARE LISTED, NONE ARE ABOVE THE CCW
U-UNDETECTED, J-DETECTED BELOW QC LIMIT, B-FOUND IN BLANK

ALL WATER ANALYSIS FOR 207 A

TYPE	ISOMER	COMPOUND	UNITS	A WATER	CCW
S		ACENAPHTHENE	uG/KG	10.00 U	
S		ACENAPHTHYLENE	uG/KG	10.00 U	
V		ACETONE	uG/KG	3.00 JB	590
V		ACRYLONITRILE	uG/KG	10.00 U	
P		ALDRIN	uG/KG	0.10 U	
S		ANTHRACENE	uG/KG	10.00 U	
P		AROCLOR 1016	uG/KG	1.00 U	
P		AROCLOR 1221	uG/KG	1.00 U	
P		AROCLOR 1232	uG/KG	1.00 U	
P		AROCLOR 1242	uG/KG	1.00 U	
P		AROCLOR 1248	uG/KG	1.00 U	
P		AROCLOR 1254	uG/KG	2.00 U	
P		AROCLOR 1260	uG/KG	2.00 U	
P		ATRAZINE	uG/KG	3.50	
V		BENZENE	uG/KG	5.00 U	3700
S		BENZO(A)ANTHRACENE	uG/KG	10.00 U	
S		BENZO(A)PYRENE	uG/KG	10.00 U	
S		BENZO(B)FLUORANTHENE	uG/KG	10.00 U	
S		BENZO(G,H,I)PERYLENE	uG/KG	10.00 U	
S		BENZO(K)FLUORANTHENE	uG/KG	10.00 U	
S		BENZOIC ACID	uG/KG	52.00 U	
S		BENZYL ALCOHOL	uG/KG	10.00 U	
V		BROMODICHLOROMETHANE	uG/KG	5.00 U	
V		BROMOFORM	uG/KG	5.00 U	
V		BROMOMETHANE	uG/KG	10.00 U	
S	4	BROMOPHENYL-PHENYL ETHER	uG/KG	10.00 U	
V	2	BUTANONE	uG/KG	10.00 U	
S		BUTYLBENZYLPHTHALATE	uG/KG	10.00 U	
V		CARBON DISULFIDE	uG/KG	5.00 U	4810
V		CARBON TETRACHLORIDE	uG/KG	5.00 U	960
P		CHLORDANE, ALPHA	uG/KG	1.00 U	
P		CHLORDANE, GAMMA	uG/KG	1.00 U	
S	4	CHLORO-3-METHYLPHENOL	uG/KG	10.00 U	
S	4	CHLOROANILINE	uG/KG	10.00 U	
V		CHLOROBENZENE	uG/KG	5.00 U	50
V		CHLOROETHANE	uG/KG	10.00 U	
S	BIS 2	CHLOROETHOXYMETHANE	uG/KG	10.00 U	
S	BIS 2	CHLOROETHYLETHER	uG/KG	10.00 U	
V		CHLOROFORM	uG/KG	5.00 U	
S	BIS 2	CHLOROISOPROPYL ETHER	uG/KG	10.00 U	
V		CHLOROMETHANE	uG/KG	10.00 U	
S	2	CHLORONAPHTHALENE	uG/KG	10.00 U	
S	2	CHLOROPHENOL	uG/KG	10.00 U	
S	4	CHLOROPHENYL-PHENYLETHER	uG/KG	10.00 U	
S		CHRYSENE	uG/KG	10.00 U	
V		CYCLOHEXANONE	uG/KG	9.50 U	750
P	44	DDD	uG/KG	0.20 U	
P	44	DDE	uG/KG	0.20 U	

ALL WATER ANALYSIS FOR 207 A

TYPE	ISOMER	COMPOUND	UNITS	A WATER	CCW
P	44	DDT	uG/KG	0.20 U	
S		DI-N-BUTYLPHTHALATE	uG/KG	1.00 J	
S		DI-N-OCTYL PHTHALATE	uG/KG	10.00 U	
P		DIAZINON	uG/KG	0.51 U	
S		DIBENZO(A,H)ANTHRACENE	uG/KG	10.00 U	
S		DIBENZOFURAN	uG/KG	10.00 U	
V		DIBROMOCHLOROMETHANE	uG/KG	5.00 U	
S	13	DICHLOROBENZENE	uG/KG	10.00 U	
S	14	DICHLOROBENZENE	uG/KG	10.00 U	
S	12	DICHLOROBENZENE	uG/KG	10.00 U	125
S	33	DICHLOROBENZIDINE	uG/KG	21.00 U	
V	12	DICHLOROETHANE	uG/KG	5.00 U	
V	11	DICHLOROETHANE	uG/KG	5.00 U	
V	11	DICHLOROETHENE	uG/KG	5.00 U	
V	12	DICHLOROETHENE(TOTAL)	uG/KG	5.00 U	
S	24	DICHLOROPHENOL	uG/KG	10.00 U	
V	12	DICHLOROPROPANE	uG/KG	5.00 U	
V	TRANS 13	DICHLOROPROPENE	uG/KG	5.00 U	
V	CIS 13	DICHLOROPROPENE	uG/KG	5.00 U	
P		DIELDRIN	uG/KG	0.20 U	750
V		DIETHYL ETHER	uG/KG	7.10 U	
S		DIETHYL PHTHALATE	uG/KG	10.00 U	
S		DIMETHYL PHTHALATE	uG/KG	10.00 U	
S	24	DIMETHYLPHENOL	uG/KG	10.00 U	
S	46	DINITRO-2-METHYLPHENOL	uG/KG	52.00 U	
S	24	DINITROPHENOL	uG/KG	52.00 U	
S	26	DINITROTOLUENE	uG/KG	10.00 U	
S	24	DINITROTOLUENE	uG/KG	10.00 U	
P		DIOXIN (2,3,7,8 TCDD)	nG/KG	0.50 U	
P		ENDOSULFAN I	uG/KG	0.10 U	
P	44	ENDOSULFAN II	uG/KG	0.20 U	
P	44	ENDOSULFAN SULFATE	uG/KG	0.20 U	
P	44	ENDRIN	uG/KG	0.20 U	
P	44	ENDRIN KETONE	uG/KG	0.20 U	
V		ETHYL ACETATE	uG/KG	9.00 U	750
V		ETHYL BENZENE	uG/KG	5.00 U	53
S	BIS 2	ETHYLHEXYL PHTHALATE	uG/KG	10.00 U	
S		FLUORANTHENE	uG/KG	10.00 U	
S		FLUORENE	uG/KG	10.00 U	
P		HEPTACHLOR	uG/KG	0.10 U	
P		HEPTACHLOR EPOXIDE	uG/KG	0.10 U	
S		HEXACHLOROBENZENE	uG/KG	10.00 U	
S		HEXACHLOROBUTADIENE	uG/KG	10.00 U	
P		HEXACHLOROCYCLOHEXANE, ALPHA	uG/KG	0.10 U	
P		HEXACHLOROCYCLOHEXANE, BETA	uG/KG	0.10 U	
P		HEXACHLOROCYCLOHEXANE, DELTA	uG/KG	0.10 U	
P		HEXACHLOROCYCLOHEXANE, GAMMA	uG/KG	0.10 U	
S		HEXACHLOROCYCLOPENTADIENE	uG/KG	10.00 U	

ALL WATER ANALYSIS FOR 207 A

TYPE	ISOMER	COMPOUND	UNITS	A WATER	CCW
S		HEXACHLOROETHANE	uG/KG	10.00 U	
V	2	HEXANONE	uG/KG	10.00 U	
S		INDENO(1,2,3-CD)PYRENE	uG/KG	10.00 U	
V		ISO BUTYL ALCOHOL	uG/KG	8.10 U	5000
S		ISOPHORONE	uG/KG	10.00 U	
V		METHANOL	uG/KG	7.80 U	750
P		METHOXYCHLOR	uG/KG	1.00 U	
S	2	METHYL NAPHTHALENE	uG/KG	10.00 U	
P		METHYL PARATHION	uG/KG	0.51 U	
V	4	METHYL-2-PENTANONE	uG/KG	10.00 U	
V		METHYLENE CHLORIDE	uG/KG	5.00 B	960
S	2	METHYLPHENOL(O-CRESOL)	uG/KG	10.00 U	
S	4	METHYLPHENOL(P-CRESOL)	uG/KG	10.00 U	
V		N BUTYL ALCOHOL	uG/KG	8.10 U	5000
S		N-NITROSO-DI-PROPYLAMINE	uG/KG	10.00 U	
S		N-NITROSODIPHENYLAMINE	uG/KG	10.00 U	
S		NAPHTHALENE	uG/KG	10.00 U	
S	4	NITROANILINE	uG/KG	52.00 U	
S	2	NITROANILINE	uG/KG	52.00 U	
S	3	NITROBENZENE	uG/KG	10.00 U	
S	2	NITROPHENOL	uG/KG	2.00 J	
S	4	NITROPHENOL	uG/KG	52.00 U	
S		PENTACHLOROPHENOL	uG/KG	52.00 U	
S		PHENANTHRENE	uG/KG	10.00 U	
S		PHENOL	uG/KG	10.00 U	
S		PYRENE	uG/KG	10.00 U	
P		SIMAZINE	uG/KG	1.00 U	
V		STYRENE	uG/KG	5.00 U	
V	1122	TETRACHLOROETHANE	uG/KG	5.00 U	
V		TETRACHLOROETHENE	uG/KG	5.00 U	50
V		TOLUENE	uG/KG	5.00 U	330
P		TOXAPHENE	uG/KG	2.00 U	
S	124	TRICHLOROBENZENE	uG/KG	10.00 U	
V	111	TRICHLOROETHANE	uG/KG	5.00 U	410
V	112	TRICHLOROETHANE	uG/KG	5.00 U	7600
V		TRICHLOROETHENE	uG/KG	5.00 U	91
V		TRICHLOROFLUOROMETHANE	uG/KG	5.00 U	960
S	245	TRICHLOROPHENOL	uG/KG	52.00 U	
S	246	TRICHLOROPHENOL	uG/KG	10.00 U	
V	112	TRICHLOROTRIFLUOROETHANE	uG/KG	10.00 U	960
V		VINYL ACETATE	uG/KG	10.00 U	
V		VINYL CHLORIDE	uG/KG	10.00 U	
V		XYLENES (TOTAL)	uG/KG	5.00 U	150
M		ALUMINUM	uG/KG	200.00 U	
M		ANTIMONY	uG/KG	60.00 U	
M		ARSENIC	uG/KG	10.00 U	
M		BARIUM	uG/KG	200.00 U	
M		BERYLLIUM	uG/KG	5.00 U	

ALL WATER ANALYSIS FOR 207 A

TYPE	ISOMER	COMPOUND	UNITS	A WATER		CCW
M		BORON	uG/KG	1260.00		
M		CADMIUM	uG/KG	5.00	U	66
M		CALCIUM	uG/KG	60400.00		
M		CHROMIUM, TOTAL	uG/KG	10.00	U	5200
M		COBALT	uG/KG	50.00	U	
M		COPPER	uG/KG	25.00	U	
M		IRON	uG/KG	100.00	U	
M		LEAD	uG/KG	3.90		510
M		LITHIUM	uG/KG	1420.00		
M		MAGNESIUM	uG/KG	121000.00		
M		MANGANESE	uG/KG	15.00	U	
M		MERCURY	uG/KG	0.20	U	
M		MOLYBDENUM	uG/KG	100.00	U	
M		NICKEL	uG/KG	40.00	U	320
M		POTASSIUM	uG/KG	376000.00		
M		SELENIUM	uG/KG	14.90		
M		SILICON	uG/KG	846.00		
M		SILVER	uG/KG	10.00	U	72
M		SODIUM	uG/KG	1610000.00	J	
M		STRONTIUM	uG/KG	2350.00		
M		THALLIUM	uG/KG	10.00	U	
M		TIN	uG/KG	100.00	U	
M		VANADIUM	uG/KG	50.00	U	
M		ZINC	uG/KG	27.50		
A		AMMONIA	MG/KG	0.43		
A		BICARBONATE		35.00		
A		CARBONATE	MG/KG	47.00		
A		CHLORIDE	MG/KG	416.00		
A		CYANIDE, TOTAL	uG/KG	478.00		590000
A		FLUORIDE	MG/KG	50.00	U	
A		NITRATE-N	MG/KG	1000.00		
A		NITRITE	MG/KG	39.00		
A		PHOSPHATE, ORTHO	MG/KG	0.00	<.02	
A		PHOSPHATE, TOTAL	MG/KG	0.00	<.1	
A		SULFATE	MG/KG	409.00		
A		SULFIDE	MG/L	0.00	< 1	
A		TKN-N	MG/KG	0.10	U	
T		ALKALINITY, TOTAL	MG/KG	110.00		
T		ASTM D 422, PARTICLE SIZE	GRAPH	0.00		
T		CONDUCTIVITY @ 25C	uMHOS	8800.00		
T		TOTAL DISSOLVED SOLIDS	MG/L	7600.00		
T		TOTAL ORGANIC CARBON	MG/L	67.80		
T		TOTAL SUSPENDED SOLIDS	%	23.00		
T		pH	pH	9.90		
R		AMERICIUM 241	pCI/L	0.42	+-.19	
R		GROSS ALPHA	pCI/L	300.00	+-60	
R		GROSS BETA	pCI/L	930.00	+-60	
R		PLUTONIUM 239	pCI/L	0.71	+-.29	

ALL WATER ANALYSIS FOR 207 A

T Y P E	ISOMER	COMPOUND	UNITS	A WATER	CCW
R		URANIUM 234	pCI/L	310.00 +-10	
R		URANIUM 235	pCI/L	11.00 +-1.	
R		URANIUM 238	pCI/L	340.00 +-10	

U-UNDETECTED, J-DETECTED BELOW QC LIMIT, B-FOUND IN BLANK, E-LABORATORY ERROR

A-ANION; M-METAL; P-PESTICIDE, PCB, OR DIOXIN; R-RADIONUCLIDE
S-SEMIVOLATILE ORGANIC COMPOUND; V-VOLATILE ORGANIC COMPOUND; T-MISCELLANEOUS TESTS

WHERE THE CONCENTRATION IS REPORTED AS LESS THAN A GIVEN VALUE, IT APPEARS IN THIS REPORT AS 0.00 < _.__ , AS FOR SULFIDE, PHOSPHATE, AND SOME RADIONUCLIDES
N-NITROSODIPHENYLAMINE COULD NOT BE SEPARATED FROM DIPHENYLAMINE

207 B NORTH: DETECTED COMPOUNDS

TYPE		COMPOUND	UNITS	WATER B NORTH	COMPOSITE SLUDGE	NW QUADRANT SLUDGE	SW QUADRANT SLUDGE	NE QUADRANT SLUDGE	SE QUADRANT SLUDGE	CCW
S		ACENAPHTHENE	uG/KG	10.00 U	4500.00	1500.00 U	1500.00 U	1800.00 U	1500.00 U	
V		ACETONE	uG/KG	1.00 JB	150.00 B	92.00 B	530.00 B	260.00 B	270.00 B	590
P		AROCLOR 1254	uG/KG	1.00 U	280.00 J	100.00 J	95.00 J	800.00 U	640.00 U	
P		ATRAZINE	uG/KG	1.10	49.00 J	36.00 J	31.00 J	39.00 J	45.00 J	
S	4	CHLORO-3-METHYLPHENOL	uG/KG	10.00 U	7900.00	1500.00 U	1500.00 U	1800.00 U	1500.00 U	
S	2	CHLOROPHENOL	uG/KG	10.00 U	7700.00	1500.00 U	1500.00 U	1800.00 U	1500.00 U	
S		DI-N-BUTYLPHTHALATE	uG/KG	10.00 U	690.00 J	1500.00 U	170.00 J	1300.00 J	1500.00 U	
S		DI-N-OCTYL PHTHALATE	uG/KG	10.00 U	2200.00 U	1500.00 U	1500.00 J	1800.00 U	1500.00 U	
S	14	DICHLOROBENZENE	uG/KG	10.00 U	4000.00	1500.00 U	1500.00 U	1800.00 U	1500.00 U	
S	24	DINITROTOLUENE	uG/KG	10.00 U	3500.00	1500.00 U	1500.00 U	1800.00 U	1500.00 U	
S	BIS 2	ETHYLHEXYL PHTHALATE	uG/KG	10.00 U	320.00 J	290.00 J	170.00 U	1800.00 U	1500.00 U	
S		FLUORANTHENE	uG/KG	10.00 U	360.00 J	1500.00 U	160.00 U	1800.00 U	1500.00 U	
V		METHYLENE CHLORIDE	uG/KG	5.00 U	220.00 B	250.00 B	660.00 B	170.00 B	190.00 B	960
S		N-NITROSO-DI-PROPYLAMINE	uG/KG	10.00 U	3900.00	1500.00 U	1500.00 U	1800.00 U	1500.00 U	
S	4	NITROPHENOL	uG/KG	52.00 U	7800.00 J	7600.00 U	7300.00 U	9200.00 U	7400.00 U	
S		PENTACHLOROPHENOL	uG/KG	52.00 U	8000.00 J	7600.00 U	7300.00 U	9200.00 U	7400.00 U	
S		PHENANTHRENE	uG/KG	10.00 U	310.00 J	1500.00 U	150.00 J	1800.00 U	1500.00 U	
S		PHENOL	uG/KG	10.00 U	7400.00	1500.00 U	1500.00 U	1800.00 U	1500.00 U	
S		PYRENE	uG/KG	10.00 U	4600.00	1500.00 U	160.00 J	1800.00 U	1500.00 U	
S	124	TRICHLOROBENZENE	uG/KG	10.00 U	4300.00	1500.00 U	1500.00 U	1800.00 U	1500.00 U	
M		ALUMINUM	uG/KG	200.00 U	4140000.00	2630000.00	2960000.00	4340000.00	2600000.00	
M		BARIUM	uG/KG	200.00 U	154000.00 U	159000.00 U	134000.00	144000.00	152000.00 U	
M		BORON	uG/KG	173.00	76900.00 U	79300.00 U	59400.00 U	67400.00 U	76300.00 U	
M		CADMIUM	uG/KG	5.00 U	11700.00	11500.00	18800.00	12100.00	15100.00	66
M		CALCIUM	uG/KG	189000.00	247000000.00	207000000.00	256000000.00	263000000.00	223000000.00	
M		CHROMIUM, TOTAL	uG/KG	10.00 U	33200.00	70600.00	24200.00	31200.00	17500.00	5200
M		COPPER	uG/KG	25.00 U	19200.00 U	19800.00 U	15300.00	18900.00	19100.00 U	
M		IRON	uG/KG	100.00 U	4530000.00	2920000.00	3370000.00	4800000.00	2970000.00	
M		LEAD	uG/KG	3.00 U	11600.00	13800.00	10600.00	14400.00	9600.00	510
M		LITHIUM	uG/KG	332.00	76900.00 U	79300.00 U	59400.00 U	67400.00 U	76300.00 U	
M		MAGNESIUM	uG/KG	79300.00	4670000.00	3960000.00 U	4630000.00	5070000.00	4000000.00	
M		MANGANESE	uG/KG	15.00 U	79600.00	62200.00	68400.00	90200.00	60500.00	
M		POTASSIUM	uG/KG	58800.00	3850000.00 U	3960000.00 U	2970000.00 U	3370000.00 U	3810000.00 U	
M		SELENIUM	uG/KG	8.20	3600.00 U	3600.00 U	3500.00 U	4100.00 U	3000.00 U	
M		SILICON	uG/KG	1020.00	2670000.00	1400000.00	1820000.00	1110000.00	2270000.00	
M		SODIUM	uG/KG	403000.00	3850000.00 U	3960000.00 U	2970000.00 U	3370000.00 U	3810000.00 U	
M		STRONTIUM	uG/KG	2220.00	692000.00	582000.00	716000.00	752000.00	619000.00	
M		THALLIUM	uG/KG	10.00 U	7300.00	7200.00 U	7100.00 U	8200.00 U	5900.00 U	
M		ZINC	uG/KG	47.90	101000.00	77600.00	91400.00	105000.00	81800.00	
A		AMMONIA	MG/KG	0.10 U	102.00	15.20	24.00	23.80	16.30	
A		CARBONATE	MG/KG	0.00 < 5	0.00	0.00	0.00	0.00	0.00	
A		CHLORIDE	MG/KG	147.00	1910.00	1490.00	927.00	1460.00	1540.00	
A		CYANIDE, TOTAL	uG/KG	37.80	3900.00 U	4200.00 U	4300.00 U	4300.00 U	3800.00 U	590000
A		NITRATE-N	MG/KG	39.00	600.00	780.00	640.00	380.00	860.00	
A		NITRITE	MG/KG	1.30 U	10.00	2.80	14.00	28.00	0.46	
A		PHOSPHATE, ORTHO	MG/KG	0.00 <.02	4.10	2.80	3.40	8.90	2.40	
A		PHOSPHATE, TOTAL	MG/KG	0.04	0.00 < 25	28.00	0.00 <25	0.00 <25	0.00 <25	
A		SULFATE	MG/KG	155.00	630.00 U	625.00 U	575.00 U	550.00 U	546.00 U	

207 B NORTH: DETECTED COMPOUNDS

TYPE	COMPOUND	UNITS	WATER B NORTH	COMPOSITE SLUDGE	NW QUADRANT SLUDGE	SW QUADRANT SLUDGE	NE QUADRANT SLUDGE	SE QUADRANT SLUDGE	CCW
A	SULFIDE	MG/L	0.00 < 1.	56.00	24.00	8.00	32.00	16.00	
A	TKN-N	MG/KG	0.50 U	1430.00	1140.00	5110.00	1210.00	1240.00	
T	ALKALINITY, TOTAL	MG/KG	75.00	290.00	180.00	300.00	440.00	240.00	
T	ASTM D 422, PARTICLE SIZE	GRAPH	0.00	0.00	0.00	0.00	0.00	0.00	
T	CONDUCTIVITY @ 25C	uMHOS	3380.00	589.00	627.00	455.00	445.00	459.00	
T	TOTAL DISSOLVED SOLIDS	MG/L	3200.00	0.00	0.00	0.00	0.00	0.00	
T	TOTAL ORGANIC CARBON	MG/L	7.60	11000.00	9600.00	10000.00	14000.00	11000.00	
T	TOTAL SUSPENDED SOLIDS	%	18.00	25.70	0.00	0.00	0.00	0.00	
T	pH	pH	8.50	7.30	7.40	7.50	7.30	7.20	
R	AMERICIUM 241	pCI/L	0.14 +-.11	0.00 < 1.0	0.00 < 3.0	0.00 <0.6	0.00 <0.7	0.00 < 8.0	
R	GROSS ALPHA	pCI/L	59.00 +-21	33.00 +-9	38.00 +-9	28.00 +-8	28.00 +-8	32.00 +-8	
R	GROSS BETA	pCI/L	110.00 +-20	46.00 +-3	42.00 +-3	38.00 +-3	41.00 +-3	43.00 +-3	
R	PLUTONIUM 239	pCI/L	0.00 <0.1	2.20 +-1.1	11.00 +-2	2.00 +-.2	6.20 +-5.4	4.20 +-2	
R	URANIUM 234	pCI/L	40.00 +-2.	13.00 +-1	14.00 +-1	19.00 +-1	13.00 +-1	14.00 +-1	
R	URANIUM 235	pCI/L	1.70 +-.5	0.41 +-.13	0.31 +-.08	0.55 +-.19	0.35 +-.13	0.30 +-.12	
R	URANIUM 238	pCI/L	26.00 +-2.	8.40 +-0.6	9.30 +-0.4	12.00 +-1	8.90 +-.6	9.60 +-.7	

U-UNDETECTED, J-DETECTED BELOW QC LIMIT, B-FOUND IN BLANK, E-LABORATORY ERROR

A-ANION; M-METAL; P-PESTICIDE, PCB, OR DIOXIN; R-RADIONUCLIDE
S-SEMIVOLATILE ORGANIC COMPOUND; V-VOLATILE ORGANIC COMPOUND; T-MISCELLANEOUS TESTS

WHERE THE CONCENTRATION IS REPORTED AS LESS THAN A GIVEN VALUE, IT APPEARS IN THIS REPORT AS 0.00 < _.__ , AS FOR SULFIDE, PHOSPHATE, AND SOME RADIONUCLIDES
N-NITROSODIPHENYLAMINE COULD NOT BE SEPARATED FROM DIPHENYLAMINE

207 B NORTH: CCW COMPARISON

THE CONSTITUENT CONCENTRATION IN THE WASTE (CCW) LEVEL IS EXCEEDED
BY THE DETECTION LIMIT OR THE CONCENTRATION IN THE FOLLOWING COMPOUNDS

	COMPOUND	CCW	LIQUID	SLUDGE COMPOSITE	SLUDGE NW QUADRANT	SLUDGE SW QUADRANT	SLUDGE NE QUADRANT	SLUDGE SE QUADRANT
12	DICHLOROBENZENE	125	10.00 U	2200.00 U	1500.00 U	1500.00 U	1800.00 U	1500.00 U
	CADMIUM	66	5.00 U	11700.00	11500.00	18800.00	12100.00	15100.00
	CHROMIUM, TOTAL	5200	10.00 U	33200.00	70600.00	24200.00	31200.00	17500.00
	LEAD	510	3.00 U	11600.00	13800.00	10600.00	14400.00	9600.00
	NICKEL	320	40.00 U	30800.00 U	31700.00 U	23800.00 U	27000.00 U	30500.00 U
	SILVER	72	10.00 U	7700.00 U	7900.00 U	5900.00 U	6700.00 U	7600.00 U

IF NO COMPOUNDS ARE LISTED, NONE ARE ABOVE THE CCW
U-UNDETECTED, J-DETECTED BELOW QC LIMIT, B-FOUND IN BLANK

207 B NORTH: ALL REPORTED DATA

TYPE		COMPOUND	UNITS	WATER B NORTH	COMPOSITE SLUDGE	NW QUADRANT SLUDGE	SW QUADRANT SLUDGE	NE QUADRANT SLUDGE	SE QUADRANT SLUDGE	CCW
S		ACENAPHTHENE	uG/KG	10.00 U	4500.00	1500.00 U	1500.00 U	1800.00 U	1500.00 U	
S		ACENAPHTHYLENE	uG/KG	10.00 U	2200.00 U	1500.00 U	1500.00 U	1800.00 U	1500.00 U	
V		ACETONE	uG/KG	1.00 JB	150.00 B	92.00 B	530.00 B	260.00 B	270.00 B	590
V		ACRYLONITRILE	uG/KG	10.00 U	38.00 U	42.00 U	42.00 U	43.00 U	38.00 U	
P		ALDRIN	uG/KG	0.05 U	240.00 U	33.00 U	32.00 U	40.00 U	32.00 U	
S		ANTHRACENE	uG/KG	10.00 U	2200.00 U	1500.00 U	1500.00 U	1800.00 U	1500.00 U	
P		AROCLOR 1016	uG/KG	0.52 U	2400.00 U	330.00 U	320.00 U	400.00 U	320.00 U	
P		AROCLOR 1221	uG/KG	0.52 U	2400.00 U	330.00 U	320.00 U	400.00 U	320.00 U	
P		AROCLOR 1232	uG/KG	0.52 U	2400.00 U	330.00 U	320.00 U	400.00 U	320.00 U	
P		AROCLOR 1242	uG/KG	0.52 U	2400.00 U	330.00 U	320.00 U	400.00 U	320.00 U	
P		AROCLOR 1248	uG/KG	0.52 U	2400.00 U	330.00 U	320.00 U	400.00 U	320.00 U	
P		AROCLOR 1254	uG/KG	1.00 U	280.00 J	100.00 J	95.00 J	800.00 U	640.00 U	
P		AROCLOR 1260	uG/KG	1.00 U	4700.00 U	660.00 U	630.00 U	800.00 U	640.00 U	
P		ATRAZINE	uG/KG	1.10	49.00 J	36.00 J	31.00 J	39.00 J	45.00 J	
V		BENZENE	uG/KG	5.00 U	19.00 U	21.00 U	21.00 U	22.00 U	19.00 U	3700
S		BENZO(A)ANTHRACENE	uG/KG	10.00 U	2200.00 U	1500.00 U	1500.00 U	1800.00 U	1500.00 U	
S		BENZO(A)PYRENE	uG/KG	10.00 U	2200.00 U	1500.00 U	1500.00 U	1800.00 U	1500.00 U	
S		BENZO(B)FLUORANTHENE	uG/KG	10.00 U	2200.00 U	1500.00 U	1500.00 U	1800.00 U	1500.00 U	
S		BENZO(G,H,I)PERYLENE	uG/KG	10.00 U	2200.00 U	1500.00 U	1500.00 U	1800.00 U	1500.00 U	
S		BENZO(K)FLUORANTHENE	uG/KG	10.00 U	2200.00 U	1500.00 U	1500.00 U	1800.00 U	1500.00 U	
S		BENZOIC ACID	uG/KG	52.00 U	11000.00 U	7600.00 U	7300.00 U	9200.00 U	7400.00 U	
S		BENZYL ALCOHOL	uG/KG	10.00 U	2200.00 U	1500.00 U	1500.00 U	1800.00 U	1500.00 U	
V		BROMODICHLOROMETHANE	uG/KG	5.00 U	19.00 U	21.00 U	21.00 U	22.00 U	19.00 U	
V		BROMOFORM	uG/KG	5.00 U	19.00 U	21.00 U	21.00 U	22.00 U	19.00 U	
V		BROMOMETHANE	uG/KG	10.00 U	38.00 U	42.00 U	42.00 U	43.00 U	38.00 U	
S	4	BROMOPHENYL-PHENYL ETHER	uG/KG	10.00 U	2200.00 U	1500.00 U	1500.00 U	1800.00 U	1500.00 U	
V	2	BUTANONE	uG/KG	10.00 U	38.00 U	42.00 U	42.00 U	43.00 U	38.00 U	
S		BUTYLBENZYLPHTHALATE	uG/KG	10.00 U	2200.00 U	1500.00 U	1500.00 U	1800.00 U	1500.00 U	
V		CARBON DISULFIDE	uG/KG	5.00 U	19.00 U	21.00 U	21.00 U	22.00 U	19.00 U	4810
V		CARBON TETRACHLORIDE	uG/KG	5.00 U	19.00 U	21.00 U	21.00 U	22.00 U	19.00 U	960
P		CHLORDANE, ALPHA	uG/KG	0.52 U	2400.00 U	330.00 U	320.00 U	400.00 U	320.00 U	
P		CHLORDANE, GAMMA	uG/KG	0.52 U	2400.00 U	330.00 U	320.00 U	400.00 U	320.00 U	
S	4	CHLORO-3-METHYLPHENOL	uG/KG	10.00 U	7900.00	1500.00 U	1500.00 U	1800.00 U	1500.00 U	
S	4	CHLOROANILINE	uG/KG	10.00 U	2200.00 U	1500.00 U	1500.00 U	1800.00 U	1500.00 U	
V		CHLOROBENZENE	uG/KG	5.00 U	19.00 U	21.00 U	21.00 U	22.00 U	19.00 U	50
V		CHLOROETHANE	uG/KG	10.00 U	38.00 U	42.00 U	42.00 U	43.00 U	38.00 U	
S	BIS 2	CHLOROETHOXYMETHANE	uG/KG	10.00 U	2200.00 U	1500.00 U	1500.00 U	1800.00 U	1500.00 U	
S	BIS 2	CHLOROETHYLETHER	uG/KG	10.00 U	2200.00 U	1500.00 U	1500.00 U	1800.00 U	1500.00 U	
V		CHLOROFORM	uG/KG	5.00 U	19.00 U	21.00 U	21.00 U	22.00 U	19.00 U	
S	BIS 2	CHLOROISOPROPYL ETHER	uG/KG	10.00 U	2200.00 U	1500.00 U	1500.00 U	1800.00 U	1500.00 U	
V		CHLOROMETHANE	uG/KG	10.00 U	38.00 U	42.00 U	42.00 U	43.00 U	38.00 U	
S	2	CHLORONAPHTHALENE	uG/KG	10.00 U	2200.00 U	1500.00 U	1500.00 U	1800.00 U	1500.00 U	
S	2	CHLOROPHENOL	uG/KG	10.00 U	7700.00	1500.00 U	1500.00 U	1800.00 U	1500.00 U	
S	4	CHLOROPHENYL-PHENYLETHER	uG/KG	10.00 U	2200.00 U	1500.00 U	1500.00 U	1800.00 U	1500.00 U	
S		CHRYSENE	uG/KG	10.00 U	2200.00 U	1500.00 U	1500.00 U	1800.00 U	1500.00 U	
V		CYCLOHEXANONE	uG/KG	9.50 U	340.00 U	410.00 U	380.00 U	340.00 U	360.00 U	750
P	44	DDD	uG/KG	0.10 U	470.00 U	66.00 U	63.00 U	80.00 U	64.00 U	
P	44	DDE	uG/KG	0.10 U	470.00 U	66.00 U	63.00 U	80.00 U	64.00 U	

207 B NORTH: ALL REPORTED DATA

TYPE		COMPOUND	UNITS	WATER B NORTH	COMPOSITE SLUDGE	NW QUADRANT SLUDGE	SW QUADRANT SLUDGE	NE QUADRANT SLUDGE	SE QUADRANT SLUDGE	CCW
P	44	DDT	uG/KG	0.10 U	470.00 U	66.00 U	63.00 U	80.00 U	64.00 U	
S		DI-N-BUTYLPHTHALATE	uG/KG	10.00 U	690.00 J	1500.00 U	170.00 J	1300.00 J	1500.00 U	
S		DI-N-OCTYL PHTHALATE	uG/KG	10.00 U	2200.00 U	1500.00 U	1500.00 J	1800.00 U	1500.00 U	
P		DIAZINON	uG/KG	0.50 U	98.00 U	69.00 U	65.00 U	72.00 U	91.00 U	
S		DIBENZO(A,H)ANTHRACENE	uG/KG	10.00 U	2200.00 U	1500.00 U	1500.00 U	1800.00 U	1500.00 U	
S		DIBENZOFURAN	uG/KG	10.00 U	2200.00 U	1500.00 U	1500.00 U	1800.00 U	1500.00 U	
V		DIBROMOCHLOROMETHANE	uG/KG	5.00 U	19.00 U	21.00 U	21.00 U	22.00 U	19.00 U	
S	13	DICHLOROBENZENE	uG/KG	10.00 U	2200.00 U	1500.00 U	1500.00 U	1800.00 U	1500.00 U	
S	14	DICHLOROBENZENE	uG/KG	10.00 U	4000.00	1500.00 U	1500.00 U	1800.00 U	1500.00 U	
S	12	DICHLOROBENZENE	uG/KG	10.00 U	2200.00 U	1500.00 U	1500.00 U	1800.00 U	1500.00 U	125
S	33	DICHLOROBENZIDINE	uG/KG	21.00 U	4400.00 U	3100.00 U	2900.00 U	3700.00 U	3000.00 U	
V	12	DICHLOROETHANE	uG/KG	5.00 U	19.00 U	21.00 U	21.00 U	22.00 U	19.00 U	
V	11	DICHLOROETHANE	uG/KG	5.00 U	19.00 U	21.00 U	21.00 U	22.00 U	19.00 U	
V	11	DICHLOROETHENE	uG/KG	5.00 U	19.00 U	21.00 U	21.00 U	22.00 U	19.00 U	
V	12	DICHLOROETHENE(TOTAL)	uG/KG	5.00 U	19.00 U	21.00 U	21.00 U	22.00 U	19.00 U	
S	24	DICHLOROPHENOL	uG/KG	10.00 U	2200.00 U	1500.00 U	1500.00 U	1800.00 U	1500.00 U	
V	12	DICHLOROPROPANE	uG/KG	5.00 U	19.00 U	21.00 U	21.00 U	22.00 U	19.00 U	
V	TRANS 13	DICHLOROPROPENE	uG/KG	5.00 U	19.00 U	21.00 U	21.00 U	22.00 U	19.00 U	
V	CIS 13	DICHLOROPROPENE	uG/KG	5.00 U	19.00 U	21.00 U	21.00 U	22.00 U	19.00 U	
P		DIELDRIN	uG/KG	0.10 U	470.00 U	66.00 U	63.00 U	80.00 U	64.00 U	
V		DIETHYL ETHER	uG/KG	7.10 U	250.00 U	310.00 U	280.00 U	260.00 U	270.00 U	750
S		DIETHYL PHTHALATE	uG/KG	10.00 U	2200.00 U	1500.00 U	1500.00 U	1800.00 U	1500.00 U	
S		DIMETHYL PHTHALATE	uG/KG	10.00 U	2200.00 U	1500.00 U	1500.00 U	1800.00 U	1500.00 U	
S	24	DIMETHYLPHENOL	uG/KG	10.00 U	2200.00 U	1500.00 U	1500.00 U	1800.00 U	1500.00 U	
S	46	DINITRO-2-METHYLPHENOL	uG/KG	52.00 U	11000.00 U	7600.00 U	7300.00 U	9200.00 U	7400.00 U	
S	24	DINITROPHENOL	uG/KG	52.00 U	11000.00 U	7600.00 U	7300.00 U	9200.00 U	7400.00 U	
S	26	DINITROTOLUENE	uG/KG	10.00 U	2200.00 U	1500.00 U	1500.00 U	1800.00 U	1500.00 U	
S	24	DINITROTOLUENE	uG/KG	10.00 U	3500.00	1500.00 U	1500.00 U	1800.00 U	1500.00 U	
P		DIOXIN (2,3,7,8 TCDD)	nG/KG	0.60 U	0.10 U	0.10 U	0.10 U	0.10 U	0.20 U	
P		ENDOSULFAN I	uG/KG	0.05 U	240.00 U	33.00 U	32.00 U	40.00 U	32.00 U	
P	44	ENDOSULFAN II	uG/KG	0.10 U	470.00 U	66.00 U	63.00 U	80.00 U	64.00 U	
P	44	ENDOSULFAN SULFATE	uG/KG	0.10 U	470.00 U	66.00 U	63.00 U	80.00 U	64.00 U	
P	44	ENDRIN	uG/KG	0.10 U	470.00 U	66.00 U	63.00 U	80.00 U	64.00 U	
P	44	ENDRIN KETONE	uG/KG	0.10 U	470.00 U	66.00 U	63.00 U	80.00 U	64.00 U	
V		ETHYL ACETATE	uG/KG	9.00 U	320.00 U	390.00 U	360.00 U	330.00 U	340.00 U	750
V		ETHYL BENZENE	uG/KG	5.00 U	19.00 U	21.00 U	21.00 U	22.00 U	19.00 U	53
S	BIS 2	ETHYLHEXYL PHTHALATE	uG/KG	10.00 U	320.00 J	290.00 J	170.00 U	1800.00 U	1500.00 U	
S		FLUORANTHENE	uG/KG	10.00 U	360.00 J	1500.00 U	160.00 U	1800.00 U	1500.00 U	
S		FLUORENE	uG/KG	10.00 U	2200.00 U	1500.00 U	1500.00 U	1800.00 U	1500.00 U	
P		HEPTACHLOR	uG/KG	0.05 U	240.00 U	33.00 U	32.00 U	40.00 U	32.00 U	
P		HEPTACHLOR EPOXIDE	uG/KG	0.05 U	240.00 U	33.00 U	32.00 U	40.00 U	32.00 U	
S		HEXACHLOROBENZENE	uG/KG	10.00 U	2200.00 U	1500.00 U	1500.00 U	1800.00 U	1500.00 U	
S		HEXACHLOROBUTADIENE	uG/KG	10.00 U	2200.00 U	1500.00 U	1500.00 U	1800.00 U	1500.00 U	
P		HEXACHLOROCYCLOHEXANE, ALPHA	uG/KG	0.05 U	240.00 U	33.00 U	32.00 U	40.00 U	32.00 U	
P		HEXACHLOROCYCLOHEXANE, BETA	uG/KG	0.05 U	240.00 U	33.00 U	32.00 U	40.00 U	32.00 U	

207 B NORTH: ALL REPORTED DATA

TYPE		COMPOUND	UNITS	WATER B NORTH	COMPOSITE SLUDGE	NW QUADRANT SLUDGE	SW QUADRANT SLUDGE	NE QUADRANT SLUDGE	SE QUADRANT SLUDGE	CCW
P		HEXACHLOROCYCLOHEXANE, DELTA	uG/KG	0.05 U	240.00 U	33.00 U	32.00 U	40.00 U	32.00 U	
P		HEXACHLOROCYCLOHEXANE, GAMMA	uG/KG	0.05 U	240.00 U	33.00 U	32.00 U	40.00 U	32.00 U	
S		HEXACHLOROCYCLOPENTADIENE	uG/KG	10.00 U	2200.00 U	1500.00 U	1500.00 U	1800.00 U	1500.00 U	
S		HEXACHLOROETHANE	uG/KG	10.00 U	2200.00 U	1500.00 U	1500.00 U	1800.00 U	1500.00 U	
V	2	HEXANONE	uG/KG	10.00 U	38.00 U	42.00 U	42.00 U	43.00 U	38.00 U	
S		INDENO(1,2,3-CD)PYRENE	uG/KG	10.00 U	2200.00 U	1500.00 U	1500.00 U	1800.00 U	1500.00 U	
V		ISO BUTYL ALCOHOL	uG/KG	8.10 U	290.00 U	350.00 U	320.00 U	290.00 U	310.00 U	5000
S		ISOPHORONE	uG/KG	10.00 U	2200.00 U	1500.00 U	1500.00 U	1800.00 U	1500.00 U	
V		METHANOL	uG/KG	7.80 U	280.00 U	340.00 U	310.00 U	280.00 U	300.00 U	750
P		METHOXYCHLOR	uG/KG	0.52 U	2400.00 U	330.00 U	320.00 U	400.00 U	320.00 U	
S	2	METHYL NAPHTHALENE	uG/KG	10.00 U	2200.00 U	1500.00 U	1500.00 U	1800.00 U	1500.00 U	
P		METHYL PARATHION	uG/KG	0.50 U	98.00 U	69.00 U	65.00 U	72.00 U	91.00 U	
V	4	METHYL-2-PENTANONE	uG/KG	10.00 U	38.00 U	42.00 U	42.00 U	43.00 U	38.00 U	
V		METHYLENE CHLORIDE	uG/KG	5.00 U	220.00 B	250.00 B	660.00 B	170.00 B	190.00 B	960
S	2	METHYLPHENOL(O-CRESOL)	uG/KG	10.00 U	2200.00 U	1500.00 U	1500.00 U	1800.00 U	1500.00 U	
S	4	METHYLPHENOL(P-CRESOL)	uG/KG	10.00 U	2200.00 U	1500.00 U	1500.00 U	1800.00 U	1500.00 U	
V		N BUTYL ALCOHOL	uG/KG	8.10 U	290.00 U	350.00 U	320.00 U	290.00 U	310.00 U	5000
S		N-NITROSO-DI-PROPYLAMINE	uG/KG	10.00 U	3900.00	1500.00 U	1500.00 U	1800.00 U	1500.00 U	
S		N-NITROSODIPHENYLAMINE	uG/KG	10.00 U	2200.00 U	1500.00 U	1500.00 U	1800.00 U	1500.00 U	
S		NAPHTHALENE	uG/KG	10.00 U	2200.00 U	1500.00 U	1500.00 U	1800.00 U	1500.00 U	
S	4	NITROANILINE	uG/KG	52.00 U	11000.00 U	7600.00 U	7300.00 U	9200.00 U	7400.00 U	
S	2	NITROANILINE	uG/KG	52.00 U	11000.00 U	7600.00 U	7300.00 U	9200.00 U	7400.00 U	
S	3	NITROBENZENE	uG/KG	10.00 U	2200.00 U	1500.00 U	1500.00 U	1800.00 U	1500.00 U	
S	2	NITROPHENOL	uG/KG	10.00 U	2200.00 U	1500.00 U	1500.00 U	1800.00 U	1500.00 U	
S	4	NITROPHENOL	uG/KG	52.00 U	7800.00 J	7600.00 U	7300.00 U	9200.00 U	7400.00 U	
S		PENTACHLOROPHENOL	uG/KG	52.00 U	8000.00 J	7600.00 U	7300.00 U	9200.00 U	7400.00 U	
S		PHENANTHRENE	uG/KG	10.00 U	310.00 J	1500.00 U	150.00 J	1800.00 U	1500.00 U	
S		PHENOL	uG/KG	10.00 U	7400.00	1500.00 U	1500.00 U	1800.00 U	1500.00 U	
S		PYRENE	uG/KG	10.00 U	4600.00	1500.00 U	160.00 J	1800.00 U	1500.00 U	
P		SIMAZINE	uG/KG	1.00 U	200.00 U	140.00 U	130.00 U	140.00 U	180.00 U	
V		STYRENE	uG/KG	5.00 U	19.00 U	21.00 U	21.00 U	22.00 U	19.00 U	
V	1122	TETRACHLOROETHANE	uG/KG	5.00 U	19.00 U	21.00 U	21.00 U	22.00 U	19.00 U	
V		TETRACHLOROETHENE	uG/KG	5.00 U	19.00 U	21.00 U	21.00 U	22.00 U	19.00 U	50
V		TOLUENE	uG/KG	5.00 U	19.00 U	21.00 U	21.00 U	22.00 U	19.00 U	330
P		TOXAPHENE	uG/KG	1.00 U	4700.00 U	660.00 U	630.00 U	800.00 U	640.00 U	
S	124	TRICHLOROBENZENE	uG/KG	10.00 U	4300.00	1500.00 U	1500.00 U	1800.00 U	1500.00 U	
V	111	TRICHLOROETHANE	uG/KG	5.00 U	19.00 U	21.00 U	21.00 U	22.00 U	19.00 U	410
V	112	TRICHLOROETHANE	uG/KG	5.00 U	19.00 U	21.00 U	21.00 U	22.00 U	19.00 U	7600
V		TRICHLOROETHENE	uG/KG	5.00 U	19.00 U	21.00 U	21.00 U	22.00 U	19.00 U	91
V		TRICHLOROFLUOROMETHANE	uG/KG	5.00 U	19.00 U	21.00 U	21.00 U	22.00 U	19.00 U	960
S	245	TRICHLOROPHENOL	uG/KG	52.00 U	11000.00 U	7600.00 U	7300.00 U	9200.00 U	7400.00 U	
S	246	TRICHLOROPHENOL	uG/KG	10.00 U	2200.00 U	1500.00 U	1500.00 U	1800.00 U	1500.00 U	
V	112	TRICHLOROTRIFLUOROETHANE	uG/KG	10.00 U	38.00 U	42.00 U	42.00 U	43.00 U	38.00 U	960
V		VINYL ACETATE	uG/KG	10.00 U	38.00 U	42.00 U	42.00 U	43.00 U	38.00 U	
V		VINYL CHLORIDE	uG/KG	10.00 U	38.00 U	42.00 U	42.00 U	43.00 U	38.00 U	

207 B NORTH: ALL REPORTED DATA

TYPE	COMPOUND	UNITS	WATER B NORTH	COMPOSITE SLUDGE	NW QUADRANT SLUDGE	SW QUADRANT SLUDGE	NE QUADRANT SLUDGE	SE QUADRANT SLUDGE	CCW
V	XYLENES (TOTAL)	uG/KG	5.00 U	19.00 U	21.00 U	21.00 U	22.00 U	19.00 U	150
M	ALUMINUM	uG/KG	200.00 U	4140000.00	2630000.00	2960000.00	4340000.00	2600000.00	
M	ANTIMONY	uG/KG	60.00 U	46200.00 U	47600.00 U	35700.00 U	40400.00 U	45800.00 U	
M	ARSENIC	uG/KG	10.00 U	7300.00 U	7200.00 U	7100.00 U	8200.00 U	5900.00 U	
M	BARIUM	uG/KG	200.00 U	154000.00 U	159000.00 U	134000.00	144000.00	152000.00 U	
M	BERYLLIUM	uG/KG	5.00 U	3800.00 U	4000.00 U	3000.00 U	3400.00 U	3800.00 U	
M	BORON	uG/KG	173.00	76900.00 U	79300.00 U	59400.00 U	67400.00 U	76300.00 U	
M	CADMIUM	uG/KG	5.00 U	11700.00	11500.00	18800.00	12100.00	15100.00	66
M	CALCIUM	uG/KG	189000.00	247000000.00	207000000.00	256000000.00	263000000.00	223000000.00	
M	CHROMIUM, TOTAL	uG/KG	10.00 U	33200.00	70600.00	24200.00	31200.00	17500.00	5200
M	COBALT	uG/KG	50.00 U	38500.00 U	39600.00 U	29700.00 U	33700.00 U	38100.00 U	
M	COPPER	uG/KG	25.00 U	19200.00 U	19800.00 U	15300.00	18900.00	19100.00 U	
M	IRON	uG/KG	100.00 U	4530000.00	2920000.00	3370000.00	4800000.00	2970000.00	
M	LEAD	uG/KG	3.00 U	11600.00	13800.00	10600.00	14400.00	9600.00	510
M	LITHIUM	uG/KG	332.00	76900.00 U	79300.00 U	59400.00 U	67400.00 U	76300.00 U	
M	MAGNESIUM	uG/KG	79300.00	4670000.00	3960000.00 U	4630000.00	5070000.00	4000000.00	
M	MANGANESE	uG/KG	15.00 U	79600.00	62200.00	68400.00	90200.00	60500.00	
M	MERCURY	uG/KG	0.20 U	390.00 U	420.00 U	430.00 U	440.00 U	380.00 U	
M	MOLYBDENUM	uG/KG	100.00 U	76900.00 U	79300.00 U	59400.00 U	67400.00 U	76300.00 U	
M	NICKEL	uG/KG	40.00 U	30800.00 U	31700.00 U	23800.00 U	27000.00 U	30500.00 U	320
M	POTASSIUM	uG/KG	58800.00	3850000.00 U	3960000.00 U	2970000.00 U	3370000.00 U	3810000.00 U	
M	SELENIUM	uG/KG	8.20	3600.00 U	3600.00 U	3500.00 U	4100.00 U	3000.00 U	
M	SILICON	uG/KG	1020.00	2670000.00	1400000.00	1820000.00	1110000.00	2270000.00	
M	SILVER	uG/KG	10.00 U	7700.00 U	7900.00 U	5900.00 U	6700.00 U	7600.00 U	72
M	SODIUM	uG/KG	403000.00	3850000.00 U	3960000.00 U	2970000.00 U	3370000.00 U	3810000.00 U	
M	STRONTIUM	uG/KG	2220.00	692000.00	582000.00	716000.00	752000.00	619000.00	
M	THALLIUM	uG/KG	10.00 U	7300.00	7200.00 U	7100.00 U	8200.00 U	5900.00 U	
M	TIN	uG/KG	100.00 U	76900.00 U	79300.00 U	59400.00 U	67400.00 U	76300.00 U	
M	VANADIUM	uG/KG	50.00 U	38500.00 U	39600.00 U	29700.00 U	33700.00 U	38100.00 U	
M	ZINC	uG/KG	47.90	101000.00	77600.00	91400.00	105000.00	81800.00	
A	AMMONIA	MG/KG	0.10 U	102.00	15.20	24.00	23.80	16.30	
A	BICARBONATE		0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	
A	CARBONATE	MG/KG	0.00 < 5	0.00	0.00	0.00	0.00	0.00	
A	CHLORIDE	MG/KG	147.00	1910.00	1490.00	927.00	1460.00	1540.00	
A	CYANIDE, TOTAL	uG/KG	37.80	3900.00 U	4200.00 U	4300.00 U	4300.00 U	3800.00 U	590000
A	FLUORIDE	MG/KG	50.00 U	1260.00 U	1250.00 U	1150.00 U	1100.00 U	1090.00 U	
A	NITRATE-N	MG/KG	39.00	600.00	780.00	640.00	380.00	860.00	
A	NITRITE	MG/KG	1.30 U	10.00	2.80	14.00	28.00	0.46	
A	PHOSPHATE, ORTHO	MG/KG	0.00 <.02	4.10	2.80	3.40	8.90	2.40	
A	PHOSPHATE, TOTAL	MG/KG	0.04	0.00 < 25	28.00	0.00 <25	0.00 <25	0.00 <25	
A	SULFATE	MG/KG	155.00	630.00 U	625.00 U	575.00 U	550.00 U	546.00 U	
A	SULFIDE	MG/L	0.00 < 1.	56.00	24.00	8.00	32.00	16.00	
A	TKN-N	MG/KG	0.50 U	1430.00	1140.00	5110.00	1210.00	1240.00	
T	ALKALINITY, TOTAL	MG/KG	75.00	290.00	180.00	300.00	440.00	240.00	
T	ASTM D 422, PARTICLE SIZE	GRAPH	0.00	0.00	0.00	0.00	0.00	0.00	
T	CONDUCTIVITY @ 25C	uMHOS	3380.00	589.00	627.00	455.00	445.00	459.00	
T	TOTAL DISSOLVED SOLIDS	MG/L	3200.00	0.00	0.00	0.00	0.00	0.00	

207 B NORTH: ALL REPORTED DATA

TYPE	COMPOUND	UNITS	WATER B NORTH	COMPOSITE SLUDGE	NW QUADRANT SLUDGE	SW QUADRANT SLUDGE	NE QUADRANT SLUDGE	SE QUADRANT SLUDGE	CCW
T	TOTAL ORGANIC CARBON	MG/L	7.60	11000.00	9600.00	10000.00	14000.00	11000.00	
T	TOTAL SUSPENDED SOLIDS	%	18.00	25.70	0.00	0.00	0.00	0.00	
T	pH	pH	8.50	7.30	7.40	7.50	7.30	7.20	
R	AMERICIUM 241	pCI/L	0.14 +-.11	0.00 < 1.0	0.00 < 3.0	0.00 <0.6	0.00 <0.7	0.00 < 8.0	
R	GROSS ALPHA	pCI/L	59.00 +-21	33.00 +-9	38.00 +-9	28.00 +-8	28.00 +-8	32.00 +-8	
R	GROSS BETA	pCI/L	110.00 +-20	46.00 +-3	42.00 +-3	38.00 +-3	41.00 +-3	43.00 +-3	
R	PLUTONIUM 239	pCI/L	0.00 <0.1	2.20 +-1.1	11.00 +-2	2.00 +-.2	6.20 +-5.4	4.20 +-2	
R	URANIUM 234	pCI/L	40.00 +-2.	13.00 +-1	14.00 +-1	19.00 +-1	13.00 +-1	14.00 +-1	
R	URANIUM 235	pCI/L	1.70 +-.5	0.41 +-.13	0.31 +-.08	0.55 +-.19	0.35 +-.13	0.30 +-.12	
R	URANIUM 238	pCI/L	26.00 +-2.	8.40 +-0.6	9.30 +-0.4	12.00 +-1	8.90 +-.6	9.60 +-.7	

U-UNDETECTED, J-DETECTED BELOW QC LIMIT, B-FOUND IN BLANK, E-LABORATORY ERROR

A-ANION; M-METAL; P-PESTICIDE, PCB, OR DIOXIN; R-RADIONUCLIDE
S-SEMIVOLATILE ORGANIC COMPOUND; V-VOLATILE ORGANIC COMPOUND; T-MISCELLANEOUS TESTS

WHERE THE CONCENTRATION IS REPORTED AS LESS THAN A GIVEN VALUE, IT APPEARS IN THIS REPORT AS 0.00 < _.__ , AS FOR SULFIDE, PHOSPHATE, AND SOME RADIONUCLIDES
N-NITROSODIPHENYLAMINE COULD NOT BE SEPARATED FROM DIPHENYLAMINE

207 B CENTER: DETECTED COMPOUNDS

TYPE	COMPOUND	UNITS	WATER B CENTER	COMPOSITE SLUDGE	NW QUADRANT SLUDGE	SW QUADRANT SLUDGE	NE QUADRANT SLUDGE	SE QUADRANT SLUDGE	CCW
V	ACETONE	uG/KG	10.00 U	490.00 B	1500.00 B	720.00 B	860.00 B	900.00 B	590
P	ATRAZINE	uG/KG	9.00	150.00 J	150.00 J	190.00 J	520.00 U	110.00 J	
S	BENZOIC ACID	uG/KG	4.00 J	52000.00 U	42000.00 U	40000.00 U	52000.00 U	23000.00 U	
S	DI-N-BUTYLPHTHALATE	uG/KG	11.00 U	10000.00 U	1000.00 J	8000.00 U	10000.00 U	470.00 J	
S	BIS 2 ETHYLHEXYL PHTHALATE	uG/KG	11.00 U	1400.00 J	2000.00 J	1100.00 J	10000.00 U	890.00 J	
S	FLUORANTHENE	uG/KG	11.00 U	10000.00 U	1200.00 J	8000.00 U	10000.00 U	4600.00 U	
V	METHYLENE CHLORIDE	uG/KG	7.00 JB	260.00 B	450.00 B	370.00 B	610.00 B	560.00 B	960
S	2 NITROPHENOL	uG/KG	2.00 J	10000.00 U	8400.00 U	8000.00 U	10000.00 U	4600.00 U	
	PHENANTHRENE								
M	ALUMINUM	uG/KG	200.00 U	2350000.00	2080000.00	3070000.00	1350000.00	1680000.00	
M	ARSENIC	uG/KG	13.80	17500.00 U	20800.00 U	17200.00 U	19300.00 U	22200.00 U	
M	BERYLLIUM	uG/KG	5.00 U	9400.00 U	9800.00 U	12300.00 U	9500.00 U	10900.00	
M	BORON	uG/KG	2770.00	188000.00 U	197000.00 U	246000.00 U	189000.00 U	177000.00 U	
M	CADMIUM	uG/KG	5.00 U	108000.00	71600.00	93500.00	59300.00	110000.00	66
M	CALCIUM	uG/KG	22600.00	108000000.00	74300000.00	153000000.00	92000000.00	148000000.00	
M	CHROMIUM, TOTAL	uG/KG	93.80	127000.00	56800.00	390000.00	50600.00	82300.00	5200
M	COPPER	uG/KG	34.80	96300.00	71200.00	103000.00	64600.00	83700.00	
M	IRON	uG/KG	100.00 U	2650000.00	2370000.00	3470000.00	1680000.00	2140000.00	
M	LEAD	uG/KG	3.00 U	12900.00	12300.00	14400.00	10200.00	12400.00	510
M	LITHIUM	uG/KG	2600.00	188000.00 U	197000.00 U	246000.00 U	189000.00 U	177000.00 U	
M	MAGNESIUM	uG/KG	181000.00	13700000.00	10300000.00	13600000.00	12200000.00	11300000.00	
M	MANGANESE	uG/KG	15.00 U	208000.00	124000.00	163000.00	104000.00	80700.00	
M	MERCURY	uG/KG	0.20 U	1500.00	3600.00	5300.00	1400.00	3500.00	
M	POTASSIUM	uG/KG	729000.00	9390000.00 U	9830000.00 U	12300000.00 U	9890000.00	9420000.00	
M	SILICON	uG/KG	1410.00	2690000.00	2550000.00	3000000.00	3090000.00	2940000.00	
M	SODIUM	uG/KG	2440000.00	31300000.00	28800000.00	35500000.00	33000000.00	32600000.00	
M	STRONTIUM	uG/KG	2130.00	848000.00	575000.00	946000.00	739000.00	880000.00	
M	TIN	uG/KG	109.00	188000.00 U	197000.00 U	246000.00 U	189000.00 U	177000.00 U	
M	ZINC	uG/KG	20.00 U	186000.00	197000.00	277000.00	144000.00	110000.00	
A	AMMONIA	MG/KG	0.50	135.00	181.00	199.00	154.00	182.00	
A	CARBONATE	MG/KG	280.00	0.00	0.00	0.00	0.00	0.00	
A	CHLORIDE	MG/KG	763.00	11200.00	18200.00	11400.00	16600.00	9900.00	
A	CYANIDE, TOTAL	uG/KG	555.00	10000.00 U	15100.00	12700.00 U	12000.00 U	11800.00 U	590000
A	FLUORIDE	MG/KG	73.00	4380.00 U	6190.00 U	4200.00 U	6250.00 U	4130.00 U	
A	NITRATE-N	MG/KG	1600.00	13000.00	13000.00	8400.00	13000.00	9400.00	
A	NITRITE	MG/KG	75.00	470.00	520.00	310.00	530.00	270.00	
A	PHOSPHATE, ORTHO	MG/KG	0.00 o3	14.00	17.00	20.00	19.00	21.00	
A	PHOSPHATE, TOTAL	MG/KG	3.10	2100.00	2400.00	2800.00	1800.00	1400.00	
A	SULFATE	MG/KG	736.00	6950.00	13800.00	6460.00	10700.00	7120.00	
A	SULFIDE	MG/L	0.00 < 1.	0.00 < 8.	0.00 < 8.	0.00 < 8.	0.00 < 8.	0.00 < 8.	
A	TKN-N	MG/KG	0.10 U	16700.00	17600.00	21300.00	18200.00	22700.00	
T	ALKALINITY, TOTAL	MG/KG	1000.00	2700.00	2700.00	2700.00	3200.00	3500.00	
T	ASTM D 422, PARTICLE SIZE	GRAPH	0.00	0.00	0.00	0.00	0.00	0.00	
T	CONDUCTIVITY @ 25C	uMHOS	1350.00	3700.00	3940.00	4350.00	2900.00	3190.00	

207 B CENTER: DETECTED COMPOUNDS

TYPE	COMPOUND	UNITS	WATER B CENTER	COMPOSITE SLUDGE	NW QUADRANT SLUDGE	SW QUADRANT SLUDGE	NE QUADRANT SLUDGE	SE QUADRANT SLUDGE	CCW
T	TOTAL DISSOLVED SOLIDS	MG/L	13000.00	0.00	0.00	0.00	0.00	0.00	
T	TOTAL ORGANIC CARBON	MG/L	126.00	22000.00	17000.00	16000.00	21000.00	30000.00	
T	TOTAL SUSPENDED SOLIDS	%	15.00	10.00	0.00	0.00	0.00	0.00	
T	pH	pH	9.10	9.20	9.30	9.20	9.30	9.30	
R	AMERICIUM 241	pCI/L	5.50 +-4.5	0.00 <1.0	5.10 +-1.6	1.20 +-.5	0.00 <3.0	0.00 <10.	
R	GROSS ALPHA	pCI/L	2400.00 +-300	120.00 +-30	120.00 +-30.	130.00 +-30	120.00 +-30	120.00 +-30	
R	GROSS BETA	pCI/L	3900.00 +-200	380.00 +-50	270.00 +-40.	370.00 +-40	320.00 +-40	340.00 +-40	
R	PLUTONIUM 239	pCI/L	0.36 +-.18	5.10 +-1.6	2.30 +-0.6	0.18 +-.09	3.40 +-1.6	7.20 +-2.1	
R	URANIUM 234	pCI/L	780.00 +-30	70.00 +-2	71.00 +-3.	69.00 +-1.0	85.00 +-2	86.00 +-2	
R	URANIUM 235	pCI/L	36.00 +-7	2.50 +-.4	2.10 +-0.5	2.00 +-0.2	3.00 +-.4	2.40 +-.3	
R	URANIUM 238	pCI/L	900.00 +-40	75.00 +-2.0	78.00 +-3.	76.00 +-1.0	94.00 +-2	88.00 +-2	

U-UNDETECTED, J-DETECTED BELOW QC LIMIT, B-FOUND IN BLANK, E-LABORATORY ERROR

A-ANION; M-METAL; P-PESTICIDE, PCB, OR DIOXIN; R-RADIONUCLIDE
S-SEMIVOLATILE ORGANIC COMPOUND; V-VOLATILE ORGANIC COMPOUND; T-MISCELLANEOUS TESTS

WHERE THE CONCENTRATION IS REPORTED AS LESS THAN A GIVEN VALUE, IT APPEARS IN THIS REPORT AS 0.00 < _.__ , AS FOR SULFIDE, PHOSPHATE, AND SOME RADIONUCLIDES
N-NITROSODIPHENYLAMINE COULD NOT BE SEPARATED FROM DIPHENYLAMINE

207 B CENTER: CCW COMPARISON

THE CONSTITUENT CONCENTRATION IN THE WASTE (CCW) LEVEL IS EXCEEDED
BY THE DETECTION LIMIT OR THE CONCENTRATION IN THE FOLLOWING COMPOUNDS

COMPOUND	CCW	LIQUID	SLUDGE COMPOSITE	SLUDGE NW QUADRANT	SLUDGE SW QUADRANT	SLUDGE NE QUADRANT	SLUDGE SE QUADRANT
ACETONE	590	10.00 U	490.00 B	1500.00 B	720.00 B	860.00 B	900.00 B
CHLOROBENZENE	50	5.00 U	50.00 U	59.00 U	64.00 U	59.00 U	59.00 U
CYCLOHEXANONE	750	9.50 U	1700.00 U	2400.00 U	1500.00 U	2200.00 U	1400.00 U
DICHLOROBENZENE	125	11.00 U	10000.00 U	8400.00 U	8000.00 U	10000.00 U	4600.00 U
DIETHYL ETHER	750	7.10 U	1300.00 U	1800.00 U	1100.00 U	1600.00 U	1000.00 U
ETHYL ACETATE	750	9.00 U	1600.00 U	2200.00 U	1500.00 U	2100.00 U	1300.00 U
ETHYL BENZENE	53	5.00 U	50.00 U	59.00 U	64.00 U	59.00 U	59.00 U
METHANOL	750	7.80 U	1400.00 U	2000.00 U	1300.00 U	1800.00 U	1100.00 U
TETRACHLOROETHENE	50	5.00 U	56.00	22.00 J	29.00 J	120.00	22.00 J
CADMIUM	66	5.00 U	108000.00	71600.00	93500.00	59300.00	110000.00
CHROMIUM, TOTAL	5200	93.80	127000.00	56800.00	390000.00	50600.00	82300.00
LEAD	510	3.00 U	12900.00	12300.00	14400.00	10200.00	12400.00
NICKEL	320	40.00 U	75100.00 U	78700.00 U	98400.00 U	75700.00 U	70600.00 U
SILVER	72	10.00 U	18800.00 U	19700.00 U	24600.00 U	18900.00 U	17700.00 U

IF NO COMPOUNDS ARE LISTED, NONE ARE ABOVE THE CCW
U-UNDETECTED, J-DETECTED BELOW QC LIMIT, B-FOUND IN BLANK

207 B CENTER: ALL REPORTED DATA

TYPE		COMPOUND	UNITS	WATER B CENTER	COMPOSITE SLUDGE	NW QUADRANT SLUDGE	SW QUADRANT SLUDGE	NE QUADRANT SLUDGE	SE QUADRANT SLUDGE	CCW
S		ACENAPHTHENE	uG/KG	11.00 U	10000.00 U	8400.00 U	8000.00 U	10000.00 U	4600.00 U	
S		ACENAPHTHYLENE	uG/KG	11.00 U	10000.00 U	8400.00 U	8000.00 U	10000.00 U	4600.00 U	
V		ACETONE	uG/KG	10.00 U	490.00 B	1500.00 B	720.00 B	860.00 B	900.00 B	590
V		ACRYLONITRILE	uG/KG	10.00 U	100.00 U	120.00 U	130.00 U	120.00 U	120.00 U	
P		ALDRIN	uG/KG	0.11 U	120.00 U	100.00 U	97.00 U	110.00 U	54.00 U	
S		ANTHRACENE	uG/KG	11.00 U	10000.00 U	8400.00 U	8000.00 U	10000.00 U	4600.00 U	
P		AROCLOR 1016	uG/KG	1.10 U	1200.00 U	1000.00 U	970.00 U	1100.00 U	540.00 U	
P		AROCLOR 1221	uG/KG	1.10 U	1200.00 U	1000.00 U	970.00 U	1100.00 U	540.00 U	
P		AROCLOR 1232	uG/KG	1.10 U	1200.00 U	1000.00 U	970.00 U	1100.00 U	540.00 U	
P		AROCLOR 1242	uG/KG	1.10 U	1200.00 U	1000.00 U	970.00 U	1100.00 U	540.00 U	
P		AROCLOR 1248	uG/KG	1.10 U	1200.00 U	1000.00 U	970.00 U	1100.00 U	540.00 U	
P		AROCLOR 1254	uG/KG	2.10 U	2400.00 U	2100.00 U	1900.00 U	2200.00 U	1100.00 U	
P		AROCLOR 1260	uG/KG	2.10 U	2400.00 U	2100.00 U	1900.00 U	2200.00 U	1100.00 U	
P		ATRAZINE	uG/KG	9.00	150.00 J	150.00 J	190.00 J	520.00 U	110.00 J	
V		BENZENE	uG/KG	5.00 U	50.00 U	59.00 U	64.00 U	59.00 U	59.00 U	3700
S		BENZO(A)ANTHRACENE	uG/KG	11.00 U	10000.00 U	8400.00 U	8000.00 U	10000.00 U	4600.00 U	
S		BENZO(A)PYRENE	uG/KG	11.00 U	10000.00 U	8400.00 U	8000.00 U	10000.00 U	4600.00 U	
S		BENZO(B)FLUORANTHENE	uG/KG	11.00 U	10000.00 U	8400.00 U	8000.00 U	10000.00 U	4600.00 U	
S		BENZO(G,H,I)PERYLENE	uG/KG	11.00 U	10000.00 U	8400.00 U	8000.00 U	10000.00 U	4600.00 U	
S		BENZO(K)FLUORANTHENE	uG/KG	11.00 U	10000.00 U	8400.00 U	8000.00 U	10000.00 U	4600.00 U	
S		BENZOIC ACID	uG/KG	4.00 J	52000.00 U	42000.00 U	40000.00 U	52000.00 U	23000.00 U	
S		BENZYL ALCOHOL	uG/KG	11.00 U	10000.00 U	8400.00 U	8000.00 U	10000.00 U	4600.00 U	
V		BROMODICHLOROMETHANE	uG/KG	5.00 U	50.00 U	59.00 U	64.00 U	59.00 U	59.00 U	
V		BROMOFORM	uG/KG	5.00 U	50.00 U	59.00 U	64.00 U	59.00 U	59.00 U	
V		BROMOMETHANE	uG/KG	10.00 U	100.00 U	120.00 U	130.00 U	120.00 U	120.00 U	
S	4	BROMOPHENYL-PHENYL ETHER	uG/KG	11.00 U	10000.00 U	8400.00 U	8000.00 U	10000.00 U	4600.00 U	
V	2	BUTANONE	uG/KG	10.00 U	100.00 U	120.00 U	130.00 U	120.00 U	120.00 U	
S		BUTYLBENZYLPHTHALATE	uG/KG	11.00 U	10000.00 U	8400.00 U	8000.00 U	10000.00 U	4600.00 U	
V		CARBON DISULFIDE	uG/KG	5.00 U	50.00 U	59.00 U	64.00 U	59.00 U	59.00 U	4810
V		CARBON TETRACHLORIDE	uG/KG	5.00 U	50.00 U	59.00 U	64.00 U	59.00 U	59.00 U	960
P		CHLORDANE, ALPHA	uG/KG	1.10 U	1200.00 U	1000.00 U	970.00 U	1100.00 U	540.00 U	
P		CHLORDANE, GAMMA	uG/KG	1.10 U	1200.00 U	1000.00 U	970.00 U	1100.00 U	540.00 U	
S	4	CHLORO-3-METHYLPHENOL	uG/KG	11.00 U	10000.00 U	8400.00 U	8000.00 U	10000.00 U	4600.00 U	
S	4	CHLOROANILINE	uG/KG	11.00 U	10000.00 U	8400.00 U	8000.00 U	10000.00 U	4600.00 U	
V		CHLOROBENZENE	uG/KG	5.00 U	50.00 U	59.00 U	64.00 U	59.00 U	59.00 U	50
V		CHLOROETHANE	uG/KG	10.00 U	100.00 U	120.00 U	130.00 U	120.00 U	120.00 U	
S	BIS 2	CHLOROETHOXYMETHANE	uG/KG	11.00 U	10000.00 U	8400.00 U	8000.00 U	10000.00 U	4600.00 U	
S	BIS 2	CHLOROETHYLETHER	uG/KG	11.00 U	10000.00 U	8400.00 U	8000.00 U	10000.00 U	4600.00 U	
V		CHLOROFORM	uG/KG	5.00 U	50.00 U	59.00 U	64.00 U	59.00 U	59.00 U	
S	BIS 2	CHLOROISOPROPYL ETHER	uG/KG	11.00 U	10000.00 U	8400.00 U	8000.00 U	10000.00 U	4600.00 U	
V		CHLOROMETHANE	uG/KG	10.00 U	100.00 U	120.00 U	130.00 U	120.00 U	120.00 U	
S	2	CHLORONAPHTHALENE	uG/KG	11.00 U	10000.00 U	8400.00 U	8000.00 U	10000.00 U	4600.00 U	
S	2	CHLOROPHENOL	uG/KG	11.00 U	10000.00 U	8400.00 U	8000.00 U	10000.00 U	4600.00 U	
S	4	CHLOROPHENYL-PHENYLETHER	uG/KG	11.00 U	10000.00 U	8400.00 U	8000.00 U	10000.00 U	4600.00 U	
S		CHRYSENE	uG/KG	11.00 U	10000.00 U	8400.00 U	8000.00 U	10000.00 U	4600.00 U	
V		CYCLOHEXANONE	uG/KG	9.50 U	1700.00 U	2400.00 U	1500.00 U	2200.00 U	1400.00 U	750
P	44	DDD	uG/KG	0.21 U	240.00 U	210.00 U	190.00 U	220.00 U	110.00 U	
P	44	DDE	uG/KG	0.21 U	240.00 U	210.00 U	190.00 U	220.00 U	110.00 U	

207 B CENTER: ALL REPORTED DATA

T Z P E		COMPOUND	UNITS	WATER B CENTER	COMPOSITE SLUDGE	NW QUADRANT SLUDGE	SW QUADRANT SLUDGE	NE QUADRANT SLUDGE	SE QUADRANT SLUDGE	CCW
P	44	DDT	uG/KG	0.21 U	240.00 U	210.00 U	190.00 U	220.00 U	110.00 U	
S		DI-N-BUTYLPHTHALATE	uG/KG	11.00 U	10000.00 U	1000.00 J	8000.00 U	10000.00 U	470.00 J	
S		DI-N-OCTYL PHTHALATE	uG/KG	11.00 U	10000.00 U	8400.00 U	8000.00 U	10000.00 U	4600.00 U	
P		DIAZINON	uG/KG	0.52 U	460.00 U	420.00 U	410.00 U	520.00 U	240.00 U	
S		DIBENZO(A,H)ANTHRACENE	uG/KG	11.00 U	10000.00 U	8400.00 U	8000.00 U	10000.00 U	4600.00 U	
S		DIBENZOFURAN	uG/KG	11.00 U	10000.00 U	8400.00 U	8000.00 U	10000.00 U	4600.00 U	
V		DIBROMOCHLOROMETHANE	uG/KG	5.00 U	50.00 U	59.00 U	64.00 U	59.00 U	59.00 U	
S	13	DICHLOROBENZENE	uG/KG	11.00 U	10000.00 U	1700.00 U	8000.00 U	10000.00 U	4600.00 U	
S	14	DICHLOROBENZENE	uG/KG	11.00 U	10000.00 U	8400.00 U	8000.00 U	10000.00 U	4600.00 U	
S	12	DICHLOROBENZENE	uG/KG	11.00 U	10000.00 U	8400.00 U	8000.00 U	10000.00 U	4600.00 U	125
S	33	DICHLOROBENZIDINE	uG/KG	21.00 U	21000.00 U	17000.00 U	16000.00 U	21000.00 U	9300.00 U	
V	12	DICHLOROETHANE	uG/KG	5.00 U	50.00 U	59.00 U	64.00 U	59.00 U	59.00 U	
V	11	DICHLOROETHANE	uG/KG	5.00 U	50.00 U	59.00 U	64.00 U	59.00 U	59.00 U	
V	11	DICHLOROETHENE	uG/KG	5.00 U	50.00 U	59.00 U	64.00 U	59.00 U	59.00 U	
V	12	DICHLOROETHENE(TOTAL)	uG/KG	5.00 U	50.00 U	59.00 U	64.00 U	59.00 U	59.00 U	
S	24	DICHLOROPHENOL	uG/KG	11.00 U	10000.00 U	8400.00 U	8000.00 U	10000.00 U	4600.00 U	
V	12	DICHLOROPROPANE	uG/KG	5.00 U	50.00 U	59.00 U	64.00 U	59.00 U	59.00 U	
V	TRANS 13	DICHLOROPROPENE	uG/KG	5.00 U	50.00 U	59.00 U	64.00 U	59.00 U	59.00 U	
V	CIS 13	DICHLOROPROPENE	uG/KG	5.00 U	50.00 U	59.00 U	64.00 U	59.00 U	59.00 U	
P		DIELDRIN	uG/KG	0.21 U	240.00 U	210.00 U	190.00 U	220.00 U	110.00 U	
V		DIETHYL ETHER	uG/KG	7.10 U	1300.00 U	1800.00 U	1100.00 U	1600.00 U	1000.00 U	750
S		DIETHYL PHTHALATE	uG/KG	11.00 U	10000.00 U	8400.00 U	8000.00 U	10000.00 U	4600.00 U	
S		DIMETHYL PHTHALATE	uG/KG	11.00 U	10000.00 U	8400.00 U	8000.00 U	10000.00 U	4600.00 U	
S	24	DIMETHYLPHENOL	uG/KG	11.00 U	10000.00 U	8400.00 U	8000.00 U	10000.00 U	4600.00 U	
S	46	DINITRO-2-METHYLPHENOL	uG/KG	53.00 U	52000.00 U	42000.00 U	40000.00 U	52000.00 U	23000.00 U	
S	24	DINITROPHENOL	uG/KG	53.00 U	52000.00 U	42000.00 U	40000.00 U	52000.00 U	23000.00 U	
S	26	DINITROTOLUENE	uG/KG	11.00 U	10000.00 U	8400.00 U	8000.00 U	10000.00 U	4600.00 U	
S	24	DINITROTOLUENE	uG/KG	11.00 U	10000.00 U	8400.00 U	8000.00 U	10000.00 U	4600.00 U	
P		DIOXIN (2,3,7,8 TCDD)	nG/KG	0.70 U	0.20 U	0.10 U	0.10 U	0.20 U	0.10 U	
P		ENDOSULFAN I	uG/KG	0.11 U	120.00 U	100.00 U	97.00 U	110.00 U	54.00 U	
P	44	ENDOSULFAN II	uG/KG	0.21 U	240.00 U	210.00 U	190.00 U	220.00 U	110.00 U	
P	44	ENDOSULFAN SULFATE	uG/KG	0.21 U	240.00 U	210.00 U	190.00 U	220.00 U	110.00 U	
P	44	ENDRIN	uG/KG	0.21 U	240.00 U	210.00 U	190.00 U	220.00 U	110.00 U	
P	44	ENDRIN KETONE	uG/KG	0.21 U	240.00 U	210.00 U	190.00 U	220.00 U	110.00 U	
V		ETHYL ACETATE	uG/KG	9.00 U	1600.00 U	2200.00 U	1500.00 U	2100.00 U	1300.00 U	750
V		ETHYL BENZENE	uG/KG	5.00 U	50.00 U	59.00 U	64.00 U	59.00 U	59.00 U	53
S	BIS 2	ETHYLHEXYL PHTHALATE	uG/KG	11.00 U	1400.00 J	2000.00 J	1100.00 J	10000.00 U	890.00 J	
S		FLUORANTHENE	uG/KG	11.00 U	10000.00 U	1200.00 J	8000.00 U	10000.00 U	4600.00 U	
S		FLUORENE	uG/KG	11.00 U	10000.00 U	8400.00 U	8000.00 U	10000.00 U	4600.00 U	
P		HEPTACHLOR	uG/KG	0.11 U	120.00 U	100.00 U	97.00 U	110.00 U	54.00 U	
P		HEPTACHLOR EPOXIDE	uG/KG	0.11 U	120.00 U	100.00 U	97.00 U	110.00 U	54.00 U	
S		HEXACHLOROBENZENE	uG/KG	11.00 U	10000.00 U	8400.00 U	8000.00 U	10000.00 U	4600.00 U	
S		HEXACHLOROBUTADIENE	uG/KG	11.00 U	10000.00 U	8400.00 U	8000.00 U	10000.00 U	4600.00 U	
P		HEXACHLOROCYCLOHEXANE, ALPHA	uG/KG	0.11 U	120.00 U	100.00 U	97.00 U	110.00 U	54.00 U	
P		HEXACHLOROCYCLOHEXANE,	uG/KG	0.11 U	120.00 U	100.00 U	97.00 U	110.00 U	54.00 U	

207 B CENTER: ALL REPORTED DATA

TYPE		COMPOUND	UNITS	WATER B CENTER	COMPOSITE SLUDGE	NW QUADRANT SLUDGE	SW QUADRANT SLUDGE	NE QUADRANT SLUDGE	SE QUADRANT SLUDGE	CCW
P		HEXACHLOROCYCLOHEXANE, DELTA	uG/KG	0.11 U	120.00 U	100.00 U	97.00 U	110.00 U	54.00 U	
P		HEXACHLOROCYCLOHEXANE, GAMMA	uG/KG	0.11 U	120.00 U	100.00 U	97.00 U	110.00 U	54.00 U	
S		HEXACHLOROCYCLOPENTADIENE	uG/KG	11.00 U	10000.00 U	8400.00 U	8000.00 U	10000.00 U	4600.00 U	
S		HEXACHLOROETHANE	uG/KG	11.00 U	10000.00 U	8400.00 U	8000.00 U	10000.00 U	4600.00 U	
V	2	HEXANONE	uG/KG	10.00 U	100.00 U	120.00 U	130.00 U	120.00 U	59.00 U	
S		INDENO(1,2,3-CD)PYRENE	uG/KG	11.00 U	10000.00 U	8400.00 U	8000.00 U	10000.00 U	4600.00 U	
V		ISO BUTYL ALCOHOL	uG/KG	8.10 U	1400.00 U	2000.00 U	1300.00 U	1800.00 U	1200.00 U	5000
S		ISOPHORONE	uG/KG	11.00 U	10000.00 U	8400.00 U	8000.00 U	10000.00 U	4600.00 U	
V		METHANOL	uG/KG	7.80 U	1400.00 U	2000.00 U	1300.00 U	1800.00 U	1100.00 U	750
P		METHOXYCHLOR	uG/KG	1.10 U	1200.00 U	1000.00 U	970.00 U	1100.00 U	540.00 U	
S	2	METHYL NAPHTHALENE	uG/KG	11.00 U	10000.00 U	8400.00 U	8000.00 U	10000.00 U	4600.00 U	
P		METHYL PARATHION	uG/KG	0.52 U	460.00 U	420.00 U	410.00 U	520.00 U	240.00 U	
V	4	METHYL-2-PENTANONE	uG/KG	10.00 U	100.00 U	120.00 U	130.00 U	120.00 U	120.00 U	
V		METHYLENE CHLORIDE	uG/KG	7.00 JB	260.00 B	450.00 B	370.00 B	610.00 B	560.00 B	960
S	2	METHYLPHENOL(O-CRESOL)	uG/KG	11.00 U	10000.00 U	8400.00 U	8000.00 U	10000.00 U	4600.00 U	
S	4	METHYLPHENOL(P-CRESOL)	uG/KG	11.00 U	10000.00 U	8400.00 U	8000.00 U	10000.00 U	4600.00 U	
V		N BUTYL ALCOHOL	uG/KG	8.10 U	1400.00 U	2000.00 U	1300.00 U	1800.00 U	1200.00 U	5000
S		N-NITROSO-DI-PROPYLAMINE	uG/KG	11.00 U	10000.00 U	8400.00 U	8000.00 U	10000.00 U	4600.00 U	
S		N-NITROSODIPHENYLAMINE	uG/KG	11.00 U	10000.00 U	8400.00 U	8000.00 U	10000.00 U	4600.00 U	
S		NAPHTHALENE	uG/KG	11.00 U	10000.00 U	8400.00 U	8000.00 U	10000.00 U	4600.00 U	
S	4	NITROANILINE	uG/KG	53.00 U	52000.00 U	42000.00 U	40000.00 U	52000.00 U	23000.00 U	
S	2	NITROANILINE	uG/KG	53.00 U	52000.00 U	42000.00 U	40000.00 U	52000.00 U	23000.00 U	
S	3	NITROBENZENE	uG/KG	11.00 U	10000.00 U	8400.00 U	8000.00 U	10000.00 U	4600.00 U	
S	2	NITROPHENOL	uG/KG	2.00 J	10000.00 U	8400.00 U	8000.00 U	10000.00 U	4600.00 U	
S	4	NITROPHENOL	uG/KG	53.00 U	52000.00 U	42000.00 U	40000.00 U	52000.00 U	23000.00 U	
S		PENTACHLOROPHENOL	uG/KG	53.00 U	52000.00 U	42000.00 U	40000.00 U	52000.00 U	23000.00 U	
S		PHENANTHRENE	uG/KG	11.00 U	10000.00 U	1400.00 J	8000.00 U	10000.00 U	4600.00 U	
S		PHENOL	uG/KG	11.00 U	10000.00 U	8400.00 U	8000.00 U	10000.00 U	4600.00 U	
S		PYRENE	uG/KG	11.00 U	10000.00 U	1300.00 J	8000.00 U	10000.00 U	4600.00 U	
P		SIMAZINE	uG/KG	1.00 U	910.00 U	840.00 U	810.00 U	1000.00 U	480.00 U	
V		STYRENE	uG/KG	5.00 U	50.00 U	59.00 U	64.00 U	59.00 U	59.00 U	
V	1122	TETRACHLOROETHANE	uG/KG	5.00 U	50.00 U	59.00 U	64.00 U	59.00 U	59.00 U	
V		TETRACHLOROETHENE	uG/KG	5.00 U	56.00	22.00 J	29.00 J	120.00	22.00 J	50
V		TOLUENE	uG/KG	5.00 U	50.00 U	59.00 U	64.00 U	59.00 U	59.00 U	330
P		TOXAPHENE	uG/KG	2.10 U	2400.00 U	2100.00 U	1900.00 U	2200.00 U	1100.00 U	
S	124	TRICHLOROBENZENE	uG/KG	11.00 U	10000.00 U	8400.00 U	8000.00 U	10000.00 U	4600.00 U	
V	111	TRICHLOROETHANE	uG/KG	5.00 U	50.00 U	59.00 U	64.00 U	59.00 U	59.00 U	410
V	112	TRICHLOROETHANE	uG/KG	5.00 U	50.00 U	59.00 U	64.00 U	59.00 U	59.00 U	7600
V		TRICHLOROETHENE	uG/KG	5.00 U	50.00 U	59.00 U	64.00 U	59.00 U	59.00 U	91
V		TRICHLOROFLUOROMETHANE	uG/KG	5.00 U	50.00 U	59.00 U	64.00 U	59.00 U	59.00 U	960
S	245	TRICHLOROPHENOL	uG/KG	53.00 U	52000.00 U	42000.00 U	40000.00 U	52000.00 U	23000.00 U	
S	246	TRICHLOROPHENOL	uG/KG	11.00 U	10000.00 U	8400.00 U	8000.00 U	10000.00 U	4600.00 U	
V	112	TRICHLOROTRIFLUOROETHANE	uG/KG	10.00 U	100.00 U	120.00 U	130.00 U	120.00 U	120.00 U	960
V		VINYL ACETATE	uG/KG	10.00 U	100.00 U	120.00 U	130.00 U	120.00 U	120.00 U	
V		VINYL CHLORIDE	uG/KG	10.00 U	100.00 U	120.00 U	130.00 U	120.00 U	120.00 U	

207 B CENTER: ALL REPORTED DATA

TYPE	COMPOUND	UNITS	WATER B CENTER	COMPOSITE SLUDGE	NW QUADRANT SLUDGE	SW QUADRANT SLUDGE	NE QUADRANT SLUDGE	SE QUADRANT SLUDGE	CCW
V	XYLENES (TOTAL)	uG/KG	5.00 U	50.00 U	59.00 U	64.00 U	59.00 U	59.00 U	150
M	ALUMINUM	uG/KG	200.00 U	2350000.00	2080000.00	3070000.00	1350000.00	1680000.00	
M	ANTIMONY	uG/KG	60.00 U	113000.00 U	118000.00 U	148000.00 U	114000.00 U	106000.00 U	
M	ARSENIC	uG/KG	13.80	17500.00 U	20800.00 U	17200.00 U	19300.00 U	22200.00 U	
M	BARIUM	uG/KG	200.00 U	376000.00 U	393000.00 U	492000.00 U	379000.00 U	353000.00 U	
M	BERYLLIUM	uG/KG	5.00 U	9400.00 U	9800.00 U	12300.00 U	9500.00 U	10900.00	
M	BORON	uG/KG	2770.00	188000.00 U	197000.00 U	246000.00 U	189000.00 U	177000.00 U	
M	CADMIUM	uG/KG	5.00 U	108000.00	71600.00	93500.00	59300.00	110000.00	66
M	CALCIUM	uG/KG	22600.00	108000000.00	74300000.00	153000000.00	92000000.00	148000000.00	
M	CHROMIUM, TOTAL	uG/KG	93.80	127000.00	56800.00	390000.00	50600.00	82300.00	5200
M	COBALT	uG/KG	50.00 U	93900.00 U	98300.00 U	123000.00 U	94700.00 U	88300.00 U	
M	COPPER	uG/KG	34.80	96300.00	71200.00	103000.00	64600.00	83700.00	
M	IRON	uG/KG	100.00 U	2650000.00	2370000.00	3470000.00	1680000.00	2140000.00	
M	LEAD	uG/KG	3.00 U	12900.00	12300.00	14400.00	10200.00	12400.00	510
M	LITHIUM	uG/KG	2600.00	188000.00 U	197000.00 U	246000.00 U	189000.00 U	177000.00 U	
M	MAGNESIUM	uG/KG	181000.00	13700000.00	10300000.00	13600000.00	12200000.00	11300000.00	
M	MANGANESE	uG/KG	15.00 U	208000.00	124000.00	163000.00	104000.00	80700.00	
M	MERCURY	uG/KG	0.20 U	1500.00	3600.00	5300.00	1400.00	3500.00	
M	MOLYBDENUM	uG/KG	100.00 U	188000.00 U	197000.00 U	246000.00 U	189000.00 U	177000.00 U	
M	NICKEL	uG/KG	40.00 U	75100.00 U	78700.00 U	98400.00 U	75700.00 U	70600.00 U	320
M	POTASSIUM	uG/KG	729000.00	9390000.00 U	9830000.00 U	12300000.00 U	9890000.00	9420000.00	
M	SELENIUM	uG/KG	50.00 U	8700.00 U	10400.00 U	8600.00 U	9600.00 U	11100.00 U	
M	SILICON	uG/KG	1410.00	2690000.00	2550000.00	3000000.00	3090000.00	2940000.00	
M	SILVER	uG/KG	10.00 U	18800.00 U	19700.00 U	24600.00 U	18900.00 U	17700.00 U	72
M	SODIUM	uG/KG	2440000.00	31300000.00	28800000.00	35500000.00	33000000.00	32600000.00	
M	STRONTIUM	uG/KG	2130.00	848000.00	575000.00	946000.00	739000.00	880000.00	
M	THALLIUM	uG/KG	10.00 U	17500.00 U	20800.00 U	17200.00 U	19300.00 U	22200.00 U	
M	TIN	uG/KG	109.00	188000.00 U	197000.00 U	246000.00 U	189000.00 U	177000.00 U	
M	VANADIUM	uG/KG	50.00 U	93900.00 U	98300.00 U	123000.00 U	94700.00 U	88300.00 U	
M	ZINC	uG/KG	20.00 U	186000.00	197000.00	277000.00	144000.00	110000.00	
A	AMMONIA	MG/KG	0.50	135.00	181.00	199.00	154.00	182.00	
A	BICARBONATE		0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	
A	CARBONATE	MG/KG	280.00	0.00	0.00	0.00	0.00	0.00	
A	CHLORIDE	MG/KG	763.00	11200.00	18200.00	11400.00	16600.00	9900.00	
A	CYANIDE, TOTAL	uG/KG	555.00	10000.00 U	15100.00	12700.00 U	12000.00 U	11800.00 U	590000
A	FLUORIDE	MG/KG	73.00	4380.00 U	6190.00 U	4200.00 U	6250.00 U	4130.00 U	
A	NITRATE-N	MG/KG	1600.00	13000.00	13000.00	8400.00	13000.00	9400.00	
A	NITRITE	MG/KG	75.00	470.00	520.00	310.00	530.00	270.00	
A	PHOSPHATE, ORTHO	MG/KG	0.00 o3	14.00	17.00	20.00	19.00	21.00	
A	PHOSPHATE, TOTAL	MG/KG	3.10	2100.00	2400.00	2800.00	1800.00	1400.00	
A	SULFATE	MG/KG	736.00	6950.00	13800.00	6460.00	10700.00	7120.00	
A	SULFIDE	MG/L	0.00 < 1.	0.00 < 8.	0.00 < 8.	0.00 < 8.	0.00 < 8.	0.00 < 8.	
A	TKN-N	MG/KG	0.10 U	16700.00	17600.00	21300.00	18200.00	22700.00	
T	ALKALINITY, TOTAL	MG/KG	1000.00	2700.00	2700.00	2700.00	3200.00	3500.00	
T	ASTM D 422, PARTICLE SIZE	GRAPH	0.00	0.00	0.00	0.00	0.00	0.00	
T	CONDUCTIVITY @ 25C	uMHOS	1350.00	3700.00	3940.00	4350.00	2900.00	3190.00	
T	TOTAL DISSOLVED SOLIDS	MG/L	13000.00	0.00	0.00	0.00	0.00	0.00	

207 B CENTER: ALL REPORTED DATA

TYPE	COMPOUND	UNITS	WATER B CENTER	COMPOSITE SLUDGE	NW QUADRANT SLUDGE	SW QUADRANT SLUDGE	NE QUADRANT SLUDGE	SE QUADRANT SLUDGE	CCW
T	TOTAL ORGANIC CARBON	MG/L	126.00	22000.00	17000.00	16000.00	21000.00	30000.00	
T	TOTAL SUSPENDED SOLIDS	%	15.00	10.00	0.00	0.00	0.00	0.00	
T	pH	pH	9.10	9.20	9.30	9.20	9.30	9.30	
R	AMERICIUM 241	pCI/L	5.50 +-4.5	0.00 <1.0	5.10 +-1.6	1.20 +-.5	0.00 <3.0	0.00 <10.	
R	GROSS ALPHA	pCI/L	2400.00 +-300	120.00 +-30	120.00 +-30.	130.00 +-30	120.00 +-30	120.00 +-30	
R	GROSS BETA	pCI/L	3900.00 +-200	380.00 +-50	270.00 +-40.	370.00 +-40	320.00 +-40	340.00 +-40	
R	PLUTONIUM 239	pCI/L	0.36 +-.18	5.10 +-1.6	2.30 +-0.6	0.18 +-.09	3.40 +-1.6	7.20 +-2.1	
R	URANIUM 234	pCI/L	780.00 +-30	70.00 +-2	71.00 +-3.	69.00 +-1.0	85.00 +-2	86.00 +-2	
R	URANIUM 235	pCI/L	36.00 +-7	2.50 +-.4	2.10 +-0.5	2.00 +-0.2	3.00 +-.4	2.40 +-.3	
R	URANIUM 238	pCI/L	900.00 +-40	75.00 +-2.0	78.00 +-3.	76.00 +-1.0	94.00 +-2	88.00 +-2	

U-UNDETECTED, J-DETECTED BELOW QC LIMIT, B-FOUND IN BLANK, E-LABORATORY ERROR

A-ANION; M-METAL; P-PESTICIDE, PCB, OR DIOXIN; R-RADIONUCLIDE
S-SEMIVOLATILE ORGANIC COMPOUND; V-VOLATILE ORGANIC COMPOUND; T-MISCELLANEOUS TESTS

WHERE THE CONCENTRATION IS REPORTED AS LESS THAN A GIVEN VALUE, IT APPEARS IN THIS REPORT AS 0.00 < _.__ , AS FOR SULFIDE, PHOSPHATE, AND SOME RADIONUCLIDES
N-NITROSODIPHENYLAMINE COULD NOT BE SEPARATED FROM DIPHENYLAMINE

207 B SOUTH: DETECTED COMPOUNDS

	COMPOUND		WATER B SOUTH	COMPOSITE SLUDGE	NW QUADRANT SLUDGE	SW QUADRANT SLUDGE	NE QUADRANT SLUDGE	SE QUADRANT SLUDGE	CCW
V	ACETONE	uG/KG	2.00 JB	210.00 B	330.00 B	250.00 B	180.00 B	200.00 B	590
P	ATRAZINE	uG/KG	13.00	150.00 J	140.00 J	140.00 J	130.00 J	110.00 J	
S	DI-N-BUTYLPHTHALATE	uG/KG	1.00 J	960.00 J	860.00 J	7000.00 U	7200.00 U	760.00 J	
S BIS 2	ETHYLHEXYL PHTHALATE	uG/KG	10.00 U	1900.00 J	3800.00 J	2200.00 J	1000.00 J	1400.00 J	
S	FLUORANTHENE	uG/KG	10.00 U	7300.00 U	780.00 J	7000.00 U	7200.00 U	5600.00 U	
V	METHYLENE CHLORIDE	uG/KG	5.00 U	310.00 B	480.00 B	290.00 B	340.00 B	290.00 B	960
S	PYRENE	uG/KG	10.00 U	7300.00 U	880.00 J	7000.00 U	7200.00 U	5600.00 U	
V	TETRACHLOROETHENE	uG/KG	5.00 U	130.00	240.00	310.00	59.00	38.00	50
V	TRICHLOROETHENE	uG/KG	5.00 U	8.00 J	27.00 J	16.00 J	42.00 U	36.00	91
V	XYLENES (TOTAL)	uG/KG	5.00 U	36.00 U	14.00	36.00 U	42.00 U	36.00 U	150
M	ALUMINUM	uG/KG	200.00 U	1870000.00	2260000.00	2390000.00	1680000.00	1510000.00	
M	ARSENIC	uG/KG	16.40	13600.00 U	14700.00 U	13600.00 U	16200.00 U	11200.00 U	
M	BORON	uG/KG	2770.00	138000.00	154000.00 U	144000.00 U	124000.00 U	146000.00	
M	CADMIUM	uG/KG	5.00 U	28200.00	23900.00	25700.00	27500.00	18900.00	66
M	CALCIUM	uG/KG	18900.00	124000000.00	76000000.00	95600000.00	131000000.00	157000000.00	
M	CHROMIUM, TOTAL	uG/KG	22.80	30000.00	23300.00	27700.00	35800.00	30700.00	5200
M	COPPER	uG/KG	37.40	95200.00	210000.00	137000.00	96000.00	76700.00	
M	IRON	uG/KG	100.00 U	2530000.00	3490000.00	3690000.00	2420000.00	2160000.00	
M	LEAD	uG/KG	3.00 U	9400.00	44200.00 U	21100.00	11300.00	33500.00 U	510
M	LITHIUM	uG/KG	2670.00	104000.00 U	154000.00 U	144000.00 U	124000.00 U	128000.00 U	
M	MAGNESIUM	uG/KG	180000.00	9680000.00	10600000.00	11900000.00	11300000.00	9760000.00	
M	MANGANESE	uG/KG	18.20	107000.00	204000.00	186000.00	107000.00	75200.00	
M	MERCURY	uG/KG	1.00	740.00 U	980.00 U	740.00 U	820.00 U	730.00 U	
M	MOLYBDENUM	uG/KG	122.00	104000.00 U	154000.00 U	144000.00 U	124000.00 U	128000.00 U	
M	NICKEL	uG/KG	40.00	41400.00 U	61800.00 U	57700.00 U	49500.00 U	51100.00 U	320
M	POTASSIUM	uG/KG	791000.00	7370000.00	9580000.00	7970000.00	7700000.00	6600000.00	
M	SELENIUM	uG/KG	0.00	6800.00 U	7400.00 U	6800.00 U	8100.00 U	5600.00 U	
M	SILICON	uG/KG	952.00	4320000.00	4790000.00	5070000.00	4190000.00	3750000.00	
M	SILVER	uG/KG	10.00 U	10400.00 U	25900.00	18900.00	12400.00 U	12800.00 U	72
M	SODIUM	uG/KG	2940000.00	24200000.00	32800000.00	28800000.00	26500000.00	23800000.00	
M	STRONTIUM	uG/KG	2370.00	720000.00	575000.00	650000.00	762000.00	734000.00	
M	ZINC	uG/KG	37.10	126000.00	300000.00	234000.00	133000.00	80600.00	
A	AMMONIA	MG/KG	0.97	256.00	393.00	352.00	271.00	585.00	
A	CARBONATE	MG/KG	190.00	0.00	0.00	0.00	0.00	0.00	
A	CHLORIDE	MG/KG	745.00	11300.00	13300.00	11600.00	17200.00	8600.00	
A	CYANIDE, TOTAL	uG/KG	509.00	7400.00 U	15400.00	8700.00	74100.00	58800.00	590000
A	FLUORIDE	MG/KG	72.50	4130.00 U	4220.00 U	3250.00 U	6240.00 U	3090.00 U	
A	NITRATE-N	MG/KG	1800.00	11000.00	15000.00	19000.00	12000.00	9600.00	
A	NITRITE	MG/KG	100.00	860.00	860.00	1200.00	1200.00	1700.00	
A	PHOSPHATE, ORTHO	MG/KG	0.00	23.00	3.80	7.50	24.00	42.00	
A	PHOSPHATE, TOTAL	MG/KG	2.60	260.00	5300.00	5700.00	68.00	220.00	
A	SULFATE	MG/KG	784.00	8530.00	8070.00	6190.00	12800.00	6380.00	
A	SULFIDE	MG/L	1.00	0.00 <8	0.00 <8	0.00 <8	0.00 <8	0.00 <8	
A	TKN-N	MG/KG	0.10 U	12100.00	15000.00	16400.00	13700.00	12200.00	
T	ALKALINITY, TOTAL	MG/KG	860.00	3000.00	1900.00	1700.00	3700.00	5500.00	
T	ASTM D 422, PARTICLE SIZE	GRAPH	0.00	0.00	0.00	0.00	0.00	0.00	
T	CONDUCTIVITY @ 25C	uMHOS	23000.00	0.00	0.00	0.00	0.00	0.00	
T	TOTAL DISSOLVED SOLIDS	MG/L	16000.00	0.00	0.00	0.00	0.00	0.00	

207 B SOUTH: DETECTED COMPOUNDS

	COMPOUND		WATER B SOUTH	COMPOSITE SLUDGE	NW QUADRANT SLUDGE	SW QUADRANT SLUDGE	NE QUADRANT SLUDGE	SE QUADRANT SLUDGE	CCW
T	TOTAL ORGANIC CARBON	MG/L	297.00	21000.00	15000.00	23000.00	21000.00	23000.00	
T	TOTAL SUSPENDED SOLIDS	%	6.00	0.00	0.00	0.00	0.00	0.00	
T	pH	pH	9.20	0.00	0.00	0.00	0.00	0.00	
R	AMERICIUM 241	pCI/L	0.13 +-.11	2.40 +-.9	1.20 +-.6	0.00 <7.0	2.40 +-1.2	0.75 +-.4	
R	GROSS ALPHA	pCI/L	1600.00 +-200	150.00 +40	200.00 +-40	150.00 +-40.	220.00 +-40.	220.00 +-40	
R	GROSS BETA	pCI/L	2300.00 +-200	530.00 +50	520.00 +-50	380.00 +-50.	620.00 +-60.	730.00 +-730	
R	PLUTONIUM 239	pCI/L	0.14 +-.12	1.90 +-.5	7.40 +-.3	5.70 +-1.4	23.00 +-6.	6.90 +-.6	
R	URANIUM 234	pCI/L	760.00 +-50.	130.00 +-10	0.04 +-.02	71.00 +-2.	76.00 +-2.	160.00 +-10	
R	URANIUM 235	pCI/L	31.00 +-11.	2.90 +2.2	1.60 +-.1	2.50 +-0.4	2.50 +-0.3	5.10 +-.7	
R	URANIUM 238	pCI/L	870.00 +-60.	150.00 +-20	0.04 +-.02	80.00 +-2.	84.00 +-2.0	190.00 +-10	

U-UNDETECTED, J-DETECTED BELOW QC LIMIT, B-FOUND IN BLANK, E-LABORATORY ERROR

A-ANION; M-METAL; P-PESTICIDE, PCB, OR DIOXIN; R-RADIONUCLIDE
S-SEMIVOLATILE ORGANIC COMPOUND; V-VOLATILE ORGANIC COMPOUND; T-MISCELLANEOUS TESTS

WHERE THE CONCENTRATION IS REPORTED AS LESS THAN A GIVEN VALUE, IT APPEARS IN THIS REPORT AS 0.00 < _.__ , AS FOR SULFIDE, PHOSPHATE, AND SOME RADIONUCLIDES
N-NITROSODIPHENYLAMINE COULD NOT BE SEPARATED FROM DIPHENYLAMINE

207 B SOUTH: CCW COMPARISON

THE CONSTITUENT CONCENTRATION IN THE WASTE (CCW) LEVEL IS EXCEEDED
BY THE DETECTION LIMIT OR THE CONCENTRATION IN THE FOLLOWING COMPOUNDS

	COMPOUND	CCW	LIQUID	SLUDGE COMPOSITE	SLUDGE NW QUADRANT	SLUDGE SW QUADRANT	SLUDGE NE QUADRANT	SLUDGE SE QUADRANT
	COMPOUND							
	CYCLOHEXANONE	750	9.50 U	1400.00 U	1500.00 U	1200.00 U	2200.00 U	1100.00 U
12	DICHLOROBENZENE	125	10.00 U	7300.00 U	7600.00 U	7000.00 U	7200.00 U	5600.00 U
	DIETHYL ETHER	750	7.10 U	1000.00 U	1100.00 U	900.00 U	1700.00 U	790.00 U
	ETHYL ACETATE	750	9.00 U	1300.00 U	1400.00 U	1100.00 U	2100.00 U	1000.00 U
	METHANOL	750	7.80 U	1100.00 U	1200.00 U	990.00 U	1800.00 U	870.00 U
	TETRACHLOROETHENE	50	5.00 U	130.00	240.00	310.00	59.00	38.00
	CADMIUM	66	5.00 U	28200.00	23900.00	25700.00	27500.00	18900.00
	CHROMIUM, TOTAL	5200	22.80	30000.00	23300.00	27700.00	35800.00	30700.00
	LEAD	510	3.00 U	9400.00	44200.00 U	21100.00	11300.00	33500.00 U
	NICKEL	320	40.00	41400.00 U	61800.00 U	57700.00 U	49500.00 U	51100.00 U
	SILVER	72	10.00 U	10400.00 U	25900.00	18900.00	12400.00 U	12800.00 U

IF NO COMPOUNDS ARE LISTED, NONE ARE ABOVE THE CCW
U-UNDETECTED, J-DETECTED BELOW QC LIMIT, B-FOUND IN BLANK

207 B SOUTH: ALL REPORTED DATA

TYPE		COMPOUND		WATER B SOUTH	COMPOSITE SLUDGE	NW QUADRANT SLUDGE	SW QUADRANT SLUDGE	NE QUADRANT SLUDGE	SE QUADRANT SLUDGE	CCW
S		ACENAPHTHENE	uG/KG	10.00 U	7300.00 U	7600.00 U	7000.00 U	7200.00 U	5600.00 U	
S		ACENAPHTHYLENE	uG/KG	10.00 U	7300.00 U	7600.00 U	7000.00 U	7200.00 U	5600.00 U	
V		ACETONE	uG/KG	2.00 JB	210.00 B	330.00 B	250.00 B	180.00 B	200.00 B	590
V		ACRYLONITRILE	uG/KG	10.00 U	71.00 U	94.00 U	72.00 U	84.00 U	73.00 U	
P		ALDRIN	uG/KG	0.25 U	85.00 U	93.00 U	79.00 U	78.00 U	67.00 U	
S		ANTHRACENE	uG/KG	10.00 U	7300.00 U	7600.00 U	7000.00 U	7200.00 U	5600.00 U	
P		AROCLOR 1016	uG/KG	2.50 U	850.00 U	930.00 U	790.00 U	780.00 U	670.00 U	
P		AROCLOR 1221	uG/KG	2.50 U	850.00 U	930.00 U	790.00 U	780.00 U	670.00 U	
P		AROCLOR 1232	uG/KG	2.50 U	850.00 U	930.00 U	790.00 U	780.00 U	670.00 U	
P		AROCLOR 1242	uG/KG	2.50 U	850.00 U	930.00 U	790.00 U	780.00 U	670.00 U	
P		AROCLOR 1248	uG/KG	2.50 U	850.00 U	930.00 U	790.00 U	780.00 U	670.00 U	
P		AROCLOR 1254	uG/KG	5.00 U	1700.00 U	1900.00 U	1600.00 U	1600.00 U	1300.00 U	
P		AROCLOR 1260	uG/KG	5.00 U	1700.00 U	1900.00 U	1600.00 U	1600.00 U	1300.00 U	
P		ATRAZINE	uG/KG	13.00	150.00 J	140.00 J	140.00 J	130.00 J	110.00 J	
V		BENZENE	uG/KG	5.00 U	36.00 U	47.00 U	36.00 U	42.00 U	36.00 U	3700
S		BENZO(A)ANTHRACENE	uG/KG	10.00 U	7300.00 U	7600.00 U	7000.00 U	7200.00 U	5600.00 U	
S		BENZO(A)PYRENE	uG/KG	10.00 U	7300.00 U	7600.00 U	7000.00 U	7200.00 U	5600.00 U	
S		BENZO(B)FLUORANTHENE	uG/KG	10.00 U	7300.00 U	7600.00 U	7000.00 U	7200.00 U	5600.00 U	
S		BENZO(G,H,I)PERYLENE	uG/KG	10.00 U	7300.00 U	7600.00 U	7000.00 U	7200.00 U	5600.00 U	
S		BENZO(K)FLUORANTHENE	uG/KG	10.00 U	7300.00 U	7600.00 U	7000.00 U	7200.00 U	5600.00 U	
S		BENZOIC ACID	uG/KG	51.00 U	36000.00 U	38000.00 U	35000.00 U	36000.00 U	28000.00 U	
S		BENZYL ALCOHOL	uG/KG	10.00 U	7300.00 U	7600.00 U	7000.00 U	7200.00 U	5600.00 U	
V		BROMODICHLOROMETHANE	uG/KG	5.00 U	36.00 U	47.00 U	36.00 U	42.00 U	36.00 U	
V		BROMOFORM	uG/KG	5.00 U	36.00 U	47.00 U	36.00 U	42.00 U	36.00 U	
V		BROMOMETHANE	uG/KG	10.00 U	71.00 U	94.00 U	72.00 U	84.00 U	73.00 U	
S	4	BROMOPHENYL-PHENYL ETHER	uG/KG	10.00 U	7300.00 U	7600.00 U	7000.00 U	7200.00 U	5600.00 U	
V	2	BUTANONE	uG/KG	10.00 U	71.00 U	94.00 U	72.00 U	84.00 U	73.00 U	
S		BUTYLBENZYLPHTHALATE	uG/KG	10.00 U	7300.00 U	7600.00 U	7000.00 U	7200.00 U	5600.00 U	
V		CARBON DISULFIDE	uG/KG	5.00 U	36.00 U	47.00 U	36.00 U	42.00 U	36.00 U	4810
V		CARBON TETRACHLORIDE	uG/KG	5.00 U	36.00 U	47.00 U	36.00 U	42.00 U	36.00 U	960
P		CHLORDANE, ALPHA	uG/KG	2.50 U	850.00 U	930.00 U	790.00 U	780.00 U	670.00 U	
P		CHLORDANE, GAMMA	uG/KG	2.50 U	850.00 U	930.00 U	790.00 U	780.00 U	670.00 U	
S	4	CHLORO-3-METHYLPHENOL	uG/KG	10.00 U	7300.00 U	7600.00 U	7000.00 U	7200.00 U	5600.00 U	
S	4	CHLOROANILINE	uG/KG	10.00 U	7300.00 U	7600.00 U	7000.00 U	7200.00 U	5600.00 U	
V		CHLOROBENZENE	uG/KG	5.00 U	36.00 U	47.00 U	36.00 U	42.00 U	36.00 U	50
V		CHLOROETHANE	uG/KG	10.00 U	71.00 U	94.00 U	72.00 U	84.00 U	73.00 U	
S	BIS 2	CHLOROETHOXYMETHANE	uG/KG	10.00 U	7300.00 U	7600.00 U	7000.00 U	7200.00 U	5600.00 U	
S	BIS 2	CHLOROETHYLETHER	uG/KG	10.00 U	7300.00 U	7600.00 U	7000.00 U	7200.00 U	5600.00 U	
V		CHLOROFORM	uG/KG	5.00 U	36.00 U	47.00 U	36.00 U	42.00 U	36.00 U	
S	BIS 2	CHLOROISOPROPYL ETHER	uG/KG	10.00 U	7300.00 U	7600.00 U	7000.00 U	7200.00 U	5600.00 U	
V		CHLOROMETHANE	uG/KG	10.00 U	71.00 U	94.00 U	72.00 U	84.00 U	73.00 U	
S	2	CHLORONAPHTHALENE	uG/KG	10.00 U	7300.00 U	7600.00 U	7000.00 U	7200.00 U	5600.00 U	
S	2	CHLOROPHENOL	uG/KG	10.00 U	7300.00 U	7600.00 U	7000.00 U	7200.00 U	5600.00 U	
S	4	CHLOROPHENYL-PHENYLETHER	uG/KG	10.00 U	7300.00 U	7600.00 U	7000.00 U	7200.00 U	5600.00 U	
S		CHRYSENE	uG/KG	10.00 U	7300.00 U	7600.00 U	7000.00 U	7200.00 U	5600.00 U	
V		CYCLOHEXANONE	uG/KG	9.50 U	1400.00 U	1500.00 U	1200.00 U	2200.00 U	1100.00 U	750
P	44	DDD	uG/KG	0.50 U	170.00 U	190.00 U	160.00 U	160.00 U	130.00 U	
P	44	DDE	uG/KG	0.50 U	170.00 U	190.00 U	160.00 U	160.00 U	130.00 U	

207 B SOUTH: ALL REPORTED DATA

TYPE		COMPOUND		WATER B SOUTH	COMPOSITE SLUDGE	NW QUADRANT SLUDGE	SW QUADRANT SLUDGE	NE QUADRANT SLUDGE	SE QUADRANT SLUDGE	CCW
P	44	DDT	uG/KG	0.50 U	170.00 U	190.00 U	160.00 U	160.00 U	130.00 U	
S		DI-N-BUTYLPHTHALATE	uG/KG	1.00 J	960.00 J	860.00 J	7000.00 U	7200.00 U	760.00 J	
S		DI-N-OCTYL PHTHALATE	uG/KG	10.00 U	7300.00 U	7600.00 U	7000.00 U	7200.00 U	5600.00 U	
P		DIAZINON	uG/KG	0.50 U	360.00 U	370.00 U	320.00 U	330.00 U	280.00 U	
S		DIBENZO(A,H)ANTHRACENE	uG/KG	10.00 U	7300.00 U	7600.00 U	7000.00 U	7200.00 U	5600.00 U	
S		DIBENZOFURAN	uG/KG	10.00 U	7300.00 U	7600.00 U	7000.00 U	7200.00 U	5600.00 U	
V		DIBROMOCHLOROMETHANE	uG/KG	5.00 U	36.00 U	47.00 U	36.00 U	42.00 U	36.00 U	
S	13	DICHLOROBENZENE	uG/KG	10.00 U	7300.00 U	7600.00 U	7000.00 U	7200.00 U	5600.00 U	
S	14	DICHLOROBENZENE	uG/KG	10.00 U	7300.00 U	7600.00 U	7000.00 U	7200.00 U	5600.00 U	
S	12	DICHLOROBENZENE	uG/KG	10.00 U	7300.00 U	7600.00 U	7000.00 U	7200.00 U	5600.00 U	
S	33	DICHLOROBENZIDINE	uG/KG	20.00 U	15000.00 U	15000.00 U	14000.00 U	14000.00 U	11000.00 U	125
V	12	DICHLOROETHANE	uG/KG	5.00 U	36.00 U	47.00 U	36.00 U	42.00 U	36.00 U	
V	11	DICHLOROETHANE	uG/KG	5.00 U	36.00 U	47.00 U	36.00 U	42.00 U	36.00 U	
V	11	DICHLOROETHENE	uG/KG	5.00 U	36.00 U	47.00 U	36.00 U	42.00 U	36.00 U	
V	12	DICHLOROETHENE(TOTAL)	uG/KG	5.00 U	36.00 U	47.00 U	36.00 U	42.00 U	36.00 U	
S	24	DICHLOROPHENOL	uG/KG	10.00 U	7300.00 U	7600.00 U	7000.00 U	7200.00 U	5600.00 U	
V	12	DICHLOROPROPANE	uG/KG	5.00 U	36.00 U	47.00 U	36.00 U	42.00 U	36.00 U	
V	TRANS 13	DICHLOROPROPENE	uG/KG	5.00 U	36.00 U	47.00 U	36.00 U	42.00 U	36.00 U	
V	CIS 13	DICHLOROPROPENE	uG/KG	5.00 U	36.00 U	47.00 U	36.00 U	42.00 U	36.00 U	
P		DIELDRIN	uG/KG	0.50 U	170.00 U	190.00 U	160.00 U	160.00 U	130.00 U	
V		DIETHYL ETHER	uG/KG	7.10 U	1000.00 U	1100.00 U	900.00 U	1700.00 U	790.00 U	750
S		DIETHYL PHTHALATE	uG/KG	10.00 U	7300.00 U	7600.00 U	7000.00 U	7200.00 U	5600.00 U	
S		DIMETHYL PHTHALATE	uG/KG	10.00 U	7300.00 U	7600.00 U	7000.00 U	7200.00 U	5600.00 U	
S	24	DIMETHYLPHENOL	uG/KG	10.00 U	7300.00 U	7600.00 U	7000.00 U	7200.00 U	5600.00 U	
S	46	DINITRO-2-METHYLPHENOL	uG/KG	51.00 U	36000.00 U	38000.00 U	35000.00 U	36000.00 U	28000.00 U	
S	24	DINITROPHENOL	uG/KG	51.00 U	36000.00 U	38000.00 U	35000.00 U	36000.00 U	28000.00 U	
S	26	DINITROTOLUENE	uG/KG	10.00 U	7300.00 U	7600.00 U	7000.00 U	7200.00 U	5600.00 U	
S	24	DINITROTOLUENE	uG/KG	10.00 U	7300.00 U	7600.00 U	7000.00 U	7200.00 U	5600.00 U	
P		DIOXIN (2,3,7,8 TCDD)	nG/KG	0.50 U	0.30 U	0.20 U	0.40 U	0.30 U	0.20 U	
P		ENDOSULFAN I	uG/KG	0.25 U	85.00 U	93.00 U	79.00 U	78.00 U	67.00 U	
P	44	ENDOSULFAN II	uG/KG	0.50 U	170.00 U	190.00 U	160.00 U	160.00 U	130.00 U	
P	44	ENDOSULFAN SULFATE	uG/KG	0.50 U	170.00 U	190.00 U	160.00 U	160.00 U	130.00 U	
P	44	ENDRIN	uG/KG	0.50 U	170.00 U	190.00 U	160.00 U	160.00 U	130.00 U	
P	44	ENDRIN KETONE	uG/KG	0.50 U	170.00 U	190.00 U	160.00 U	160.00 U	130.00 U	
V		ETHYL ACETATE	uG/KG	9.00 U	1300.00 U	1400.00 U	1100.00 U	2100.00 U	1000.00 U	750
V		ETHYL BENZENE	uG/KG	5.00 U	36.00 U	47.00 U	36.00 U	42.00 U	36.00 U	53
S	BIS 2	ETHYLHEXYL PHTHALATE	uG/KG	10.00 U	1900.00 J	3800.00 J	2200.00 J	1000.00 J	1400.00 J	
S		FLUORANTHENE	uG/KG	10.00 U	7300.00 U	780.00 J	7000.00 U	7200.00 U	5600.00 U	
S		FLUORENE	uG/KG	10.00 U	7300.00 U	7600.00 U	7000.00 U	7200.00 U	5600.00 U	
P		HEPTACHLOR	uG/KG	0.25 U	85.00 U	93.00 U	79.00 U	78.00 U	67.00 U	
P		HEPTACHLOR EPOXIDE	uG/KG	0.25 U	85.00 U	93.00 U	79.00 U	78.00 U	67.00 U	
S		HEXACHLOROBENZENE	uG/KG	10.00 U	7300.00 U	7600.00 U	7000.00 U	7200.00 U	5600.00 U	
S		HEXACHLOROBUTADIENE	uG/KG	10.00 U	7300.00 U	7600.00 U	7000.00 U	7200.00 U	5600.00 U	
P		HEXACHLOROCYCLOHEXANE, ALPHA	uG/KG	0.25 U	85.00 U	93.00 U	79.00 U	78.00 U	67.00 U	
P		HEXACHLOROCYCLOHEXANE, BETA	uG/KG	0.25 U	85.00 U	93.00 U	79.00 U	78.00 U	67.00 U	

207 B SOUTH: ALL REPORTED DATA

TYPE		COMPOUND		WATER B SOUTH	COMPOSITE SLUDGE	NW QUADRANT SLUDGE	SW QUADRANT SLUDGE	NE QUADRANT SLUDGE	SE QUADRANT SLUDGE	CCW
P		HEXACHLOROCYCLOHEXANE, DELTA	uG/KG	0.25 U	85.00 U	93.00 U	79.00 U	78.00 U	67.00 U	
P		HEXACHLOROCYCLOHEXANE, GAMMA	uG/KG	0.25 U	85.00 U	93.00 U	79.00 U	78.00 U	67.00 U	
S		HEXACHLOROCYCLOPENTADIENE	uG/KG	10.00 U	7300.00 U	7600.00 U	7000.00 U	7200.00 U	5600.00 U	
S		HEXACHLOROETHANE	uG/KG	10.00 U	7300.00 U	7600.00 U	7000.00 U	7200.00 U	5600.00 U	
V	2	HEXANONE	uG/KG	10.00 U	71.00 U	94.00 U	72.00 U	84.00 U	73.00 U	
S		INDENO(1,2,3-CD)PYRENE	uG/KG	10.00 U	7300.00 U	7600.00 U	7000.00 U	7200.00 U	5600.00 U	
V		ISO BUTYL ALCOHOL	uG/KG	8.10 U	1200.00 U	1200.00 U	1000.00 U	1900.00 U	900.00 U	5000
S		ISOPHORONE	uG/KG	10.00 U	7300.00 U	7600.00 U	7000.00 U	7200.00 U	5600.00 U	
V		METHANOL	uG/KG	7.80 U	1100.00 U	1200.00 U	990.00 U	1800.00 U	870.00 U	750
P		METHOXYCHLOR	uG/KG	0.25 U	850.00 U	930.00 U	790.00 U	780.00 U	670.00 U	
S	2	METHYL NAPHTHALENE	uG/KG	10.00 U	7300.00 U	7600.00 U	7000.00 U	7200.00 U	5600.00 U	
P		METHYL PARATHION	uG/KG	0.50 U	360.00 U	370.00 U	320.00 U	330.00 U	280.00 U	
V	4	METHYL-2-PENTANONE	uG/KG	10.00 U	71.00 U	94.00 U	72.00 U	84.00 U	73.00 U	
V		METHYLENE CHLORIDE	uG/KG	5.00 U	310.00 B	480.00 B	290.00 B	340.00 B	290.00 B	960
S	2	METHYLPHENOL(O-CRESOL)	uG/KG	10.00 U	7300.00 U	7600.00 U	7000.00 U	7200.00 U	5600.00 U	
S	4	METHYLPHENOL(P-CRESOL)	uG/KG	10.00 U	7300.00 U	7600.00 U	7000.00 U	7200.00 U	5600.00 U	
V		N BUTYL ALCOHOL	uG/KG	8.10 U	1200.00 U	1200.00 U	1000.00 U	1900.00 U	900.00 U	5000
S		N-NITROSO-DI-PROPYLAMINE	uG/KG	10.00 U	7300.00 U	7600.00 U	7000.00 U	7200.00 U	5600.00 U	
S		N-NITROSODIPHENYLAMINE	uG/KG	10.00 U	7300.00 U	7600.00 U	7000.00 U	7200.00 U	5600.00 U	
S		NAPHTHALENE	uG/KG	10.00 U	7300.00 U	7600.00 U	7000.00 U	7200.00 U	5600.00 U	
S	4	NITROANILINE	uG/KG	51.00 U	36000.00 U	38000.00 U	35000.00 U	36000.00 U	28000.00 U	
S	2	NITROANILINE	uG/KG	51.00 U	36000.00 U	38000.00 U	35000.00 U	36000.00 U	28000.00 U	
S	3	NITROBENZENE	uG/KG	10.00 U	7300.00 U	7600.00 U	7000.00 U	7200.00 U	5600.00 U	
S	2	NITROPHENOL	uG/KG	10.00 U	7300.00 U	7600.00 U	7000.00 U	7200.00 U	5600.00 U	
S	4	NITROPHENOL	uG/KG	51.00 U	36000.00 U	38000.00 U	35000.00 U	36000.00 U	28000.00 U	
S		PENTACHLOROPHENOL	uG/KG	51.00 U	36000.00 U	38000.00 U	35000.00 U	36000.00 U	28000.00 U	
S		PHENANTHRENE	uG/KG	10.00 U	7300.00 U	7600.00 U	7000.00 U	7200.00 U	5600.00 U	
S		PHENOL	uG/KG	10.00 U	7300.00 U	7600.00 U	7000.00 U	7200.00 U	5600.00 U	
S		PYRENE	uG/KG	10.00 U	7300.00 U	880.00 J	7000.00 U	7200.00 U	5600.00 U	
P		SIMAZINE	uG/KG	1.10 U	720.00 U	750.00 U	640.00 U	670.00 U	560.00 U	
V		STYRENE	uG/KG	5.00 U	36.00 U	47.00 U	36.00 U	42.00 U	36.00 U	
V	1122	TETRACHLOROETHANE	uG/KG	5.00 U	36.00 U	47.00 U	36.00 U	42.00 U	36.00 U	
V		TETRACHLOROETHENE	uG/KG	5.00 U	130.00	240.00	310.00	59.00	38.00	50
V		TOLUENE	uG/KG	5.00 U	36.00 U	47.00 U	36.00 U	42.00 U	36.00 U	330
P		TOXAPHENE	uG/KG	0.50 U	1700.00 U	1900.00 U	1600.00 U	1600.00 U	1300.00 U	
S	124	TRICHLOROBENZENE	uG/KG	10.00 U	7300.00 U	7600.00 U	7000.00 U	7200.00 U	5600.00 U	
V	111	TRICHLOROETHANE	uG/KG	5.00 U	36.00 U	47.00 U	36.00 U	42.00 U	36.00 U	410
V	112	TRICHLOROETHANE	uG/KG	5.00 U	36.00 U	47.00 U	36.00 U	42.00 U	36.00 U	7600
V		TRICHLOROETHENE	uG/KG	5.00 U	8.00 J	27.00 J	16.00 J	42.00 U	36.00	91
V		TRICHLOROFLUOROMETHANE	uG/KG	5.00 U	36.00 U	47.00 U	36.00 U	42.00 U	36.00 U	960
S	245	TRICHLOROPHENOL	uG/KG	51.00 U	36000.00 U	38000.00 U	35000.00 U	36000.00 U	28000.00 U	
S	246	TRICHLOROPHENOL	uG/KG	10.00 U	7300.00 U	7600.00 U	7000.00 U	7200.00 U	5600.00 U	
V	112	TRICHLOROTRIFLUOROETHANE	uG/KG	10.00 U	71.00 U	94.00 U	72.00 U	84.00 U	73.00 U	960
V		VINYL ACETATE	uG/KG	10.00 U	71.00 U	94.00 U	72.00 U	84.00 U	73.00 U	
V		VINYL CHLORIDE	uG/KG	10.00 U	71.00 U	94.00 U	72.00 U	84.00 U	73.00 U	

207 B SOUTH: ALL REPORTED DATA

TYPE	COMPOUND		WATER B SOUTH	COMPOSITE SLUDGE	NW QUADRANT SLUDGE	SW QUADRANT SLUDGE	NE QUADRANT SLUDGE	SE QUADRANT SLUDGE	CCW
V	XYLENES (TOTAL)	uG/KG	5.00 U	36.00 U	14.00	36.00 U	42.00 U	36.00 U	150
M	ALUMINUM	uG/KG	200.00 U	1870000.00	2260000.00	2390000.00	1680000.00	1510000.00	
M	ANTIMONY	uG/KG	60.00 U	62200.00 U	92600.00 U	86500.00 U	74300.00 U	76700.00 U	
M	ARSENIC	uG/KG	16.40	13600.00 U	14700.00 U	13600.00 U	16200.00 U	11200.00 U	
M	BARIUM	uG/KG	200.00 U	207000.00 U	309000.00 U	288000.00 U	248000.00 U	256000.00 U	
M	BERYLLIUM	uG/KG	5.00 U	5200.00 U	7700.00 U	7200.00 U	6200.00 U	6400.00 U	
M	BORON	uG/KG	2770.00	138000.00	154000.00 U	144000.00 U	124000.00 U	146000.00	
M	CADMIUM	uG/KG	5.00 U	28200.00	23900.00	25700.00	27500.00	18900.00	66
M	CALCIUM	uG/KG	18900.00	124000000.00	76000000.00	95600000.00	131000000.00	157000000.00	
M	CHROMIUM, TOTAL	uG/KG	22.80	30000.00	23300.00	27700.00	35800.00	30700.00	5200
M	COBALT	uG/KG	50.00 U	51800.00 U	77200.00 U	72100.00 U	61900.00 U	63900.00 U	
M	COPPER	uG/KG	37.40	95200.00	210000.00	137000.00	96000.00	76700.00	
M	IRON	uG/KG	100.00 U	2530000.00	3490000.00	3690000.00	2420000.00	2160000.00	
M	LEAD	uG/KG	3.00 U	9400.00	44200.00 U	21100.00	11300.00	33500.00 U	510
M	LITHIUM	uG/KG	2670.00	104000.00 U	154000.00 U	144000.00 U	124000.00 U	128000.00 U	
M	MAGNESIUM	uG/KG	180000.00	9680000.00	10600000.00	11900000.00	11300000.00	9760000.00	
M	MANGANESE	uG/KG	18.20	107000.00	204000.00	186000.00	107000.00	75200.00	
M	MERCURY	uG/KG	1.00	740.00 U	980.00 U	740.00 U	820.00 U	730.00 U	
M	MOLYBDENUM	uG/KG	122.00	104000.00 U	154000.00 U	144000.00 U	124000.00 U	128000.00 U	
M	NICKEL	uG/KG	40.00	41400.00 U	61800.00 U	57700.00 U	49500.00 U	51100.00 U	320
M	POTASSIUM	uG/KG	791000.00	7370000.00	9580000.00	7970000.00	7700000.00	6600000.00	
M	SELENIUM	uG/KG	0.00	6800.00 U	7400.00 U	6800.00 U	8100.00 U	5600.00 U	
M	SILICON	uG/KG	952.00	4320000.00	4790000.00	5070000.00	4190000.00	3750000.00	
M	SILVER	uG/KG	10.00 U	10400.00 U	25900.00	18900.00	12400.00 U	12800.00 U	72
M	SODIUM	uG/KG	2940000.00	24200000.00	32800000.00	28800000.00	26500000.00	23800000.00	
M	STRONTIUM	uG/KG	2370.00	720000.00	575000.00	650000.00	762000.00	734000.00	
M	THALLIUM	uG/KG	10.00 U	13600.00 U	14700.00 U	13600.00 U	16200.00 U	11200.00 U	
M	TIN	uG/KG	100.00 U	104000.00 U	154000.00 U	144000.00 U	124000.00 U	128000.00 U	
M	VANADIUM	uG/KG	50.00 U	51800.00 U	77200.00 U	72100.00 U	61900.00 U	63900.00 U	
M	ZINC	uG/KG	37.10	126000.00	300000.00	234000.00	133000.00	80600.00	
A	AMMONIA	MG/KG	0.97	256.00	393.00	352.00	271.00	585.00	
A	BICARBONATE		0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	
A	CARBONATE	MG/KG	190.00	0.00	0.00	0.00	0.00	0.00	
A	CHLORIDE	MG/KG	745.00	11300.00	13300.00	11600.00	17200.00	8600.00	
A	CYANIDE, TOTAL	uG/KG	509.00	7400.00 U	15400.00	8700.00	74100.00	58800.00	590000
A	FLUORIDE	MG/KG	72.50	4130.00 U	4220.00 U	3250.00 U	6240.00 U	3090.00 U	
A	NITRATE-N	MG/KG	1800.00	11000.00	15000.00	19000.00	12000.00	9600.00	
A	NITRITE	MG/KG	100.00	860.00	860.00	1200.00	1200.00	1700.00	
A	PHOSPHATE, ORTHO	MG/KG	0.00	23.00	3.80	7.50	24.00	42.00	
A	PHOSPHATE, TOTAL	MG/KG	2.60	260.00	5300.00	5700.00	68.00	220.00	
A	SULFATE	MG/KG	784.00	8530.00	8070.00	6190.00	12800.00	6380.00	
A	SULFIDE	MG/L	1.00	0.00 <8	0.00 <8	0.00 <8	0.00 <8	0.00 <8	
A	TKN-N	MG/KG	0.10 U	12100.00	15000.00	16400.00	13700.00	12200.00	
T	ALKALINITY, TOTAL	MG/KG	860.00	3000.00	1900.00	1700.00	3700.00	5500.00	
T	ASTM D 422, PARTICLE SIZE	GRAPH	0.00	0.00	0.00	0.00	0.00	0.00	
T	CONDUCTIVITY @ 25C	uMHOS	23000.00	0.00	0.00	0.00	0.00	0.00	
T	TOTAL DISSOLVED SOLIDS	MG/L	15000.00	0.00	0.00	0.00	0.00	0.00	

207 B SOUTH: ALL REPORTED DATA

	COMPOUND		WATER B SOUTH	COMPOSITE SLUDGE	NW QUADRANT SLUDGE	SW QUADRANT SLUDGE	NE QUADRANT SLUDGE	SE QUADRANT SLUDGE	CCW
	TOTAL ORGANIC CARBON	MG/L	297.00	21000.00	15000.00	23000.00	21000.00	23000.00	
	TOTAL SUSPENDED SOLIDS	%	6.00	0.00	0.00	0.00	0.00	0.00	
	pH	pH	9.20	0.00	0.00	0.00	0.00	0.00	
R	AMERICIUM 241	pCI/L	0.13 +-.11	2.40 +-.9	1.20 +-.6	0.00 <7.0	2.40 +-1.2	0.75 +-.4	
R	GROSS ALPHA	pCI/L	1600.00 +-200	150.00 +40	200.00 +-40	150.00 +-40.	220.00 +-40.	220.00 +-40	
R	GROSS BETA	pCI/L	2300.00 +-200	530.00 +50	520.00 +-50	380.00 +-50.	620.00 +-60.	730.00 +-730	
R	PLUTONIUM 239	pCI/L	0.14 +-.12	1.90 +-.5	7.40 +-.3	5.70 +-1.4	23.00 +-6.	6.90 +-.6	
R	URANIUM 234	pCI/L	760.00 +-50.	130.00 +-10	0.04 +-.02	71.00 +-2.	76.00 +-2.	160.00 +-10	
R	URANIUM 235	pCI/L	31.00 +-11.	2.90 +2.2	1.60 +-.1	2.50 +-0.4	2.50 +-0.3	5.10 +-.7	
R	URANIUM 238	pCI/L	870.00 +-60.	150.00 +-20	0.04 +-.02	80.00 +-2.	84.00 +-2.0	190.00 +-10	

U-UNDETECTED, J-DETECTED BELOW QC LIMIT, B-FOUND IN BLANK, E-LABORATORY ERROR

A-ANION; M-METAL; P-PESTICIDE, PCB, OR DIOXIN; R-RADIONUCLIDE
S-SEMIVOLATILE ORGANIC COMPOUND; V-VOLATILE ORGANIC COMPOUND; T-MISCELLANEOUS TESTS

WHERE THE CONCENTRATION IS REPORTED AS LESS THAN A GIVEN VALUE, IT APPEARS IN THIS REPORT AS 0.00 < _.__ , AS FOR SULFIDE, PHOSPHATE,
AND SOME RADIONUCLIDES
N-NITROSODIPHENYLAMINE COULD NOT BE SEPARATED FROM DIPHENYLAMINE

207 C: DETECTED COMPOUNDS

TYPE	COMPOUND	UNITS	WATER 207 C	COMPOSITE SLUDGE	NW QUADRANT SLUDGE	SW QUADRANT SLUDGE	NE QUADRANT SLUDGE	SE QUADRANT SLUDGE	CCW
V	ACETONE	uG/KG	43.00 x	50.00 B	33.00 B	110.00 B	15.00 B	40.00 B	590
V	CYCLOHEXANONE	uG/KG	950.00 U	1400.00 U	6.00 U	6.00 U	0.00	6.00 U	750
P	DIAZINON	uG/KG	2.80	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	
V	DIETHYL ETHER	uG/KG	710.00 U	1000.00 U	6.00 U	6.00 U	0.00	6.00 U	750
S 24	DINITROPHENOL	uG/KG	0.00 E	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	
V	ETHYL ACETATE	uG/KG	900.00 U	1300.00 U	6.00 U	6.00 U	0.00	6.00 U	750
S BIS 2	ETHYLHEXYL PHTHALATE	uG/KG	4.00 J	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	
V	ISO BUTYL ALCOHOL	uG/KG	810.00 U	1200.00 U	6.00 U	6.00 U	0.00	6.00 U	5000
V	METHANOL	uG/KG	780.00 U	1100.00 U	6.00 U	6.00 U	0.00	6.00 U	750
V	METHYLENE CHLORIDE	uG/KG	5.00 U	31.00 B	18.00 B	12.00 B	4.00 JB	3.00 JB	960
V	N BUTYL ALCOHOL	uG/KG	810.00 U	1200.00 U	6.00 U	6.00 U	0.00	6.00 U	5000
P	SIMAZINE	uG/KG	7.50	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	
V	TOLUENE	uG/KG	5.00 U	1.00 J	6.00 U	6.00 U	6.00 U	6.00 U	330
M	ALUMINUM	uG/KG	4000.00 U	97200.00	69500.00	1330000.00	132000.00	82400.00	
M	ANTIMONY	uG/KG	2400.00 U	13000.00 U	10100.00 U	13800.00	12100.00 U	12100.00 U	
M	ARSENIC	uG/KG	1000.00 U	2000.00 U	2200.00 U	2700.00	2000.00	2000.00 U	
M	BERYLLIUM	uG/KG	200.00 U	1100.00 U	850.00 U	17600.00	1100.00	1000.00 U	
M	BORON	uG/KG	360000.00	117000.00	78900.00	1390000.00	119000.00	103000.00	
M	CADMIUM	uG/KG	312.00	5600.00	3200.00	116000.00	5800.00	4500.00	66
M	CALCIUM	uG/KG	200000.00 U	1080000.00 U	845000.00 U	1550000.00	1010000.00 U	1010000.00 U	
M	CHROMIUM, TOTAL	uG/KG	2360.00	17600.00	16000.00	365000.00	21600.00	19200.00	5200
M	COPPER	uG/KG	6790.00	6300.00	4300.00	78000.00	5800.00	5100.00 U	
M	IRON	uG/KG	2000.00 U	36000.00	24200.00	211000.00	55400.00	34900.00	
M	LEAD	uG/KG	300.00 U	590.00 U	660.00 U	2000.00	510.00 U	610.00 U	510
M	LITHIUM	uG/KG	4000.00 U	42800.00	24000.00	108000.00	36900.00	32700.00	
M	MANGANESE	uG/KG	600.00 U	3300.00 U	2500.00 U	8700.00	3000.00 U	3000.00 U	
M	MERCURY	uG/KG	0.20 U	110.00 U	170.00	270.00	170.00	110.00 U	
M	NICKEL	uG/KG	5090.00	8700.00 U	6800.00 U	23100.00	8100.00 U	8100.00 U	320
M	POTASSIUM	uG/KG	78700000.00	273000000.00	224000000.00	16900000.00	365000000.00	327000000.00	
M	SILICON	uG/KG	30100.00	422000.00	506000.00	6990000.00	862000.00	607000.00	
M	SILVER	uG/KG	400.00 U	2200.00 U	1700.00 U	4400.00	2000.00 U	2000.00 U	72
M	SODIUM	uG/KG	102000000.00	50900000.00	36900000.00	378000000.00	49200000.00	45800000.00	
M	ZINC	uG/KG	400.00 U	5500.00	5500.00	18900.00	7300.00	4000.00 U	
A	AMMONIA	MG/KG	0.10 U	0.00	2.70	4.50	2.70 U	2.80 U	
A	BICARBONATE		4000.00	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	
A	CARBONATE	MG/KG	25000.00	0.00	0.00	0.00	0.00	0.00	
A	CHLORIDE	MG/KG	18300.00	5360.00	2860.00	6890.00	2420.00	2830.00	
A	CYANIDE, TOTAL	uG/KG	9650.00	3200.00	2200.00	5200.00	1600.00	9900.00	590000
A	FLUORIDE	MG/KG	1470.00 U	22800.00	6320.00	29800.00	11700.00	14800.00	
A	NITRATE-N	MG/KG	2600.00	97000.00	100000.00	130000.00	65000.00	100000.00	
A	NITRITE	MG/KG	2500.00	800.00	480.00	520.00	1000.00	540.00	
A	PHOSPHATE, ORTHO	MG/KG	390.00	0.00 < .5	0.00 < .5	0.00 < .5	0.00 < .5	0.00 < .5	
A	PHOSPHATE, TOTAL	MG/KG	431.00	1700.00	1600.00	3400.00	1300.00	1400.00	
A	SULFATE	MG/KG	12200.00	110000.00	28800.00	141000.00	53900.00	68300.00	
A	SULFIDE	MG/L	10.00	0.00 <8	0.00 <8	0.00 <8	0.00 <8	0.00 <8	
T	ALKALINITY, TOTAL	MG/KG	45000.00	24000.00	20000.00	17000.00	34000.00	19000.00	
T	ASTM D 422, PARTICLE SIZE	GRAPH	0.00	0.00	0.00	0.00	0.00	0.00	

207 C: DETECTED COMPOUNDS

TYPE	COMPOUND	UNITS	WATER 207 C	COMPOSITE SLUDGE	NW QUADRANT SLUDGE	SW QUADRANT SLUDGE	NE QUADRANT SLUDGE	SE QUADRANT SLUDGE	CCW
T	CONDUCTIVITY @ 25C	uMHOS	610000.00	0.00	0.00	0.00	0.00	0.00	
T	TOTAL DISSOLVED SOLIDS	MG/L	400000.00	0.00	0.00	0.00	0.00	0.00	
T	TOTAL ORGANIC CARBON	MG/L	54.90	0.00	0.00	0.00	0.00	0.00	
T	TOTAL SUSPENDED SOLIDS	%	76.00	0.00	0.00	0.00	0.00	0.00	
T	pH	pH	10.20	0.00	0.00	0.00	0.00	0.00	
R	AMERICIUM 241	pCI/L	8.60 +-.6	1.70 +-0.1	0.78 +-.05	0.01 +.004	0.56 +-.04	0.60 +-.07	
R	GROSS ALPHA	pCI/L	72000.00 -8000	18.00 +-4.	29.00 +-5	1200.00 +-100	0.00	25.00 +-7	
R	GROSS BETA	pCI/L	170000.00 10000	420.00 +-10.	500.00 +-10	0.00	390.00 +-10	420.00 +-10	
R	PLUTONIUM 239	pCI/L	670.00 +-20.	15.00 +-8.	16.00 +-5	0.00 <0.6	0.00 < 3	2.80 +-2.5	
R	URANIUM 234	pCI/L	2600.00 +-100	5.20 +-0.6	11.00 +-1	9.20 +-.6	0.06 +-.02	0.01 +.008	
R	URANIUM 235	pCI/L	120.00 +-30.	0.84 +-.25	0.36 +-.15	0.40 +-.13	0.10 +-.03	0.02 +.009	
R	URANIUM 238	pCI/L	3900.00 +-200	31.00 +-1.	16.00 +-1	14.00 +-1	5.30 +-.2	1.30 +-0.1	

U-UNDETECTED, J-DETECTED BELOW QC LIMIT, B-FOUND IN BLANK, E-LABORATORY ERROR

A-ANION; M-METAL; P-PESTICIDE, PCB, OR DIOXIN; R-RADIONUCLIDE
S-SEMIVOLATILE ORGANIC COMPOUND; V-VOLATILE ORGANIC COMPOUND; T-MISCELLANEOUS TESTS

WHERE THE CONCENTRATION IS REPORTED AS LESS THAN A GIVEN VALUE, IT APPEARS IN THIS REPORT AS 0.00 < _.__ , AS FOR SULFIDE, PHOSPHATE, AND SOME RADIONUCLIDES
N-NITROSODIPHENYLAMINE COULD NOT BE SEPARATED FROM DIPHENYLAMINE

207 C: CCW COMPARISON

THE CONSTITUENT CONCENTRATION IN THE WASTE (CCW) LEVEL IS EXCEEDED
BY THE DETECTION LIMIT OR THE CONCENTRATION IN THE FOLLOWING COMPOUNDS

COMPOUND	CCW	LIQUID	SLUDGE COMPOSITE	SLUDGE NW QUADRANT	SLUDGE SW QUADRANT	SLUDGE NE QUADRANT	SLUDGE SE QUADRANT
CYCLOHEXANONE	750	950.00 U	1400.00 U	6.00 U	6.00 U	0.00	6.00 U
DIETHYL ETHER	750	710.00 U	1000.00 U	6.00 U	6.00 U	0.00	6.00 U
ETHYL ACETATE	750	900.00 U	1300.00 U	6.00 U	6.00 U	0.00	6.00 U
METHANOL	750	780.00 U	1100.00 U	6.00 U	6.00 U	0.00	6.00 U
CADMIUM	66	312.00	5600.00	3200.00	116000.00	5800.00	4500.00
CHROMIUM, TOTAL	5200	2360.00	17600.00	16000.00	365000.00	21600.00	19200.00
LEAD	510	300.00 U	590.00 U	660.00 U	2000.00	510.00 U	610.00 U
NICKEL	320	5090.00	8700.00 U	6800.00 U	23100.00	8100.00 U	8100.00 U
SILVER	72	400.00 U	2200.00 U	1700.00 U	4400.00	2000.00 U	2000.00 U

IF NO COMPOUNDS ARE LISTED, NONE ARE ABOVE THE CCW
U-UNDETECTED, J-DETECTED BELOW QC LIMIT, B-FOUND IN BLANK

207 C: ALL REPORTED DATA

TYPE		COMPOUND	UNITS	WATER 207 C	COMPOSITE SLUDGE	NW QUADRANT SLUDGE	SW QUADRANT SLUDGE	NE QUADRANT SLUDGE	SE QUADRANT SLUDGE	CCW
S		ACENAPHTHENE	uG/KG	10.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	
S		ACENAPHTHYLENE	uG/KG	10.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	
V		ACETONE	uG/KG	43.00 x	50.00 B	33.00 B	110.00 B	15.00 B	40.00 B	590
V		ACRYLONITRILE	uG/KG	10.00 U	11.00 U	11.00 U	13.00 U	11.00 U	11.00 U	
P		ALDRIN	uG/KG	2.60 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	
S		ANTHRACENE	uG/KG	10.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	
P		AROCLOR 1016	uG/KG	26.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	
P		AROCLOR 1221	uG/KG	26.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	
P		AROCLOR 1232	uG/KG	26.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	
P		AROCLOR 1242	uG/KG	26.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	
P		AROCLOR 1248	uG/KG	26.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	
P		AROCLOR 1254	uG/KG	41.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	
P		AROCLOR 1260	uG/KG	41.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	
P		ATRAZINE	uG/KG	0.51 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	
V		BENZENE	uG/KG	5.00 U	6.00 U	6.00 U	6.00 U	6.00 U	6.00 U	3700
S		BENZO(A)ANTHRACENE	uG/KG	10.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	
S		BENZO(A)PYRENE	uG/KG	10.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	
S		BENZO(B)FLUORANTHENE	uG/KG	10.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	
S		BENZO(G,H,I)PERYLENE	uG/KG	10.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	
S		BENZO(K)FLUORANTHENE	uG/KG	10.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	
S		BENZOIC ACID	uG/KG	51.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	
S		BENZYL ALCOHOL	uG/KG	10.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	
V		BROMODICHLOROMETHANE	uG/KG	5.00 U	6.00 U	6.00 U	6.00 U	6.00 U	6.00 U	
V		BROMOFORM	uG/KG	5.00 U	6.00 U	6.00 U	6.00 U	6.00 U	6.00 U	
V		BROMOMETHANE	uG/KG	10.00 U	11.00 U	11.00 U	13.00 U	11.00 U	11.00 U	
S	4	BROMOPHENYL-PHENYL ETHER	uG/KG	10.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	
V	2	BUTANONE	uG/KG	10.00 U	11.00 U	11.00 U	13.00 U	11.00 U	11.00 U	
S		BUTYLBENZYLPHTHALATE	uG/KG	10.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	
V		CARBON DISULFIDE	uG/KG	5.00 U	6.00 U	6.00 U	6.00 U	6.00 U	6.00 U	4810
V		CARBON TETRACHLORIDE	uG/KG	5.00 U	6.00 U	6.00 U	6.00 U	6.00 U	6.00 U	960
P		CHLORDANE, ALPHA	uG/KG	26.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	
P		CHLORDANE, GAMMA	uG/KG	26.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	
S	4	CHLORO-3-METHYLPHENOL	uG/KG	10.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	
S	4	CHLOROANILINE	uG/KG	10.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	
V		CHLOROBENZENE	uG/KG	5.00 U	6.00 U	6.00 U	6.00 U	6.00 U	6.00 U	50
V		CHLOROETHANE	uG/KG	10.00 U	11.00 U	11.00 U	13.00 U	11.00 U	11.00 U	
S	BIS 2	CHLOROETHOXYMETHANE	uG/KG	10.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	
S	BIS 2	CHLOROETHYLETHER	uG/KG	10.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	
V		CHLOROFORM	uG/KG	5.00 U	6.00 U	6.00 U	6.00 U	6.00 U	6.00 U	
S	BIS 2	CHLOROISOPROPYL ETHER	uG/KG	10.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	
V		CHLOROMETHANE	uG/KG	10.00 U	11.00 U	11.00 U	13.00 U	11.00 U	11.00 U	
S	2	CHLORONAPHTHALENE	uG/KG	10.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	
S	2	CHLOROPHENOL	uG/KG	10.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	
S	4	CHLOROPHENYL-PHENYLETHER	uG/KG	10.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	
S		CHRYSENE	uG/KG	10.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	
V		CYCLOHEXANONE	uG/KG	950.00 U	1400.00 U	6.00 U	6.00 U	0.00	6.00 U	750
P	44	DDD	uG/KG	5.20 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	
P	44	DDE	uG/KG	5.20 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	

207 C: ALL REPORTED DATA

TYPE		COMPOUND	UNITS	WATER 207 C	COMPOSITE SLUDGE	NW QUADRANT SLUDGE	SW QUADRANT SLUDGE	NE QUADRANT SLUDGE	SE QUADRANT SLUDGE	CCW
P	44	DDT	uG/KG	5.20 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	
S		DI-N-BUTYLPHTHALATE	uG/KG	10.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	
S		DI-N-OCTYL PHTHALATE	uG/KG	10.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	
P		DIAZINON	uG/KG	2.80	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	
S		DIBENZO(A,H)ANTHRACENE	uG/KG	10.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	
S		DIBENZOFURAN	uG/KG	10.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	
V		DIBROMOCHLOROMETHANE	uG/KG	5.00 U	6.00 U	6.00 U	6.00 U	6.00 U	6.00 U	
S	13	DICHLOROBENZENE	uG/KG	10.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	
S	14	DICHLOROBENZENE	uG/KG	10.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	
S	12	DICHLOROBENZENE	uG/KG	10.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	125
S	33	DICHLOROBENZIDINE	uG/KG	20.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	
V	12	DICHLOROETHANE	uG/KG	5.00 U	6.00 U	6.00 U	6.00 U	6.00 U	6.00 U	
V	11	DICHLOROETHANE	uG/KG	5.00 U	6.00 U	6.00 U	6.00 U	6.00 U	6.00 U	
V	11	DICHLOROETHENE	uG/KG	5.00 U	6.00 U	6.00 U	6.00 U	6.00 U	6.00 U	
V	12	DICHLOROETHENE(TOTAL)	uG/KG	5.00 U	6.00 U	6.00 U	6.00 U	6.00 U	6.00 U	
S	24	DICHLOROPHENOL	uG/KG	10.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	
V	12	DICHLOROPROPANE	uG/KG	5.00 U	6.00 U	6.00 U	6.00 U	6.00 U	6.00 U	
V	TRANS 13	DICHLOROPROPENE	uG/KG	5.00 U	6.00 U	6.00 U	6.00 U	6.00 U	6.00 U	
V	CIS 13	DICHLOROPROPENE	uG/KG	5.00 U	6.00 U	6.00 U	6.00 U	6.00 U	6.00 U	
P		DIELDRIN	uG/KG	5.20 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	
V		DIETHYL ETHER	uG/KG	710.00 U	1000.00 U	6.00 U	6.00 U	0.00	6.00 U	750
S		DIETHYL PHTHALATE	uG/KG	10.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	
S		DIMETHYL PHTHALATE	uG/KG	10.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	
S	24	DIMETHYLPHENOL	uG/KG	10.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	
S	46	DINITRO-2-METHYLPHENOL	uG/KG	51.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	
S	24	DINITROPHENOL	uG/KG	0.00 E	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	
S	26	DINITROTOLUENE	uG/KG	10.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	
S	24	DINITROTOLUENE	uG/KG	10.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	
P		DIOXIN (2,3,7,8 TCDD)	nG/KG	3.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	
P		ENDOSULFAN I	uG/KG	2.60 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	
P	44	ENDOSULFAN II	uG/KG	5.20 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	
P	44	ENDOSULFAN SULFATE	uG/KG	5.20 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	
P	44	ENDRIN	uG/KG	5.20 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	
P	44	ENDRIN KETONE	uG/KG	5.20 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	
V		ETHYL ACETATE	uG/KG	900.00 U	1300.00 U	6.00 U	6.00 U	0.00	6.00 U	750
V		ETHYL BENZENE	uG/KG	5.00 U	6.00 U	6.00 U	6.00 U	6.00 U	6.00 U	53
S	BIS 2	ETHYLHEXYL PHTHALATE	uG/KG	4.00 J	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	
S		FLUORANTHENE	uG/KG	10.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	
S		FLUORENE	uG/KG	10.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	
P		HEPTACHLOR	uG/KG	2.60 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	
P		HEPTACHLOR EPOXIDE	uG/KG	2.60 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	
S		HEXACHLOROBENZENE	uG/KG	10.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	
S		HEXACHLOROBUTADIENE	uG/KG	10.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	
P		HEXACHLOROCYCLOHEXANE, ALPHA	uG/KG	2.60 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	
P		HEXACHLOROCYCLOHEXANE, BETA	uG/KG	2.60 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	

207 C: ALL REPORTED DATA

TYPE		COMPOUND	UNITS	WATER 207 C	COMPOSITE SLUDGE	NW QUADRANT SLUDGE	SW QUADRANT SLUDGE	NE QUADRANT SLUDGE	SE QUADRANT SLUDGE	CCW
P		HEXACHLOROCYCLOHEXANE, DELTA	uG/KG	2.60 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	
P		HEXACHLOROCYCLOHEXANE, GAMMA	uG/KG	2.60 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	
S		HEXACHLOROCYCLOPENTADIENE	uG/KG	10.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	
S		HEXACHLOROETHANE	uG/KG	10.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	
V	2	HEXANONE	uG/KG	10.00 U	11.00 U	11.00 U	13.00 U	11.00 U	11.00 U	
S		INDENO(1,2,3-CD)PYRENE	uG/KG	10.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	
V		ISO BUTYL ALCOHOL	uG/KG	810.00 U	1200.00 U	6.00 U	6.00 U	0.00	6.00 U	5000
S		ISOPHORONE	uG/KG	10.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	
V		METHANOL	uG/KG	780.00 U	1100.00 U	6.00 U	6.00 U	0.00	6.00 U	750
P		METHOXYCHLOR	uG/KG	26.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	
S	2	METHYL NAPHTHALENE	uG/KG	10.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	
P		METHYL PARATHION	uG/KG	0.51 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	
V	4	METHYL-2-PENTANONE	uG/KG	10.00 U	11.00 U	11.00 U	13.00 U	11.00 U	11.00 U	
V		METHYLENE CHLORIDE	uG/KG	5.00 U	31.00 B	18.00 B	12.00 B	4.00 JB	3.00 JB	960
S	2	METHYLPHENOL(O-CRESOL)	uG/KG	10.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	
S	4	METHYLPHENOL(P-CRESOL)	uG/KG	10.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	
V		N BUTYL ALCOHOL	uG/KG	810.00 U	1200.00 U	6.00 U	6.00 U	0.00	6.00 U	5000
S		N-NITROSO-DI-PROPYLAMINE	uG/KG	10.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	
S		N-NITROSODIPHENYLAMINE	uG/KG	10.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	
S		NAPHTHALENE	uG/KG	10.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	
S	4	NITROANILINE	uG/KG	51.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	
S	2	NITROANILINE	uG/KG	51.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	
S	3	NITROBENZENE	uG/KG	10.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	
S	2	NITROPHENOL	uG/KG	10.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	
S	4	NITROPHENOL	uG/KG	51.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	
S		PENTACHLOROPHENOL	uG/KG	51.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	
S		PHENANTHRENE	uG/KG	10.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	
S		PHENOL	uG/KG	10.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	
S		PYRENE	uG/KG	10.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	
P		SIMAZINE	uG/KG	7.50	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	
V		STYRENE	uG/KG	5.00 U	6.00 U	6.00 U	6.00 U	6.00 U	6.00 U	
V	1122	TETRACHLOROETHANE	uG/KG	5.00 U	6.00 U	6.00 U	6.00 U	6.00 U	6.00 U	
V		TETRACHLOROETHENE	uG/KG	5.00 U	6.00 U	6.00 U	6.00 U	6.00 U	11.00 U	50
V		TOLUENE	uG/KG	5.00 U	1.00 J	6.00 U	6.00 U	6.00 U	6.00 U	330
P		TOXAPHENE	uG/KG	41.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	
S	124	TRICHLOROBENZENE	uG/KG	10.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	
V	111	TRICHLOROETHANE	uG/KG	5.00 U	6.00 U	6.00 U	6.00 U	6.00 U	6.00 U	410
V	112	TRICHLOROETHANE	uG/KG	5.00 U	6.00 U	6.00 U	6.00 U	6.00 U	6.00 U	7600
V		TRICHLOROETHENE	uG/KG	5.00 U	6.00 U	6.00 U	6.00 U	6.00 U	6.00 U	91
V		TRICHLOROFLUOROMETHANE	uG/KG	5.00 U	6.00 U	6.00 U	6.00 U	6.00 U	6.00 U	960
S	245	TRICHLOROPHENOL	uG/KG	51.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	
S	246	TRICHLOROPHENOL	uG/KG	10.00 U	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	
V	112	TRICHLOROTRIFLUOROETHANE	uG/KG	10.00 U	11.00 U	11.00 U	13.00 U	11.00 U	11.00 U	960
V		VINYL ACETATE	uG/KG	10.00 U	11.00 U	11.00 U	13.00 U	11.00 U	11.00 U	
V		VINYL CHLORIDE	uG/KG	10.00 U	11.00 U	11.00 U	13.00 U	11.00 U	11.00 U	

207 C: ALL REPORTED DATA

TYPE	COMPOUND	UNITS	WATER 207 C	COMPOSITE SLUDGE	NW QUADRANT SLUDGE	SW QUADRANT SLUDGE	NE QUADRANT SLUDGE	SE QUADRANT SLUDGE	CCW
V	XYLENES (TOTAL)	uG/KG	5.00 U	6.00 U	6.00 U	6.00 U	6.00 U	6.00 U	150
M	ALUMINUM	uG/KG	4000.00 U	97200.00	69500.00	1330000.00	132000.00	82400.00	
M	ANTIMONY	uG/KG	2400.00 U	13000.00 U	10100.00 U	13800.00	12100.00 U	12100.00 U	
M	ARSENIC	uG/KG	1000.00 U	2000.00 U	2200.00 U	2700.00	2000.00	2000.00 U	
M	BARIUM	uG/KG	8000.00 U	43300.00 U	33800.00 U	42800.00 U	40400.00 U	40500.00 U	
M	BERYLLIUM	uG/KG	200.00 U	1100.00 U	850.00 U	17600.00	1100.00	1000.00 U	
M	BORON	uG/KG	360000.00	117000.00	78900.00	1390000.00	119000.00	103000.00	
M	CADMIUM	uG/KG	312.00	5600.00	3200.00	116000.00	5800.00	4500.00	66
M	CALCIUM	uG/KG	200000.00 U	1080000.00 U	845000.00 U	1550000.00	1010000.00 U	1010000.00 U	
M	CHROMIUM, TOTAL	uG/KG	2360.00	17600.00	16000.00	365000.00	21600.00	19200.00	5200
M	COBALT	uG/KG	1000.00 U	10800.00 U	8500.00 U	10700.00 U	10100.00 U	10100.00 U	
M	COPPER	uG/KG	6790.00	6300.00	4300.00	78000.00	5800.00	5100.00 U	
M	IRON	uG/KG	2000.00 U	36000.00	24200.00	211000.00	55400.00	34900.00	
M	LEAD	uG/KG	300.00 U	590.00 U	660.00 U	2000.00	510.00 U	610.00 U	510
M	LITHIUM	uG/KG	4000.00 U	42800.00	24000.00	108000.00	36900.00	32700.00	
M	MAGNESIUM	uG/KG	200000.00 U	1080000.00 U	845000.00 U	1070000.00 U	1010000.00 U	1010000.00 U	
M	MANGANESE	uG/KG	600.00 U	3300.00 U	2500.00 U	8700.00	3000.00 U	3000.00 U	
M	MERCURY	uG/KG	0.20 U	110.00 U	170.00	270.00	170.00	110.00 U	
M	MOLYBDENUM	uG/KG	4000.00 U	21700.00 U	16900.00 U	21400.00 U	20200.00 U	20200.00 U	
M	NICKEL	uG/KG	5090.00	8700.00 U	6800.00 U	23100.00	8100.00 U	8100.00 U	320
M	POTASSIUM	uG/KG	78700000.00	273000000.00	224000000.00	16900000.00	365000000.00	327000000.00	
M	SELENIUM	uG/KG	500.00 U	9900.00 U	1100.00 U	1300.00 U	8500.00 U	10100.00 U	
M	SILICON	uG/KG	30100.00	422000.00	506000.00	6990000.00	862000.00	607000.00	
M	SILVER	uG/KG	400.00 U	2200.00 U	1700.00 U	4400.00	2000.00 U	2000.00 U	72
M	SODIUM	uG/KG	102000000.00	50900000.00	36900000.00	378000000.00	49200000.00	45800000.00	
M	STRONTIUM	uG/KG	4000.00 U	21700.00 U	16900.00 U	21400.00 U	20200.00 U	20200.00 U	
M	THALLIUM	uG/KG	1000.00 U	2000.00 U	2200.00 U	2600.00 U	1700.00 U	2000.00 U	
M	TIN	uG/KG	4000.00 U	21700.00 U	16900.00 U	21400.00 U	20200.00 U	20200.00 U	
M	VANADIUM	uG/KG	2000.00 U	10800.00 U	8500.00 U	10700.00 U	10100.00 U	10100.00 U	
M	ZINC	uG/KG	400.00 U	5500.00	5500.00	18900.00	7300.00	4000.00 U	
A	AMMONIA	MG/KG	0.10 U	0.00	2.70	4.50	2.70 U	2.80 U	
A	BICARBONATE		4000.00	0.00 U	0.00 U	0.00 U	0.00 U	0.00 U	
A	CARBONATE	MG/KG	25000.00	0.00	0.00	0.00	0.00	0.00	
A	CHLORIDE	MG/KG	18300.00	5360.00	2860.00	6890.00	2420.00	2830.00	
A	CYANIDE, TOTAL	uG/KG	9650.00	3200.00	2200.00	5200.00	1600.00	9900.00	590000
A	FLUORIDE	MG/KG	1470.00 U	22800.00	6320.00	29800.00	11700.00	14800.00	
A	NITRATE-N	MG/KG	2600.00	97000.00	100000.00	130000.00	65000.00	100000.00	
A	NITRITE	MG/KG	2500.00	800.00	480.00	520.00	1000.00	540.00	
A	PHOSPHATE, ORTHO	MG/KG	390.00	0.00 < .5	0.00 < .5	0.00 < .5	0.00 < .5	0.00 < .5	
A	PHOSPHATE, TOTAL	MG/KG	431.00	1700.00	1600.00	3400.00	1300.00	1400.00	
A	SULFATE	MG/KG	12200.00	110000.00	28800.00	141000.00	53900.00	68300.00	
A	SULFIDE	MG/L	10.00	0.00 <8	0.00 <8	0.00 <8	0.00 <8	0.00 <8	
A	TKN-N	MG/KG	0.50 U	25.90 U	27.10 U	24.50 U	23.50 U	22.10 U	
T	ALKALINITY, TOTAL	MG/KG	45000.00	24000.00	20000.00	17000.00	34000.00	19000.00	
T	ASTM D 422, PARTICLE SIZE	GRAPH	0.00	0.00	0.00	0.00	0.00	0.00	
T	CONDUCTIVITY @ 25C	UMHOS	610000.00	0.00	0.00	0.00	0.00	0.00	
T	TOTAL DISSOLVED SOLIDS	MG/L	400000.00	0.00	0.00	0.00	0.00	0.00	

207 C: ALL REPORTED DATA

TYPE	COMPOUND	UNITS	WATER 207 C	COMPOSITE SLUDGE	NW QUADRANT SLUDGE	SW QUADRANT SLUDGE	NE QUADRANT SLUDGE	SE QUADRANT SLUDGE	CCW
T	TOTAL ORGANIC CARBON	MG/L	54.90	0.00	0.00	0.00	0.00	0.00	
T	TOTAL SUSPENDED SOLIDS	%	76.00	0.00	0.00	0.00	0.00	0.00	
T	pH	pH	10.20	0.00	0.00	0.00	0.00	0.00	
R	AMERICIUM 241	pCI/L	8.60 +-.6	1.70 +-0.1	0.78 +-.05	0.01 +.004	0.56 +-.04	0.60 +-.07	
R	GROSS ALPHA	pCI/L	72000.00 -8000	18.00 +-4.	29.00 +-5	1200.00 +-100	0.00	25.00 +-7	
R	GROSS BETA	pCI/L	170000.00 10000	420.00 +-10.	500.00 +-10	0.00	390.00 +-10	420.00 +-10	
R	PLUTONIUM 239	pCI/L	670.00 +-20.	15.00 +-8.	16.00 +-5	0.00 <0.6	0.00 < 3	2.80 +-2.5	
R	URANIUM 234	pCI/L	2600.00 +-100	5.20 +-0.6	11.00 +-1	9.20 +-.6	0.06 +-.02	0.01 +.008	
R	URANIUM 235	pCI/L	120.00 +-30.	0.84 +-.25	0.36 +-.15	0.40 +-.13	0.10 +-.03	0.02 +.009	
R	URANIUM 238	pCI/L	3900.00 +-200	31.00 +-1.	16.00 +-1	14.00 +-1	5.30 +-.2	1.30 +-0.1	

U-UNDETECTED, J-DETECTED BELOW QC LIMIT, B-FOUND IN BLANK, E-LABORATORY ERROR

A-ANION; M-METAL; P-PESTICIDE, PCB, OR DIOXIN; R-RADIONUCLIDE
S-SEMIVOLATILE ORGANIC COMPOUND; V-VOLATILE ORGANIC COMPOUND; T-MISCELLANEOUS TESTS

WHERE THE CONCENTRATION IS REPORTED AS LESS THAN A GIVEN VALUE, IT APPEARS IN THIS REPORT AS 0.00 < _.__ , AS FOR SULFIDE, PHOSPHATE, AND SOME RADIONUCLIDES
N-NITROSODIPHENYLAMINE COULD NOT BE SEPARATED FROM DIPHENYLAMINE

207 C: ZERO VALUES INDICATE MISSING DATA OR ANALYSIS NOT PERFORMED

ISOMER	COMPOUND	CL	CCS	CNW	CSW	CNE	CSE
	CYCLOHEXANONE	950.00	1400.00	6.00	6.00	0.00	6.00
	DIETHYL ETHER	710.00	1000.00	6.00	6.00	0.00	6.00
	ETHYL ACETATE	900.00	1300.00	6.00	6.00	0.00	6.00
	ISO BUTYL ALCOHOL	810.00	1200.00	6.00	6.00	0.00	6.00
	METHANOL	780.00	1100.00	6.00	6.00	0.00	6.00
	N BUTYL ALCOHOL	810.00	1200.00	6.00	6.00	0.00	6.00
	ACENAPHTHENE	10.00	0.00	0.00	0.00	0.00	0.00
	ACENAPHTHYLENE	10.00	0.00	0.00	0.00	0.00	0.00
	ANTHRACENE	10.00	0.00	0.00	0.00	0.00	0.00
	BENZOIC ACID	51.00	0.00	0.00	0.00	0.00	0.00
	BENZO(A)ANTHRACENE	10.00	0.00	0.00	0.00	0.00	0.00
	BENZO(A)PYRENE	10.00	0.00	0.00	0.00	0.00	0.00
	BENZO(B)FLUORANTHENE	10.00	0.00	0.00	0.00	0.00	0.00
	BENZO(G,H,I)PERYLENE	10.00	0.00	0.00	0.00	0.00	0.00
	BENZO(K)FLUORANTHENE	10.00	0.00	0.00	0.00	0.00	0.00
	BENZYL ALCOHOL	10.00	0.00	0.00	0.00	0.00	0.00
4	BROMOPHENYL-PHENYL ETHER	10.00	0.00	0.00	0.00	0.00	0.00
	BUTYLBENZYLPHTHALATE	10.00	0.00	0.00	0.00	0.00	0.00
4	CHLORO-3-METHYLPHENOL	10.00	0.00	0.00	0.00	0.00	0.00
4	CHLOROANILINE	10.00	0.00	0.00	0.00	0.00	0.00
BIS 2	CHLOROETHOXYMETHANE	10.00	0.00	0.00	0.00	0.00	0.00
BIS 2	CHLOROETHYLETHER	10.00	0.00	0.00	0.00	0.00	0.00
BIS 2	CHLOROISOPROPYL ETHER	10.00	0.00	0.00	0.00	0.00	0.00
2	CHLORONAPHTHALENE	10.00	0.00	0.00	0.00	0.00	0.00
2	CHLOROPHENOL	10.00	0.00	0.00	0.00	0.00	0.00
4	CHLOROPHENYL-PHENYLETHER	10.00	0.00	0.00	0.00	0.00	0.00
	CHRYSENE	10.00	0.00	0.00	0.00	0.00	0.00
	DIBENZOFURAN	10.00	0.00	0.00	0.00	0.00	0.00
	DIBENZO(A,H)ANTHRACENE	10.00	0.00	0.00	0.00	0.00	0.00
13	DICHLOROBENZENE	10.00	0.00	0.00	0.00	0.00	0.00
14	DICHLOROBENZENE	10.00	0.00	0.00	0.00	0.00	0.00
12	DICHLOROBENZENE	10.00	0.00	0.00	0.00	0.00	0.00
33	DICHLOROBENZIDINE	20.00	0.00	0.00	0.00	0.00	0.00
24	DICHLOROPHENOL	10.00	0.00	0.00	0.00	0.00	0.00
	DIETHYL PHTHALATE	10.00	0.00	0.00	0.00	0.00	0.00
	DIMETHYL PHTHALATE	10.00	0.00	0.00	0.00	0.00	0.00
24	DIMETHYLPHENOL	10.00	0.00	0.00	0.00	0.00	0.00
	DI-N-BUTYLPHTHALATE	10.00	0.00	0.00	0.00	0.00	0.00
46	DINITRO-2-METHYLPHENOL	51.00	0.00	0.00	0.00	0.00	0.00
24	DINITROPHENOL	0.00	0.00	0.00	0.00	0.00	0.00
26	DINITROTOLUENE	10.00	0.00	0.00	0.00	0.00	0.00
24	DINITROTOLUENE	10.00	0.00	0.00	0.00	0.00	0.00
	DI-N-OCTYL PHTHALATE	10.00	0.00	0.00	0.00	0.00	0.00
BIS 2	ETHYLHEXYL PHTHALATE	4.00	0.00	0.00	0.00	0.00	0.00
	FLUORANTHENE	10.00	0.00	0.00	0.00	0.00	0.00
	FLUORENE	10.00	0.00	0.00	0.00	0.00	0.00
	HEXACHLOROBENZENE	10.00	0.00	0.00	0.00	0.00	0.00
	HEXACHLOROBUTADIENE	10.00	0.00	0.00	0.00	0.00	0.00
	HEXACHLOROCYCLOPENTADIENE	10.00	0.00	0.00	0.00	0.00	0.00
	HEXACHLOROETHANE	10.00	0.00	0.00	0.00	0.00	0.00
	INDENO(1,2,3-CD)PYRENE	10.00	0.00	0.00	0.00	0.00	0.00
	ISOPHORONE	10.00	0.00	0.00	0.00	0.00	0.00
2	METHYL NAPHTHALENE	10.00	0.00	0.00	0.00	0.00	0.00
2	METHYLPHENOL(O-CRESOL)	10.00	0.00	0.00	0.00	0.00	0.00
4	METHYLPHENOL(P-CRESOL)	10.00	0.00	0.00	0.00	0.00	0.00
	NAPHTHALENE	10.00	0.00	0.00	0.00	0.00	0.00
4	NITROANILINE	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	[illegible]	0.00		[illegible]	0	00	0.
4	NI[illegible]OL	51.00	0.00	0.0[illegible]	0.00	0.00	0.00
	N-NITROSODIPHENYLAMINE	10.00	0.00	0.00	0.00	0.00	0.00
	N-NITROSO-DI-PROPYLAMINE	10.00	0.00	0.00	0.00	0.00	0.00
	PENTACHLOROPHENOL	51.00	0.00	0.00	0.00	0.00	0.00
	PHENANTHRENE	10.00	0.00	0.00	0.00	0.00	0.00
	PHENOL	10.00	0.00	0.00	0.00	0.00	0.00
	PYRENE	10.00	0.00	0.00	0.00	0.00	0.00
124	TRICHLOROBENZENE	10.00	0.00	0.00	0.00	0.00	0.00
245	TRICHLOROPHENOL	51.00	0.00	0.00	0.00	0.00	0.00
246	TRICHLOROPHENOL	10.00	0.00	0.00	0.00	0.00	0.00
	ALDRIN	2.60	0.00	0.00	0.00	0.00	0.00
	HEPTACHLOR EPOXIDE	2.60	0.00	0.00	0.00	0.00	0.00
	ENDOSULFAN I	2.60	0.00	0.00	0.00	0.00	0.00
44	DDD	5.20	0.00	0.00	0.00	0.00	0.00
44	DDE	5.20	0.00	0.00	0.00	0.00	0.00
44	ENDRIN	5.20	0.00	0.00	0.00	0.00	0.00
44	ENDOSULFAN II	5.20	0.00	0.00	0.00	0.00	0.00
44	ENDOSULFAN SULFATE	5.20	0.00	0.00	0.00	0.00	0.00
44	ENDRIN KETONE	5.20	0.00	0.00	0.00	0.00	0.00
	METHOXYCHLOR	26.00	0.00	0.00	0.00	0.00	0.00
	TOXAPHENE	41.00	0.00	0.00	0.00	0.00	0.00
	AROCLOR 1016	26.00	0.00	0.00	0.00	0.00	0.00
	AROCLOR 1221	26.00	0.00	0.00	0.00	0.00	0.00
	AROCLOR 1232	26.00	0.00	0.00	0.00	0.00	0.00
	AROCLOR 1242	26.00	0.00	0.00	0.00	0.00	0.00
	AROCLOR 1248	26.00	0.00	0.00	0.00	0.00	0.00
	AROCLOR 1254	41.00	0.00	0.00	0.00	0.00	0.00
	AROCLOR 1260	41.00	0.00	0.00	0.00	0.00	0.00
	ATRAZINE	0.51	0.00	0.00	0.00	0.00	0.00
	CHLORDANE, ALPHA	26.00	0.00	0.00	0.00	0.00	0.00
	CHLORDANE, GAMMA	26.00	0.00	0.00	0.00	0.00	0.00
44	DDT	5.20	0.00	0.00	0.00	0.00	0.00
	DIAZINON	2.80	0.00	0.00	0.00	0.00	0.00
	DIELDRIN	5.20	0.00	0.00	0.00	0.00	0.00
	DIOXIN (2,3,7,8 TCDD)	3.00	0.00	0.00	0.00	0.00	0.00
	HEPTACHLOR	2.60	0.00	0.00	0.00	0.00	0.00
	HEXACHLOROCYCLOHEXANE, ALPHA	2.60	0.00	0.00	0.00	0.00	0.00
	HEXACHLOROCYCLOHEXANE, BETA	2.60	0.00	0.00	0.00	0.00	0.00
	HEXACHLOROCYCLOHEXANE, DELTA	2.60	0.00	0.00	0.00	0.00	0.00
	HEXACHLOROCYCLOHEXANE, GAMMA	2.60	0.00	0.00	0.00	0.00	0.00
	METHYL PARATHION	0.51	0.00	0.00	0.00	0.00	0.00
	SIMAZINE	7.50	0.00	0.00	0.00	0.00	0.00
	AMMONIA	0.10	0.00	2.70	4.50	2.70	2.80
	ASTM D 422, PARTICLE SIZE	0.00	0.00	0.00	0.00	0.00	0.00
	CARBONATE	25000.00	0.00	0.00	0.00	0.00	0.00
	BICARBONATE	4000.00	0.00	0.00	0.00	0.00	0.00
	CONDUCTIVITY @ 25C	610000.00	0.00	0.00	0.00	0.00	0.00
	pH	10.20	0.00	0.00	0.00	0.00	0.00
	PHOSPHATE, ORTHO	390.00	0.00	0.00	0.00	0.00	0.00
	SULFIDE	10.00	0.00	0.00	0.00	0.00	0.00
	TOTAL DISSOLVED SOLIDS	400000.00	0.00	0.00	0.00	0.00	0.00
	TOTAL ORGANIC CARBON	54.90	0.00	0.00	0.00	0.00	0.00
	TOTAL SUSPENDED SOLIDS	76.00	0.00	0.00	0.00	0.00	0.00
	GROSS ALPHA	72000.00	18.00	29.00	1200.00	0.00	25.00
	GROSS BETA	170000.00	420.00	500.00	0.00	390.00	420.00
	PLUTONIUM 239	670.00	15.00	16.00	0.00	0.00	2.80

U-UNDETECTED, J-DETECTED BELOW QC LIMIT, B-FOUND IN BLANK

ALL WATER ANALYSIS FOR 207 A AND 207 C PONDS

TYPE	ISOMER	COMPOUND	UNITS	A WATER	C WATER	CCW
S		ACENAPHTHENE	uG/KG	10.00 U	10.00 U	
S		ACENAPHTHYLENE	uG/KG	10.00 U	10.00 U	
V		ACETONE	uG/KG	3.00 JB	43.00 x	590
V		ACRYLONITRILE	uG/KG	10.00 U	10.00 U	
P		ALDRIN	uG/KG	0.10 U	2.60 U	
S		ANTHRACENE	uG/KG	10.00 U	10.00 U	
P		AROCLOR 1016	uG/KG	1.00 U	26.00 U	
P		AROCLOR 1221	uG/KG	1.00 U	26.00 U	
P		AROCLOR 1232	uG/KG	1.00 U	26.00 U	
P		AROCLOR 1242	uG/KG	1.00 U	26.00 U	
P		AROCLOR 1248	uG/KG	1.00 U	26.00 U	
P		AROCLOR 1254	uG/KG	2.00 U	41.00 U	
P		AROCLOR 1260	uG/KG	2.00 U	41.00 U	
P		ATRAZINE	uG/KG	3.50	0.51 U	
V		BENZENE	uG/KG	5.00 U	5.00 U	3700
S		BENZO(A)ANTHRACENE	uG/KG	10.00 U	10.00 U	
S		BENZO(A)PYRENE	uG/KG	10.00 U	10.00 U	
S		BENZO(B)FLUORANTHENE	uG/KG	10.00 U	10.00 U	
S		BENZO(G,H,I)PERYLENE	uG/KG	10.00 U	10.00 U	
S		BENZO(K)FLUORANTHENE	uG/KG	10.00 U	10.00 U	
S		BENZOIC ACID	uG/KG	52.00 U	51.00 U	
S		BENZYL ALCOHOL	uG/KG	10.00 U	10.00 U	
V		BROMODICHLOROMETHANE	uG/KG	5.00 U	5.00 U	
V		BROMOFORM	uG/KG	5.00 U	5.00 U	
V		BROMOMETHANE	uG/KG	10.00 U	10.00 U	
S	4	BROMOPHENYL-PHENYL ETHER	uG/KG	10.00 U	10.00 U	
V	2	BUTANONE	uG/KG	10.00 U	10.00 U	
S		BUTYLBENZYLPHTHALATE	uG/KG	10.00 U	10.00 U	
V		CARBON DISULFIDE	uG/KG	5.00 U	5.00 U	4810
V		CARBON TETRACHLORIDE	uG/KG	5.00 U	5.00 U	960
P		CHLORDANE, ALPHA	uG/KG	1.00 U	26.00 U	
P		CHLORDANE, GAMMA	uG/KG	1.00 U	26.00 U	
S	4	CHLORO-3-METHYLPHENOL	uG/KG	10.00 U	10.00 U	
S	4	CHLOROANILINE	uG/KG	10.00 U	10.00 U	
V		CHLOROBENZENE	uG/KG	5.00 U	5.00 U	50
V		CHLOROETHANE	uG/KG	10.00 U	10.00 U	
S	BIS 2	CHLOROETHOXYMETHANE	uG/KG	10.00 U	10.00 U	
S	BIS 2	CHLOROETHYLETHER	uG/KG	10.00 U	10.00 U	
V		CHLOROFORM	uG/KG	5.00 U	5.00 U	
S	BIS 2	CHLOROISOPROPYL ETHER	uG/KG	10.00 U	10.00 U	
V		CHLOROMETHANE	uG/KG	10.00 U	10.00 U	
S	2	CHLORONAPHTHALENE	uG/KG	10.00 U	10.00 U	
S	2	CHLOROPHENOL	uG/KG	10.00 U	10.00 U	
S	4	CHLOROPHENYL-PHENYLETHER	uG/KG	10.00 U	10.00 U	
S		CHRYSENE	uG/KG	10.00 U	10.00 U	
V		CYCLOHEXANONE	uG/KG	9.50 U	950.00 U	750
P	44	DDD	uG/KG	0.20 U	5.20 U	
P	44	DDE	uG/KG	0.20 U	5.20 U	

ALL WATER ANALYSIS FOR 207 A AND 207 C PONDS

TYPE	ISOMER	COMPOUND	UNITS	A WATER	C WATER	CCW
P	44	DDT	uG/KG	0.20 U	5.20 U	
S		DI-N-BUTYLPHTHALATE	uG/KG	1.00 J	10.00 U	
S		DI-N-OCTYL PHTHALATE	uG/KG	10.00 U	10.00 U	
P		DIAZINON	uG/KG	0.51 U	2.80	
S		DIBENZO(A,H)ANTHRACENE	uG/KG	10.00 U	10.00 U	
S		DIBENZOFURAN	uG/KG	10.00 U	10.00 U	
V		DIBROMOCHLOROMETHANE	uG/KG	5.00 U	5.00 U	
S	13	DICHLOROBENZENE	uG/KG	10.00 U	10.00 U	
S	14	DICHLOROBENZENE	uG/KG	10.00 U	10.00 U	
S	12	DICHLOROBENZENE	uG/KG	10.00 U	10.00 U	125
S	33	DICHLOROBENZIDINE	uG/KG	21.00 U	20.00 U	
V	12	DICHLOROETHANE	uG/KG	5.00 U	5.00 U	
V	11	DICHLOROETHANE	uG/KG	5.00 U	5.00 U	
V	11	DICHLOROETHENE	uG/KG	5.00 U	5.00 U	
V	12	DICHLOROETHENE(TOTAL)	uG/KG	5.00 U	5.00 U	
S	24	DICHLOROPHENOL	uG/KG	10.00 U	10.00 U	
V	12	DICHLOROPROPANE	uG/KG	5.00 U	5.00 U	
V	TRANS 13	DICHLOROPROPENE	uG/KG	5.00 U	5.00 U	
V	CIS 13	DICHLOROPROPENE	uG/KG	5.00 U	5.00 U	
P		DIELDRIN	uG/KG	0.20 U	5.20 U	
V		DIETHYL ETHER	uG/KG	7.10 U	710.00 U	750
S		DIETHYL PHTHALATE	uG/KG	10.00 U	10.00 U	
S		DIMETHYL PHTHALATE	uG/KG	10.00 U	10.00 U	
S	24	DIMETHYLPHENOL	uG/KG	10.00 U	10.00 U	
S	46	DINITRO-2-METHYLPHENOL	uG/KG	52.00 U	51.00 U	
S	24	DINITROPHENOL	uG/KG	52.00 U	0.00 E	
S	26	DINITROTOLUENE	uG/KG	10.00 U	10.00 U	
S	24	DINITROTOLUENE	uG/KG	10.00 U	10.00 U	
P		DIOXIN (2,3,7,8 TCDD)	nG/KG	0.50 U	3.00 U	
P		ENDOSULFAN I	uG/KG	0.10 U	2.60 U	
P	44	ENDOSULFAN II	uG/KG	0.20 U	5.20 U	
P	44	ENDOSULFAN SULFATE	uG/KG	0.20 U	5.20 U	
P	44	ENDRIN	uG/KG	0.20 U	5.20 U	
P	44	ENDRIN KETONE	uG/KG	0.20 U	5.20 U	
V		ETHYL ACETATE	uG/KG	9.00 U	900.00 U	750
V		ETHYL BENZENE	uG/KG	5.00 U	5.00 U	53
S	BIS 2	ETHYLHEXYL PHTHALATE	uG/KG	10.00 U	4.00 J	
S		FLUORANTHENE	uG/KG	10.00 U	10.00 U	
S		FLUORENE	uG/KG	10.00 U	10.00 U	
P		HEPTACHLOR	uG/KG	0.10 U	2.60 U	
P		HEPTACHLOR EPOXIDE	uG/KG	0.10 U	2.60 U	
S		HEXACHLOROBENZENE	uG/KG	10.00 U	10.00 U	
S		HEXACHLOROBUTADIENE	uG/KG	10.00 U	10.00 U	
P		HEXACHLOROCYCLOHEXANE, ALPHA	uG/KG	0.10 U	2.60 U	
P		HEXACHLOROCYCLOHEXANE, BETA	uG/KG	0.10 U	2.60 U	
P		HEXACHLOROCYCLOHEXANE, DELTA	uG/KG	0.10 U	2.60 U	
P		HEXACHLOROCYCLOHEXANE, GAMMA	uG/KG	0.10 U	2.60 U	
S		HEXACHLOROCYCLOPENTADIENE	uG/KG	10.00 U	10.00 U	

ALL WATER ANALYSIS FOR 207 A AND 207 C PONDS

TYPE	ISOMER	COMPOUND	UNITS	A WATER	C WATER	CCW
S		HEXACHLOROETHANE	uG/KG	10.00 U	10.00 U	
V	2	HEXANONE	uG/KG	10.00 U	10.00 U	
S		INDENO(1,2,3-CD)PYRENE	uG/KG	10.00 U	10.00 U	
V		ISO BUTYL ALCOHOL	uG/KG	8.10 U	810.00 U	5000
S		ISOPHORONE	uG/KG	10.00 U	10.00 U	
V		METHANOL	uG/KG	7.80 U	780.00 U	750
P		METHOXYCHLOR	uG/KG	1.00 U	26.00 U	
S	2	METHYL NAPHTHALENE	uG/KG	10.00 U	10.00 U	
P		METHYL PARATHION	uG/KG	0.51 U	0.51 U	
V	4	METHYL-2-PENTANONE	uG/KG	10.00 U	10.00 U	
V		METHYLENE CHLORIDE	uG/KG	5.00 B	5.00 U	960
S	2	METHYLPHENOL(O-CRESOL)	uG/KG	10.00 U	10.00 U	
S	4	METHYLPHENOL(P-CRESOL)	uG/KG	10.00 U	10.00 U	
V		N BUTYL ALCOHOL	uG/KG	8.10 U	810.00 U	5000
S		N-NITROSO-DI-PROPYLAMINE	uG/KG	10.00 U	10.00 U	
S		N-NITROSODIPHENYLAMINE	uG/KG	10.00 U	10.00 U	
S		NAPHTHALENE	uG/KG	10.00 U	10.00 U	
S	4	NITROANILINE	uG/KG	52.00 U	51.00 U	
S	2	NITROANILINE	uG/KG	52.00 U	51.00 U	
S	3	NITROBENZENE	uG/KG	10.00 U	10.00 U	
S	2	NITROPHENOL	uG/KG	2.00 J	10.00 U	
S	4	NITROPHENOL	uG/KG	52.00 U	51.00 U	
S		PENTACHLOROPHENOL	uG/KG	52.00 U	51.00 U	
S		PHENANTHRENE	uG/KG	10.00 U	10.00 U	
S		PHENOL	uG/KG	10.00 U	10.00 U	
S		PYRENE	uG/KG	10.00 U	10.00 U	
P		SIMAZINE	uG/KG	1.00 U	7.50	
V		STYRENE	uG/KG	5.00 U	5.00 U	
V	1122	TETRACHLOROETHANE	uG/KG	5.00 U	5.00 U	
V		TETRACHLOROETHENE	uG/KG	5.00 U	5.00 U	50
V		TOLUENE	uG/KG	5.00 U	5.00 U	330
P		TOXAPHENE	uG/KG	2.00 U	41.00 U	
S	124	TRICHLOROBENZENE	uG/KG	10.00 U	10.00 U	
V	111	TRICHLOROETHANE	uG/KG	5.00 U	5.00 U	410
V	112	TRICHLOROETHANE	uG/KG	5.00 U	5.00 U	7600
V		TRICHLOROETHENE	uG/KG	5.00 U	5.00 U	91
V		TRICHLOROFLUOROMETHANE	uG/KG	5.00 U	5.00 U	960
S	245	TRICHLOROPHENOL	uG/KG	52.00 U	51.00 U	
S	246	TRICHLOROPHENOL	uG/KG	10.00 U	10.00 U	
V	112	TRICHLOROTRIFLUOROETHANE	uG/KG	10.00 U	10.00 U	960
V		VINYL ACETATE	uG/KG	10.00 U	10.00 U	
V		VINYL CHLORIDE	uG/KG	10.00 U	10.00 U	
V		XYLENES (TOTAL)	uG/KG	5.00 U	5.00 U	150
M		ALUMINUM	uG/KG	200.00 U	4000.00 U	
M		ANTIMONY	uG/KG	60.00 U	2400.00 U	
M		ARSENIC	uG/KG	10.00 U	1000.00 U	
M		BARIUM	uG/KG	200.00 U	8000.00 U	
M		BERYLLIUM	uG/KG	5.00 U	200.00 U	

ALL WATER ANALYSIS FOR 207 A AND 207 C PONDS

TYPE	ISOMER	COMPOUND	UNITS	A WATER	C WATER	CCW
M		BORON	uG/KG	1260.00	360000.00	
M		CADMIUM	uG/KG	5.00 U	312.00	66
M		CALCIUM	uG/KG	60400.00	200000.00 U	
M		CHROMIUM, TOTAL	uG/KG	10.00 U	2360.00	5200
M		COBALT	uG/KG	50.00 U	1000.00 U	
M		COPPER	uG/KG	25.00 U	6790.00	
M		IRON	uG/KG	100.00 U	2000.00 U	
M		LEAD	uG/KG	3.90	300.00 U	510
M		LITHIUM	uG/KG	1420.00	4000.00 U	
M		MAGNESIUM	uG/KG	121000.00	200000.00 U	
M		MANGANESE	uG/KG	15.00 U	600.00 U	
M		MERCURY	uG/KG	0.20 U	0.20 U	
M		MOLYBDENUM	uG/KG	100.00 U	4000.00 U	
M		NICKEL	uG/KG	40.00 U	5090.00	320
M		POTASSIUM	uG/KG	376000.00	78700000.00	
M		SELENIUM	uG/KG	14.90	500.00 U	
M		SILICON	uG/KG	846.00	30100.00	
M		SILVER	uG/KG	10.00 U	400.00 U	72
M		SODIUM	uG/KG	1610000.00	102000000.00	
M		STRONTIUM	uG/KG	2350.00	4000.00 U	
M		THALLIUM	uG/KG	10.00 U	1000.00 U	
M		TIN	uG/KG	100.00 U	4000.00 U	
M		VANADIUM	uG/KG	50.00 U	2000.00 U	
M		ZINC	uG/KG	27.50	400.00 U	
A		AMMONIA	MG/KG	0.43	0.10 U	
A		BICARBONATE		35.00	4000.00	
A		CARBONATE	MG/KG	47.00	25000.00	
A		CHLORIDE	MG/KG	416.00	18300.00	
A		CYANIDE, TOTAL	uG/KG	478.00	9650.00	590000
A		FLUORIDE	MG/KG	50.00 U	1470.00 U	
A		NITRATE-N	MG/KG	1000.00	2600.00	
A		NITRITE	MG/KG	39.00	2500.00	
A		PHOSPHATE, ORTHO	MG/KG	0.00 <.02	390.00	
A		PHOSPHATE, TOTAL	MG/KG	0.00 <.1	431.00	
A		SULFATE	MG/KG	409.00	12200.00	
A		SULFIDE	MG/L	0.00 < 1	10.00	
A		TKN-N	MG/KG	0.10 U	0.50 U	
T		ALKALINITY, TOTAL	MG/KG	110.00	45000.00	
T		ASTM D 422, PARTICLE SIZE	GRAPH	0.00	0.00	
T		CONDUCTIVITY @ 25C	uMHOS	8800.00	610000.00	
T		TOTAL DISSOLVED SOLIDS	MG/L	7600.00	400000.00	
T		TOTAL ORGANIC CARBON	MG/L	67.80	54.90	
T		TOTAL SUSPENDED SOLIDS	%	23.00	76.00	
T		pH	pH	9.90	10.20	
R		AMERICIUM 241	pCI/L	0.42 +-.19	8.60 +-.6	
R		GROSS ALPHA	pCI/L	300.00 +-60	72000.00 -8000	
R		GROSS BETA	pCI/L	930.00 +-60	170000.00 10000	
R		PLUTONIUM 239	pCI/L	0.71 +-.29	670.00 +-20.	

ALL WATER ANALYSIS FOR 207 A AND 207 C PONDS

T Y P E	ISOMER	COMPOUND	UNITS	A WATER	C WATER	CCW
R		URANIUM 234	pCI/L	310.00 +-10	2600.00 +-100	
R		URANIUM 235	pCI/L	11.00 +-1.	120.00 +-30.	
R		URANIUM 238	pCI/L	340.00 +-10	3900.00 +-200	

U-UNDETECTED, J-DETECTED BELOW QC LIMIT, B-FOUND IN BLANK, E-LABORATORY ERROR

A-ANION; M-METAL; P-PESTICIDE, PCB, OR DIOXIN; R-RADIONUCLIDE
S-SEMIVOLATILE ORGANIC COMPOUND; V-VOLATILE ORGANIC COMPOUND; T-MISCELLANEOUS TESTS

WHERE THE CONCENTRATION IS REPORTED AS LESS THAN A GIVEN VALUE, IT APPEARS IN THIS REPORT AS 0.00 < _.__ , AS FOR SULFIDE, PHOSPHATE, AND SOME RADIONUCLIDES
N-NITROSODIPHENYLAMINE COULD NOT BE SEPARATED FROM DIPHENYLAMINE

ALL WATER ANALYSIS FOR PONDS 207 B NORTH, CENTER AND SOUTH

TYPE	ISOMER	COMPOUND	UNITS	B NORTH	B CENTER	B SOUTH	CCW
S		ACENAPHTHENE	uG/KG	10.00 U	11.00 U	10.00 U	
S		ACENAPHTHYLENE	uG/KG	10.00 U	11.00 U	10.00 U	
V		ACETONE	uG/KG	1.00 JB	10.00 U	2.00 JB	590
V		ACRYLONITRILE	uG/KG	10.00 U	10.00 U	10.00 U	
P		ALDRIN	uG/KG	0.05 U	0.11 U	0.25 U	
S		ANTHRACENE	uG/KG	10.00 U	11.00 U	10.00 U	
P		AROCLOR 1016	uG/KG	0.52 U	1.10 U	2.50 U	
P		AROCLOR 1221	uG/KG	0.52 U	1.10 U	2.50 U	
P		AROCLOR 1232	uG/KG	0.52 U	1.10 U	2.50 U	
P		AROCLOR 1242	uG/KG	0.52 U	1.10 U	2.50 U	
P		AROCLOR 1248	uG/KG	0.52 U	1.10 U	2.50 U	
P		AROCLOR 1254	uG/KG	1.00 U	2.10 U	5.00 U	
P		AROCLOR 1260	uG/KG	1.00 U	2.10 U	5.00 U	
P		ATRAZINE	uG/KG	1.10	9.00	13.00	
V		BENZENE	uG/KG	5.00 U	5.00 U	5.00 U	3700
S		BENZO(A)ANTHRACENE	uG/KG	10.00 U	11.00 U	10.00 U	
S		BENZO(A)PYRENE	uG/KG	10.00 U	11.00 U	10.00 U	
S		BENZO(B)FLUORANTHENE	uG/KG	10.00 U	11.00 U	10.00 U	
S		BENZO(G,H,I)PERYLENE	uG/KG	10.00 U	11.00 U	10.00 U	
S		BENZO(K)FLUORANTHENE	uG/KG	10.00 U	11.00 U	10.00 U	
S		BENZOIC ACID	uG/KG	52.00 U	4.00 J	51.00 U	
S		BENZYL ALCOHOL	uG/KG	10.00 U	11.00 U	10.00 U	
V		BROMODICHLOROMETHANE	uG/KG	5.00 U	5.00 U	5.00 U	
V		BROMOFORM	uG/KG	5.00 U	5.00 U	5.00 U	
V		BROMOMETHANE	uG/KG	10.00 U	10.00 U	10.00 U	
S	4	BROMOPHENYL-PHENYL ETHER	uG/KG	10.00 U	11.00 U	10.00 U	
V	2	BUTANONE	uG/KG	10.00 U	10.00 U	10.00 U	
S		BUTYLBENZYLPHTHALATE	uG/KG	10.00 U	11.00 U	10.00 U	
V		CARBON DISULFIDE	uG/KG	5.00 U	5.00 U	5.00 U	4810
V		CARBON TETRACHLORIDE	uG/KG	5.00 U	5.00 U	5.00 U	960
P		CHLORDANE, ALPHA	uG/KG	0.52 U	1.10 U	2.50 U	
P		CHLORDANE, GAMMA	uG/KG	0.52 U	1.10 U	2.50 U	
S	4	CHLORO-3-METHYLPHENOL	uG/KG	10.00 U	11.00 U	10.00 U	
S	4	CHLOROANILINE	uG/KG	10.00 U	11.00 U	10.00 U	
V		CHLOROBENZENE	uG/KG	5.00 U	5.00 U	5.00 U	50
V		CHLOROETHANE	uG/KG	10.00 U	10.00 U	10.00 U	
S	BIS 2	CHLOROETHOXYMETHANE	uG/KG	10.00 U	11.00 U	10.00 U	
S	BIS 2	CHLOROETHYLETHER	uG/KG	10.00 U	11.00 U	10.00 U	
V		CHLOROFORM	uG/KG	5.00 U	5.00 U	5.00 U	
S	BIS 2	CHLOROISOPROPYL ETHER	uG/KG	10.00 U	11.00 U	10.00 U	
V		CHLOROMETHANE	uG/KG	10.00 U	10.00 U	10.00 U	
S	2	CHLORONAPHTHALENE	uG/KG	10.00 U	11.00 U	10.00 U	
S	2	CHLOROPHENOL	uG/KG	10.00 U	11.00 U	10.00 U	
S	4	CHLOROPHENYL-PHENYLETHER	uG/KG	10.00 U	11.00 U	10.00 U	
S		CHRYSENE	uG/KG	10.00 U	11.00 U	10.00 U	
V		CYCLOHEXANONE	uG/KG	9.50 U	9.50 U	9.50 U	750
P	44	DDD	uG/KG	0.10 U	0.21 U	0.50 U	
P	44	DDE	uG/KG	0.10 U	0.21 U	0.50 U	

ALL WATER ANALYSIS FOR PONDS 207 B NORTH, CENTER AND SOUTH

TYPE	ISOMER	COMPOUND	UNITS	B NORTH	B CENTER	B SOUTH	CCW
P	44	DDT	uG/KG	0.10 U	0.21 U	0.50 U	
S		DI-N-BUTYLPHTHALATE	uG/KG	10.00 U	11.00 U	1.00 J	
S		DI-N-OCTYL PHTHALATE	uG/KG	10.00 U	11.00 U	10.00 U	
P		DIAZINON	uG/KG	0.50 U	0.52 U	0.50 U	
S		DIBENZO(A,H)ANTHRACENE	uG/KG	10.00 U	11.00 U	10.00 U	
S		DIBENZOFURAN	uG/KG	10.00 U	11.00 U	10.00 U	
V		DIBROMOCHLOROMETHANE	uG/KG	5.00 U	5.00 U	5.00 U	
S	13	DICHLOROBENZENE	uG/KG	10.00 U	11.00 U	10.00 U	
S	14	DICHLOROBENZENE	uG/KG	10.00 U	11.00 U	10.00 U	
S	12	DICHLOROBENZENE	uG/KG	10.00 U	11.00 U	10.00 U	125
S	33	DICHLOROBENZIDINE	uG/KG	21.00 U	21.00 U	20.00 U	
V	12	DICHLOROETHANE	uG/KG	5.00 U	5.00 U	5.00 U	
V	11	DICHLOROETHANE	uG/KG	5.00 U	5.00 U	5.00 U	
V	11	DICHLOROETHENE	uG/KG	5.00 U	5.00 U	5.00 U	
V	12	DICHLOROETHENE(TOTAL)	uG/KG	5.00 U	5.00 U	5.00 U	
S	24	DICHLOROPHENOL	uG/KG	10.00 U	11.00 U	10.00 U	
V	12	DICHLOROPROPANE	uG/KG	5.00 U	5.00 U	5.00 U	
V	TRANS 13	DICHLOROPROPENE	uG/KG	5.00 U	5.00 U	5.00 U	
V	CIS 13	DICHLOROPROPENE	uG/KG	5.00 U	5.00 U	5.00 U	
P		DIELDRIN	uG/KG	0.10 U	0.21 U	0.50 U	
V		DIETHYL ETHER	uG/KG	7.10 U	7.10 U	7.10 U	750
S		DIETHYL PHTHALATE	uG/KG	10.00 U	11.00 U	10.00 U	
S		DIMETHYL PHTHALATE	uG/KG	10.00 U	11.00 U	10.00 U	
S	24	DIMETHYLPHENOL	uG/KG	10.00 U	11.00 U	10.00 U	
S	46	DINITRO-2-METHYLPHENOL	uG/KG	52.00 U	53.00 U	51.00 U	
S	24	DINITROPHENOL	uG/KG	52.00 U	53.00 U	51.00 U	
S	26	DINITROTOLUENE	uG/KG	10.00 U	11.00 U	10.00 U	
S	24	DINITROTOLUENE	uG/KG	10.00 U	11.00 U	10.00 U	
P		DIOXIN (2,3,7,8 TCDD)	nG/KG	0.60 U	0.70 U	0.50 U	
P		ENDOSULFAN I	uG/KG	0.05 U	0.11 U	0.25 U	
P	44	ENDOSULFAN II	uG/KG	0.10 U	0.21 U	0.50 U	
P	44	ENDOSULFAN SULFATE	uG/KG	0.10 U	0.21 U	0.50 U	
P	44	ENDRIN	uG/KG	0.10 U	0.21 U	0.50 U	
P	44	ENDRIN KETONE	uG/KG	0.10 U	0.21 U	0.50 U	
V		ETHYL ACETATE	uG/KG	9.00 U	9.00 U	9.00 U	750
V		ETHYL BENZENE	uG/KG	5.00 U	5.00 U	5.00 U	53
S	BIS 2	ETHYLHEXYL PHTHALATE	uG/KG	10.00 U	11.00 U	10.00 U	
S		FLUORANTHENE	uG/KG	10.00 U	11.00 U	10.00 U	
S		FLUORENE	uG/KG	10.00 U	11.00 U	10.00 U	
P		HEPTACHLOR	uG/KG	0.05 U	0.11 U	0.25 U	
P		HEPTACHLOR EPOXIDE	uG/KG	0.05 U	0.11 U	0.25 U	
S		HEXACHLOROBENZENE	uG/KG	10.00 U	11.00 U	10.00 U	
S		HEXACHLOROBUTADIENE	uG/KG	10.00 U	11.00 U	10.00 U	
P		HEXACHLOROCYCLOHEXANE, ALPHA	uG/KG	0.05 U	0.11 U	0.25 U	
P		HEXACHLOROCYCLOHEXANE, BETA	uG/KG	0.05 U	0.11 U	0.25 U	
P		HEXACHLOROCYCLOHEXANE, DELTA	uG/KG	0.05 U	0.11 U	0.25 U	
P		HEXACHLOROCYCLOHEXANE, GAMMA	uG/KG	0.05 U	0.11 U	0.25 U	
S		HEXACHLOROCYCLOPENTADIENE	uG/KG	10.00 U	11.00 U	10.00 U	

ALL WATER ANALYSIS FOR PONDS 207 B NORTH, CENTER AND SOUTH

TYPE	ISOMER	COMPOUND	UNITS	B NORTH	B CENTER	B SOUTH	CCW
S		HEXACHLOROETHANE	uG/KG	10.00 U	11.00 U	10.00 U	
V	2	HEXANONE	uG/KG	10.00 U	10.00 U	10.00 U	
S		INDENO(1,2,3-CD)PYRENE	uG/KG	10.00 U	11.00 U	10.00 U	
V		ISO BUTYL ALCOHOL	uG/KG	8.10 U	8.10 U	8.10 U	5000
S		ISOPHORONE	uG/KG	10.00 U	11.00 U	10.00 U	
V		METHANOL	uG/KG	7.80 U	7.80 U	7.80 U	750
P		METHOXYCHLOR	uG/KG	0.52 U	1.10 U	0.25 U	
S	2	METHYL NAPHTHALENE	uG/KG	10.00 U	11.00 U	10.00 U	
P		METHYL PARATHION	uG/KG	0.50 U	0.52 U	0.50 U	
V	4	METHYL-2-PENTANONE	uG/KG	10.00 U	10.00 U	10.00 U	
V		METHYLENE CHLORIDE	uG/KG	5.00 U	7.00 JB	5.00 U	960
S	2	METHYLPHENOL(O-CRESOL)	uG/KG	10.00 U	11.00 U	10.00 U	
S	4	METHYLPHENOL(P-CRESOL)	uG/KG	10.00 U	11.00 U	10.00 U	
V		N BUTYL ALCOHOL	uG/KG	8.10 U	8.10 U	8.10 U	5000
S		N-NITROSO-DI-PROPYLAMINE	uG/KG	10.00 U	11.00 U	10.00 U	
S		N-NITROSODIPHENYLAMINE	uG/KG	10.00 U	11.00 U	10.00 U	
S		NAPHTHALENE	uG/KG	10.00 U	11.00 U	10.00 U	
S	4	NITROANILINE	uG/KG	52.00 U	53.00 U	51.00 U	
S	2	NITROANILINE	uG/KG	52.00 U	53.00 U	51.00 U	
S	3	NITROBENZENE	uG/KG	10.00 U	11.00 U	10.00 U	
S	2	NITROPHENOL	uG/KG	10.00 U	2.00 J	10.00 U	
S	4	NITROPHENOL	uG/KG	52.00 U	53.00 U	51.00 U	
S		PENTACHLOROPHENOL	uG/KG	52.00 U	53.00 U	51.00 U	
S		PHENANTHRENE	uG/KG	10.00 U	11.00 U	10.00 U	
S		PHENOL	uG/KG	10.00 U	11.00 U	10.00 U	
S		PYRENE	uG/KG	10.00 U	11.00 U	10.00 U	
P		SIMAZINE	uG/KG	1.00 U	1.00 U	1.10 U	
V		STYRENE	uG/KG	5.00 U	5.00 U	5.00 U	
V	1122	TETRACHLOROETHANE	uG/KG	5.00 U	5.00 U	5.00 U	
V		TETRACHLOROETHENE	uG/KG	5.00 U	5.00 U	5.00 U	50
V		TOLUENE	uG/KG	5.00 U	5.00 U	5.00 U	330
P		TOXAPHENE	uG/KG	1.00 U	2.10 U	0.50 U	
S	124	TRICHLOROBENZENE	uG/KG	10.00 U	11.00 U	10.00 U	
V	111	TRICHLOROETHANE	uG/KG	5.00 U	5.00 U	5.00 U	410
V	112	TRICHLOROETHANE	uG/KG	5.00 U	5.00 U	5.00 U	7600
V		TRICHLOROETHENE	uG/KG	5.00 U	5.00 U	5.00 U	91
V		TRICHLOROFLUOROMETHANE	uG/KG	5.00 U	5.00 U	5.00 U	960
S	245	TRICHLOROPHENOL	uG/KG	52.00 U	53.00 U	51.00 U	
S	246	TRICHLOROPHENOL	uG/KG	10.00 U	11.00 U	10.00 U	
V	112	TRICHLOROTRIFLUOROETHANE	uG/KG	10.00 U	10.00 U	10.00 U	960
V		VINYL ACETATE	uG/KG	10.00 U	10.00 U	10.00 U	
V		VINYL CHLORIDE	uG/KG	10.00 U	10.00 U	10.00 U	
V		XYLENES (TOTAL)	uG/KG	5.00 U	5.00 U	5.00 U	150
M		ALUMINUM	uG/KG	200.00 U	200.00 U	200.00 U	
M		ANTIMONY	uG/KG	60.00 U	60.00 U	60.00 U	
M		ARSENIC	uG/KG	10.00 U	13.80	16.40	
M		BARIUM	uG/KG	200.00 U	200.00 U	200.00 U	
M		BERYLLIUM	uG/KG	5.00 U	5.00 U	5.00 U	

ALL WATER ANALYSIS FOR PONDS 207 B NORTH, CENTER AND SOUTH

T ISOMER Y P E	COMPOUND	UNITS	B NORTH	B CENTER	B SOUTH	CCW
M	BORON	uG/KG	173.00	2770.00	2770.00	
M	CADMIUM	uG/KG	5.00 U	5.00 U	5.00 U	66
M	CALCIUM	uG/KG	189000.00	22600.00	18900.00	
M	CHROMIUM, TOTAL	uG/KG	10.00 U	93.80	22.80	5200
M	COBALT	uG/KG	50.00 U	50.00 U	50.00 U	
M	COPPER	uG/KG	25.00 U	34.80	37.40	
M	IRON	uG/KG	100.00 U	100.00 U	100.00 U	
M	LEAD	uG/KG	3.00 U	3.00 U	3.00 U	510
M	LITHIUM	uG/KG	332.00	2600.00	2670.00	
M	MAGNESIUM	uG/KG	79300.00	181000.00	180000.00	
M	MANGANESE	uG/KG	15.00 U	15.00 U	18.20	
M	MERCURY	uG/KG	0.20 U	0.20 U	1.00	
M	MOLYBDENUM	uG/KG	100.00 U	100.00 U	122.00	
M	NICKEL	uG/KG	40.00 U	40.00 U	40.00	320
M	POTASSIUM	uG/KG	58800.00	729000.00	791000.00	
M	SELENIUM	uG/KG	8.20	50.00 U	0.00	
M	SILICON	uG/KG	1020.00	1410.00	952.00	
M	SILVER	uG/KG	10.00 U	10.00 U	10.00 U	72
M	SODIUM	uG/KG	403000.00	2440000.00	2940000.0	
M	STRONTIUM	uG/KG	2220.00	2130.00	2370.00	
M	THALLIUM	uG/KG	10.00 U	10.00 U	10.00 U	
M	TIN	uG/KG	100.00 U	109.00	100.00 U	
M	VANADIUM	uG/KG	50.00 U	50.00 U	50.00 U	
M	ZINC	uG/KG	47.90	20.00 U	37.10	
A	AMMONIA	MG/KG	0.10 U	0.50	0.97	
A	BICARBONATE		0.00 U	0.00 U	0.00 U	
A	CARBONATE	MG/KG	0.00 < 5	280.00	190.00	
A	CHLORIDE	MG/KG	147.00	763.00	745.00	
A	CYANIDE, TOTAL	uG/KG	37.80	555.00	509.00	590000
A	FLUORIDE	MG/KG	50.00 U	73.00	72.50	
A	NITRATE-N	MG/KG	39.00	1600.00	1800.00	
A	NITRITE	MG/KG	1.30 U	75.00	100.00	
A	PHOSPHATE, ORTHO	MG/KG	0.00 <.02	0.00 o3	0.00	
A	PHOSPHATE, TOTAL	MG/KG	0.04	3.10	2.60	
A	SULFATE	MG/KG	155.00	736.00	784.00	
A	SULFIDE	MG/L	0.00 < 1.	0.00 < 1.	1.00	
A	TKN-N	MG/KG	0.50 U	0.10 U	0.10 U	
T	ALKALINITY, TOTAL	MG/KG	75.00	1000.00	860.00	
T	ASTM D 422, PARTICLE SIZE	GRAPH	0.00	0.00	0.00	
T	CONDUCTIVITY @ 25C	uMHOS	3380.00	1350.00	23000.00	
T	TOTAL DISSOLVED SOLIDS	MG/L	3200.00	13000.00	16000.00	
T	TOTAL ORGANIC CARBON	MG/L	7.60	126.00	297.00	
T	TOTAL SUSPENDED SOLIDS	%	18.00	15.00	6.00	
T	pH	pH	8.50	9.10	9.20	
R	AMERICIUM 241	pCI/L	0.14 +-.11	5.50 +-4.5	0.13 +-.11	
R	GROSS ALPHA	pCI/L	59.00 +-21	2400.00 +-300	1600.00 +-200	
R	GROSS BETA	pCI/L	110.00 +-20	3900.00 +-200	2300.00 +-200	
R	PLUTONIUM 239	pCI/L	0.00 <0.1	0.36 +-.18	0.14 +-.12	

ALL WATER ANALYSIS FOR PONDS 207 B NORTH, CENTER AND SOUTH

T Y P E	ISOMER	COMPOUND	UNITS	B NORTH	B CENTER	B SOUTH	CCW
R		URANIUM 234	pCI/L	40.00 +-2.	780.00 +-30	760.00 +-50.	
R		URANIUM 235	pCI/L	1.70 +-.5	36.00 +-7	31.00 +-11.	
R		URANIUM 238	pCI/L	26.00 +-2.	900.00 +-40	870.00 +-60.	

U-UNDETECTED, J-DETECTED BELOW QC LIMIT, B-FOUND IN BLANK, E-LABORATORY ERROR

A-ANION; M-METAL; P-PESTICIDE, PCB, OR DIOXIN; R-RADIONUCLIDE
S-SEMIVOLATILE ORGANIC COMPOUND; V-VOLATILE ORGANIC COMPOUND; T-MISCELLANEOUS TESTS

WHERE THE CONCENTRATION IS REPORTED AS LESS THAN A GIVEN VALUE, IT APPEARS IN THIS REPORT AS 0.00 < _.__ , AS FOR SULFIDE, PHOSPHATE, AND SOME RADIONUCLIDES
N-NITROSODIPHENYLAMINE COULD NOT BE SEPARATED FROM DIPHENYLAMINE

APPENDIX E

SOIL ANALYTICAL RESULTS
SOLAR PONDS AREA

- Analytical results of 1989 soil sampling
- Background geochemical characterization results for alluvial and bedrock samples
- Results of radiological surveys in Pond 207-A area

APPENDIX D

LAB TEST PANEL CODES

VOCCLPTCL	CLP Target Compound List Volatile Organics
SVOCLPTCL	CLP Target Compound List Semivolatile Organics
PSTCLPTCL	CLP Target Compound List Pesticides/PCBs
TRIPES619	Triazine Pesticides - EPA method 619
CLHERB615	Chlorinated Herbicides - EPA method 615
OCLPEST608	Organochlorine Pesticides/PCBs EPA method 608
SELCOM625	Selected Compounds EPA method 625
SELCOM525	Selected Compounds EPA method 525
SELCO502.2	Selected Compounds EPA method 502.2
PSTPCB508	Pesticides/PCBs EPA method 508
SELCOM505	Selected Compounds EPA method 505
PAHCOM610	PAH Compounds EPA method 610
SELNA607	Selected Nitroso-Amines EPA method 607
DIOX613	Dioxins EPA method 613
DMETCLPTAL	CLP target analyte list Metals-Dissolved
SMETCLPTCL	CLP target analyte list Metals-Total
PDMETCLPTAL	CLP target analyte list Metals-Potentially Dissolved
DMETNOCLP	Non-CLP target analyte list Metals-Dissolved
SMETNOCLP	Non-CLP target analyte list Metals-Total
PDMETNOCLP	Non-CLP target Metals-Potentially Dissolved
WQPL	Water Quality parameter list
DRADS	Dissolved Radionuclides
TRADS	Total Radionuclides

APPENDIX E

RESULT IDENTIFIER

BLK	Blanks including Rad blanks
BS	Method Blank spike.
BSD	Blank spike duplicate.
DUP	Duplicate sample.
MS	Matrix spike.
MSD	Matrix spike duplicate.
MB	Matrix Blank
SPK	Spikes including Rad spikes
TIC	Tentatively identified compounds.
TRG	Regular target compound.
RB	Reagent Blank
REX	Re-extraction
SUR	Surrogate sample.

APPENDIX F

RESULT QUALIFIER

U	A compound was analyzed but not detected.
J	Indicates an estimated value for a tentatively identified compound or analyte that meets the identification criteria but had a result less than the specified detection limit.
B	Compound was found in the blank and in the sample.
T	Compound was found in the TCLP extraction blank and in the sample.
E	Concentration exceed calibration range of the instrument.
I	Indicates interference.
D	Surrogate/matrix spike recoveries were not obtained because the extract had to be diluted for analysis.
DL	Indicates a secondary dilution.
DF	Dilution factor.
X	Result is by calculation.

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Page #: 00001 Date: 09/25/91

Location ID		Proj_Sample_No	Chemical	Result	Unit	Err	Qual.	D.Lmt	VA	Group	Smpl Date
P207389	TRG	SEP0189BR0307	ALUMINUM	8840	UG/G			38.8		RFME	05-JUN-89
P207389	TRG	SEP0189BR0713	ALUMINUM	7800	UG/G			A 47.0	A	RFME	05-JUN-89
P207389	TRG	SEP0189BR1319	ALUMINUM	3760	UG/G			A 45.4	A	RFME	05-JUN-89
P207389	TRG	GSEP01890989001	ALUMINUM	.200	MG/L		U	200		RFMS	21-SEP-89
P207489	TRG	SEP02890003	ALUMINUM	6900	UG/G			43.4	A	RFME	06-JUN-89
P207489	TRG	SEP02890306	ALUMINUM	30400	UG/G			384	A	RFME	06-JUN-89
P207489	TRG	SEP02890610	ALUMINUM	6490	UG/G			36.7	A	RFME	06-JUN-89
P207489	TRG	GSEP02890989001	ALUMINUM	.200	MG/L		U	200		RFMS	20-SEP-89
P207589	TRG	SEP0389BR0309	ALUMINUM	11600	UG/G			V 45.9	A	RFME	18-MAY-89
P207589	TRG	SEP0389BR0915	ALUMINUM	8610	UG/G			V 50.2	A	RFME	18-MAY-89
P207589	TRG	SEP0389BR1521	ALUMINUM	7650	UG/G			V 46.7	A	RFME	18-MAY-89
P207689	TRG	SEP04890612	ALUMINUM	7340	UG/G			A 49.1	A	RFME	05-MAY-89
P207689	TRG	SEP04891215	ALUMINUM	7560	UG/G			A 47.7	A	RFME	05-MAY-89
P207689	TRG	SEP048900060	ALUMINUM	8920	UG/G			A 45.9	A	RFME	05-MAY-89
P207689	TRG	GSEP04890989001	ALUMINUM	.200	MG/L		U	A 200	A	RFMS	14-SEP-89
P207789	TRG	SEP0589BR0613	ALUMINUM	8540	UG/G			A 45.3	A	RFME	05-MAY-89
P207789	TRG	SEP0589BR1318	ALUMINUM	10400	UG/G			A 49.0	A	RFME	05-MAY-89
P207789	TRG	SEP0589BR1824	ALUMINUM	6370	UG/G			A 46.7	A	RFME	05-MAY-89
P207789	TRG	SEP0589BR0006	ALUMINUM	8060	UG/G			A 46.6	A	RFME	05-MAY-89
P207889	TRG	SEP06890003	ALUMINUM	32700	UG/G			A 51.7	A	RFME	01-MAY-89
P207889	TRG	SEP06890306	ALUMINUM	9760	UG/G			A 47.7	A	RFME	01-MAY-89
P207889	TRG	SEP068903060	ALUMINUM	7480	UG/G			A 47.9	A	RFME	01-MAY-89
P207889	TRG	GSEP06890989001	ALUMINUM	.200	MG/L		U	A 200	A	RFMS	15-SEP-89
P207989	TRG	SEP0789BR1218	ALUMINUM	8260	UG/G			A 47.0	A	RFME	02-MAY-89
P207989	TRG	SEP0789BR0003	ALUMINUM	7240	UG/G			A 41.7	A	RFME	02-MAY-89
P207989	TRG	SEP0789BR0306	ALUMINUM	11700	UG/G			A 46.2	A	RFME	02-MAY-89
P207989	TRG	SEP0789BR0612	ALUMINUM	10300	UG/G			A 49.8	A	RFME	02-MAY-89
P208889	TRG	SEP1689BR0410	ALUMINUM	7200	UG/G			A 47.1	A	RFME	09-MAY-89
P208889	TRG	SEP1689BR1016	ALUMINUM	5290	UG/G			A 45.4	A	RFME	09-MAY-89
P208889	TRG	GSEP16890989001	ALUMINUM	.200	MG/L		U	200		RFMS	17-OCT-89
P208989	TRG	SEP1789BR0003	ALUMINUM	5770	UG/G			V 44.6	A	RFME	12-MAY-89
P208989	TRG	SEP1789BR0309	ALUMINUM	8020	UG/G			V 49.7	A	RFME	12-MAY-89
P208989	TRG	SEP1789BR0915	ALUMINUM	5200	UG/G			V 46.8	A	RFME	12-MAY-89
P209089	TRG	SEP1889BR1218D	ALUMINUM	7600	UG/G			V 47.9	A	RFME	17-MAY-89
P209089	TRG	SEP1889BR1824	ALUMINUM	4780	UG/G			V 46.2	A	RFME	17-MAY-89
P209089	TRG	SEP1889BR0309	ALUMINUM	17300	UG/G			V 49.4	A	RFME	17-MAY-89
P209089	TRG	SEP1889BR1218	ALUMINUM	6760	UG/G			V 48.7	A	RFME	17-MAY-89
P209189	TRG	SEP1989BR0309	ALUMINUM	15400	UG/G			46.1		RFME	25-MAY-89
P209189	TRG	SEP1989BR1016	ALUMINUM	4140	UG/G			46.0		RFME	25-MAY-89
P209189	TRG	SEP1989BR1622	ALUMINUM	7060	UG/G			48.5		RFME	25-MAY-89
P209189	TRG	SEP1989BR1622D	ALUMINUM	5950	UG/G			49.4		RFME	25-MAY-89
P209189	TRG	GSEP19890989001	ALUMINUM	.200	MG/L		U	200		RFMS	27-SEP-89
P209189	TRG	GSEP19890989001D	ALUMINUM	.200	MG/L		U	200		RFMS	27-SEP-89
P209289	TRG	SEP20890309	ALUMINUM	9430	UG/G			V 45.1	A	RFME	08-JUN-89
P209289	TRG	SEP20890912	ALUMINUM	5890	UG/G			V 46.0	A	RFME	08-JUN-89
P209289	TRG	SEP20891418	ALUMINUM	3240	UG/G			V 36.3	A	RFME	08-JUN-89
P209289	TRG	SEP20890003	ALUMINUM	13200	UG/G			V 43.6	A	RFME	08-JUN-89
P209389	TRG	SEP2189BR0309	ALUMINUM	9810	UG/G			V 42.1	A	RFME	07-JUN-89
P209389	TRG	SEP2189BR0912	ALUMINUM	12400	UG/G			V 44.4	A	RFME	07-JUN-89
P209389	TRG	SEP2189BR2026	ALUMINUM	3640	UG/G			V 31.7	A	RFME	07-JUN-89
P209389	TRG	SEP2189BR2026D	ALUMINUM	5060	UG/G			V 38.9	A	RFME	07-JUN-89
P209389	TRG	SEP2189BR1420	ALUMINUM	2190	UG/G			V 42.4	A	RFME	07-JUN-89
P209389	TRG	GSEP21890989001	ALUMINUM	.200	MG/L		U	200		RFMS	18-SEP-89
P209489	TRG	SEP2289BR0912	ALUMINUM	5010	UG/G			A 45.8	A	RFME	16-MAY-89
P209489	TRG	SEP2289BR1213	ALUMINUM	2830	UG/G			A 44.1	A	RFME	16-MAY-89
P209489	TRG	SEP2289BR1416	ALUMINUM	4160	UG/G			A 44.1	A	RFME	16-MAY-89
P209489	TRG	SEP2289BR1621	ALUMINUM	2950	UG/G			A 45.2	A	RFME	16-MAY-89
P209489	TRG	SEP2289BR0307	ALUMINUM	4730	UG/G			A 42.4	A	RFME	16-MAY-89

Location	ID	Proj_Sample_No	Chemical	Result	Unit	Err	Qual.	D.Lmt	VA	Group	Smpl Date
P209589	TRG	SEP2389BR0004	ALUMINUM	12900	UG/G			A 50.1	A	RFME	10-MAY-89
P209589	TRG	SEP2389BR0410	ALUMINUM	5360	UG/G			A 46.5	A	RFME	10-MAY-89
P209589	TRG	SEP2389BR1015	ALUMINUM	5820	UG/G			A 45.3	A	RFME	10-MAY-89
P209689	TRG	SEP2489BR1218	ALUMINUM	8770	UG/G			A 47.8	A	RFME	03-MAY-89
P209689	TRG	SEP2489BR1824	ALUMINUM	9130	UG/G			A 48.9	A	RFME	03-MAY-89
P209689	TRG	SEP2489BR0612	ALUMINUM	9350	UG/G			A 46.3	A	RFME	03-MAY-89
P209789	TRG	SEP25890006	ALUMINUM	7460	UG/G			44.7		RFME	04-MAY-89
P209789	TRG	SEP25890608	ALUMINUM	5940	UG/G			44.1		RFME	04-MAY-89
P209789	TRG	SEP25891216	ALUMINUM	7800	UG/G			49.9		RFME	04-MAY-89
P209789	TRG	GSEP25890989001D	ALUMINUM	.200	MG/L		U	200		RFMS	13-SEP-89
P209789	TRG	GSEP25890989001	ALUMINUM	.200	MG/L		U	200		RFMS	13-SEP-89
P209889	TRG	SEP2689BR0004	ALUMINUM	10500	UG/G			V 47.2	A	RFME	11-MAY-89
P209889	TRG	SEP2689BR0410	ALUMINUM	6750	UG/G			V 48.7	A	RFME	11-MAY-89
P209889	TRG	SEP2689BR0410D	ALUMINUM	5350	UG/G			V 50.0	A	RFME	11-MAY-89
P209889	TRG	SEP2689BR1016	ALUMINUM	6570	UG/G			V 45.9	A	RFME	11-MAY-89
P210189	TRG	SEP3089BR2127	ALUMINUM	9630	UG/G			V 42.8	A	RFME	19-MAY-89
P210189	TRG	SEP3089BR0309	ALUMINUM	23000	UG/G			V 43.8	A	RFME	19-MAY-89
P210189	TRG	SEP3089BR0915	ALUMINUM	6390	UG/G			V 37.1	A	RFME	19-MAY-89
P210189	TRG	SEP3089BR1521	ALUMINUM	10700	UG/G			V 45.7	A	RFME	19-MAY-89
P210189	TRG	GSEP30890989001	ALUMINUM	.200	MG/L		U	200		RFMS	28-SEP-89
P210289	TRG	SEP3189BR0306	ALUMINUM	18200	UG/G			V 46.1	A	RFME	15-MAY-89
P210289	TRG	SEP3189BR0713	ALUMINUM	6310	UG/G			V 47.3	A	RFME	15-MAY-89
P210289	TRG	SEP3189BR1319	ALUMINUM	6130	UG/G			V 48.4	A	RFME	15-MAY-89
P210289	TRG	GSEP31890989001	ALUMINUM	.200	MG/L		U	200		RFMS	25-SEP-89
P207389	TRG	SEP0189BR0307	ANTIMONY	11.6	UG/G		U	11.6		RFME	05-JUN-89
P207389	TRG	SEP0189BR0713	ANTIMONY	14.1	UG/G		U	V 14.1	A	RFME	05-JUN-89
P207389	TRG	SEP0189BR1319	ANTIMONY	13.6	UG/G		U	V 13.6	A	RFME	05-JUN-89
P207389	TRG	GSEP01890989001	ANTIMONY	.0600	MG/L		U	60.0		RFMS	21-SEP-89
P207489	TRG	SEP02890003	ANTIMONY	13.0	UG/G		U	V 13.0	A	RFME	06-JUN-89
P207489	TRG	SEP02890306	ANTIMONY	11.5	UG/G		U	V 11.5	A	RFME	06-JUN-89
P207489	TRG	SEP02890610	ANTIMONY	11.0	UG/G		U	V 11.0	A	RFME	06-JUN-89
P207489	TRG	GSEP02890989001	ANTIMONY	.0600	MG/L		U	60.0		RFMS	20-SEP-89
P207589	TRG	SEP0389BR0309	ANTIMONY	13.8	UG/G		U	A 13.8	A	RFME	18-MAY-89
P207589	TRG	SEP0389BR0915	ANTIMONY	15.1	UG/G		U	A 15.1	A	RFME	18-MAY-89
P207589	TRG	SEP0389BR1521	ANTIMONY	14.0	UG/G		U	A 14.0	A	RFME	18-MAY-89
P207689	TRG	SEP04890612	ANTIMONY	14.7	UG/G		U	V 14.7	A	RFME	05-MAY-89
P207689	TRG	SEP04891215	ANTIMONY	14.3	UG/G		U	V 14.3	A	RFME	05-MAY-89
P207689	TRG	SEP04890006D	ANTIMONY	13.8	UG/G		U	V 13.8	A	RFME	05-MAY-89
P207689	TRG	GSEP04890989001	ANTIMONY	.0600	MG/L		U	V 60.0	A	RFMS	14-SEP-89
P207789	TRG	SEP0589BR0006	ANTIMONY	14.0	UG/G		U	V 14.0	A	RFME	05-MAY-89
P207789	TRG	SEP0589BR0613	ANTIMONY	13.6	UG/G		U	V 13.6	A	RFME	05-MAY-89
P207789	TRG	SEP0589BR1824	ANTIMONY	14.0	UG/G		U	V 14.0	A	RFME	05-MAY-89
P207789	TRG	SEP0589BR1318	ANTIMONY	14.7	UG/G		U	V 14.7	A	RFME	05-MAY-89
P207889	TRG	SEP06890003	ANTIMONY	15.5	UG/G		U	A 15.5	A	RFME	01-MAY-89
P207889	TRG	SEP06890306	ANTIMONY	14.3	UG/G		U	R 14.3	A	RFME	01-MAY-89
P207889	TRG	SEP06890306D	ANTIMONY	14.4	UG/G		U	A 14.4	A	RFME	01-MAY-89
P207889	TRG	GSEP06890989001	ANTIMONY	.0600	MG/L		U	V 60.0	A	RFMS	15-SEP-89
P207989	TRG	SEP0789BR1218	ANTIMONY	14.1	UG/G		U	A 14.1	A	RFME	02-MAY-89
P207989	TRG	SEP0789BR0003	ANTIMONY	12.5	UG/G		U	A 12.5	A	RFME	02-MAY-89
P207989	TRG	SEP0789BR0306	ANTIMONY	13.9	UG/G		U	A 13.9	A	RFME	02-MAY-89
P207989	TRG	SEP0789BR0612	ANTIMONY	14.9	UG/G		U	A 14.9	A	RFME	02-MAY-89
P208889	TRG	SEP1689BR0410	ANTIMONY	14.1	UG/G		U	A 14.1	A	RFME	09-MAY-89
P208889	TRG	SEP1689BR1016	ANTIMONY	13.6	UG/G		U	R 13.6	A	RFME	09-MAY-89
P208889	TRG	GSEP16890989001	ANTIMONY	.0600	MG/L		U	60.0		RFMS	17-OCT-89
P208989	TRG	SEP1789BR0003	ANTIMONY	13.4	UG/G		U	A 13.4	A	RFME	12-MAY-89
P208989	TRG	SEP1789BR0309	ANTIMONY	14.9	UG/G		U	R 14.9	A	RFME	12-MAY-89
P208989	TRG	SEP1789BR0915	ANTIMONY	14.0	UG/G		U	R 14.0	A	RFME	12-MAY-89
P209089	TRG	SEP1889BR1218D	ANTIMONY	14.4	UG/G		U	R 14.4	A	RFME	17-MAY-89

Location ID	--	Proj_Sample_No	Chemical	Result	Unit	Err	Qual.	D.Lmt	VA	Group	Smpl Date
P209089	TRG	SEP1889BR1824	ANTIMONY	13.9	UG/G		U	R 13.9	A	RFME	17-MAY-89
P209089	TRG	SEP1889BR0309	ANTIMONY	14.8	UG/G		U	R 14.8	A	RFME	17-MAY-89
P209089	TRG	SEP1889BR1218	ANTIMONY	14.6	UG/G		U	R 14.6	A	RFME	17-MAY-89
P209189	TRG	SEP1989BR0309	ANTIMONY	13.8	UG/G		U	13.8		RFME	25-MAY-89
P209189	TRG	SEP1989BR1016	ANTIMONY	13.8	UG/G		U	13.8		RFME	25-MAY-89
P209189	TRG	SEP1989BR1622D	ANTIMONY	14.8	UG/G		U	14.8		RFME	25-MAY-89
P209189	TRG	SEP1989BR1622	ANTIMONY	14.6	UG/G		U	14.6		RFME	25-MAY-89
P209189	TRG	GSEP19890989001	ANTIMONY	.0600	MG/L		U	60.0		RFMS	27-SEP-89
P209189	TRG	GSEP19890989001D	ANTIMONY	.0600	MG/L		U	60.0		RFMS	27-SEP-89
P209289	TRG	SEP20890003	ANTIMONY	13.1	UG/G		U	V 13.1	A	RFME	08-JUN-89
P209289	TRG	SEP20890912	ANTIMONY	13.8	UG/G		U	V 13.8	A	RFME	08-JUN-89
P209289	TRG	SEP20891418	ANTIMONY	10.9	UG/G		U	V 10.9	A	RFME	08-JUN-89
P209289	TRG	SEP20890309	ANTIMONY	13.5	UG/G		U	A 13.5	A	RFME	08-JUN-89
P209389	TRG	SEP2189BR0309	ANTIMONY	12.6	UG/G		U	V 12.6	A	RFME	07-JUN-89
P209389	TRG	SEP2189BR0912	ANTIMONY	13.3	UG/G		U	V 13.3	A	RFME	07-JUN-89
P209389	TRG	SEP2189BR1420	ANTIMONY	12.7	UG/G		U	V 12.7	A	RFME	07-JUN-89
P209389	TRG	SEP2189BR2026D	ANTIMONY	11.7	UG/G		U	A 11.7	A	RFME	07-JUN-89
P209389	TRG	SEP2189BR2026	ANTIMONY	9.5	UG/G		U	A 9.5	A	RFME	07-JUN-89
P209389	TRG	GSEP21890989001	ANTIMONY	.0600	MG/L		U	60.0		RFMS	18-SEP-89
P209489	TRG	SEP2289BR0307	ANTIMONY	12.7	UG/G		U	R 12.7	A	RFME	16-MAY-89
P209489	TRG	SEP2289BR0912	ANTIMONY	13.7	UG/G		U	A 13.7	A	RFME	16-MAY-89
P209489	TRG	SEP2289BR1416	ANTIMONY	13.2	UG/G		U	R 13.2	A	RFME	16-MAY-89
P209489	TRG	SEP2289BR1621	ANTIMONY	13.6	UG/G		U	R 13.6	A	RFME	16-MAY-89
P209489	TRG	SEP2289BR1213	ANTIMONY	13.2	UG/G		U	A 13.2	A	RFME	16-MAY-89
P209589	TRG	SEP2389BR0004	ANTIMONY	15.0	UG/G		U	A 15.0	A	RFME	10-MAY-89
P209589	TRG	SEP2389BR0410	ANTIMONY	14.0	UG/G		U	A 14.0	A	RFME	10-MAY-89
P209589	TRG	SEP2389BR1015	ANTIMONY	13.6	UG/G		U	A 13.6	A	RFME	10-MAY-89
P209689	TRG	SEP2489BR1218	ANTIMONY	14.3	UG/G		U	A 14.3	A	RFME	03-MAY-89
P209689	TRG	SEP2489BR1824	ANTIMONY	14.7	UG/G		U	A 14.7	A	RFME	03-MAY-89
P209689	TRG	SEP2489BR0612	ANTIMONY	13.9	UG/G		U	A 13.9	A	RFME	03-MAY-89
P209789	TRG	SEP25890006	ANTIMONY	13.4	UG/G		U	13.4		RFME	04-MAY-89
P209789	TRG	SEP25890608	ANTIMONY	13.2	UG/G		U	13.2		RFME	04-MAY-89
P209789	TRG	SEP25891216	ANTIMONY	15.0	UG/G		U	15.0		RFME	04-MAY-89
P209789	TRG	GSEP25890989001	ANTIMONY	.0600	MG/L		U	60.0		RFMS	13-SEP-89
P209789	TRG	GSEP25890989001D	ANTIMONY	.0600	MG/L		U	60.0		RFMS	13-SEP-89
P209889	TRG	SEP2689BR0004	ANTIMONY	14.2	UG/G		U	A 14.2	A	RFME	11-MAY-89
P209889	TRG	SEP2689BR0410	ANTIMONY	14.6	UG/G		U	A 14.6	A	RFME	11-MAY-89
P209889	TRG	SEP2689BR0410D	ANTIMONY	15.0	UG/G		U	R 15.0	A	RFME	11-MAY-89
P209889	TRG	SEP2689BR1016	ANTIMONY	13.8	UG/G		U	A 13.8	A	RFME	11-MAY-89
P210189	TRG	SEP3089BR2127	ANTIMONY	12.8	UG/G		U	V 12.8	A	RFME	19-MAY-89
P210189	TRG	SEP3089BR0309	ANTIMONY	13.1	UG/G		U	V 13.1	A	RFME	19-MAY-89
P210189	TRG	SEP3089BR0915	ANTIMONY	11.1	UG/G		U	V 11.1	A	RFME	19-MAY-89
P210189	TRG	SEP3089BR1521	ANTIMONY	13.7	UG/G		U	V 13.7	A	RFME	19-MAY-89
P210189	TRG	GSEP30890989001	ANTIMONY	.0600	MG/L		U	60.0		RFMS	28-SEP-89
P210289	TRG	SEP3189BR1319	ANTIMONY	14.5	UG/G		U	A 14.5	A	RFME	15-MAY-89
P210289	TRG	SEP3189BR0306	ANTIMONY	13.8	UG/G		U	A 13.8	A	RFME	15-MAY-89
P210289	TRG	SEP3189BR0713	ANTIMONY	14.2	UG/G		U	R 14.2	A	RFME	15-MAY-89
P210289	TRG	GSEP31890989001	ANTIMONY	.0600	MG/L		U	60.0		RFMS	25-SEP-89
P207389	TRG	SEP0189BR0307	ARSENIC	2.6	UG/G			1.5		RFME	05-JUN-89
P207389	TRG	SEP0189BR0713	ARSENIC	2.2	UG/G		U	A 2.2	A	RFME	05-JUN-89
P207389	TRG	SEP0189BR1319	ARSENIC	3.9	UG/G			A 2.2	A	RFME	05-JUN-89
P207389	TRG	GSEP01890989001	ARSENIC	.0100	MG/L		U	10.0		RFMS	21-SEP-89
P207489	TRG	SEP02890003	ARSENIC	8.8	UG/G			A 4.7	A	RFME	06-JUN-89
P207489	TRG	SEP02890306	ARSENIC	2.5	UG/G			A 1.8	A	RFME	06-JUN-89
P207489	TRG	SEP02890610	ARSENIC	2.2	UG/G		U	A 2.2	A	RFME	06-JUN-89
P207489	TRG	GSEP02890989001	ARSENIC	.0100	MG/L		U	10.0		RFMS	20-SEP-89
P207589	TRG	SEP0389BR0309	ARSENIC	2.3	UG/G		U	A 2.3	A	RFME	18-MAY-89
P207589	TRG	SEP0389BR1521	ARSENIC	9.1	UG/G			V 2.4	A	RFME	18-MAY-89

Location ID		Proj_Sample_No	Chemical	Result	Unit	Err	Qual.		D.Lmt	VA	Group	Smpl Date
P207589	TRG	SEP0389BR0915	ARSENIC	17.1	UG/G			A	2.4	A	RFME	18-MAY-89
P207689	TRG	SEP04890612	ARSENIC	2.5	UG/G		U	V	2.5	A	RFME	05-MAY-89
P207689	TRG	SEP04891215	ARSENIC	3.2	UG/G			V	2.5	A	RFME	05-MAY-89
P207689	TRG	SEP048900060	ARSENIC	4.5	UG/G			A	4.5	A	RFME	05-MAY-89
P207689	TRG	GSEP04890989001	ARSENIC	.0100	MG/L		U	R	10.0	A	RFMS	14-SEP-89
P207789	TRG	SEP0589BR0006	ARSENIC	5.4	UG/G			A	4.6	A	RFME	05-MAY-89
P207789	TRG	SEP0589BR1318	ARSENIC	5.6	UG/G			A	4.9	A	RFME	05-MAY-89
P207789	TRG	SEP0589BR1824	ARSENIC	2.4	UG/G		U	V	2.4	A	RFME	05-MAY-89
P207789	TRG	SEP0589BR0613	ARSENIC	2.8	UG/G			V	2.3	A	RFME	05-MAY-89
P207889	TRG	SEP06890003	ARSENIC	9.9	UG/G			V	2.5	A	RFME	01-MAY-89
P207889	TRG	SEP068903060	ARSENIC	4.4	UG/G			V	2.3	A	RFME	01-MAY-89
P207889	TRG	SEP06890306	ARSENIC	2.8	UG/G			V	2.3	A	RFME	01-MAY-89
P207889	TRG	GSEP06890989001	ARSENIC	.0100	MG/L		U	R	10.0	A	RFMS	15-SEP-89
P207989	TRG	SEP0789BR1218	ARSENIC	2.4	UG/G		U	V	2.4	A	RFME	02-MAY-89
P207989	TRG	SEP0789BR0003	ARSENIC	4.8	UG/G			V	2.1	A	RFME	02-MAY-89
P207989	TRG	SEP0789BR0306	ARSENIC	5.3	UG/G			V	2.4	A	RFME	02-MAY-89
P207989	TRG	SEP0789BR0612	ARSENIC	7.3	UG/G			V	2.5	A	RFME	02-MAY-89
P208889	TRG	SEP1689BR0410	ARSENIC	2.6	UG/G			V	2.5	A	RFME	09-MAY-89
P208889	TRG	SEP1689BR1016	ARSENIC	7.7	UG/G			V	2.3	A	RFME	09-MAY-89
P208889	TRG	GSEP16890989001	ARSENIC	.0100	MG/L		U		10.0		RFMS	17-OCT-89
P208989	TRG	SEP1789BR0003	ARSENIC	10.7	UG/G			A	2.3	A	RFME	12-MAY-89
P208989	TRG	SEP1789BR0915	ARSENIC	2.6	UG/G			V	2.4	A	RFME	12-MAY-89
P208989	TRG	SEP1789BR0309	ARSENIC	15.5	UG/G			V	2.5	A	RFME	12-MAY-89
P209089	TRG	SEP1889BR1218D	ARSENIC	2.3	UG/G		U	A	2.3	A	RFME	17-MAY-89
P209089	TRG	SEP1889BR1824	ARSENIC	2.3	UG/G		U	A	2.3	A	RFME	17-MAY-89
P209089	TRG	SEP1889BR0309	ARSENIC	6.8	UG/G			V	2.4	A	RFME	17-MAY-89
P209089	TRG	SEP1889BR1218	ARSENIC	2.4	UG/G		U	A	2.4	A	RFME	17-MAY-89
P209189	TRG	SEP1989BR0309	ARSENIC	13.6	UG/G				2.3		RFME	25-MAY-89
P209189	TRG	SEP1989BR1016	ARSENIC	8.7	UG/G				2.3		RFME	25-MAY-89
P209189	TRG	SEP1989BR1622D	ARSENIC	2.6	UG/G				2.4		RFME	25-MAY-89
P209189	TRG	SEP1989BR1622	ARSENIC	5.3	UG/G				2.4		RFME	25-MAY-89
P209189	TRG	GSEP19890989001	ARSENIC	.0100	MG/L		U		10.0		RFMS	27-SEP-89
P209189	TRG	GSEP19890989001D	ARSENIC	.0100	MG/L		U		10.0		RFMS	27-SEP-89
P209289	TRG	SEP20890309	ARSENIC	5.6	UG/G			V	2.0	A	RFME	08-JUN-89
P209289	TRG	SEP20890912	ARSENIC	2.8	UG/G			V	1.9	A	RFME	08-JUN-89
P209289	TRG	SEP20891418	ARSENIC	6.8	UG/G			V	2.5	A	RFME	08-JUN-89
P209289	TRG	SEP20890003	ARSENIC	4.5	UG/G			V	1.9	A	RFME	08-JUN-89
P209389	TRG	SEP2189BR0309	ARSENIC	2.6	UG/G			V	1.9	A	RFME	07-JUN-89
P209389	TRG	SEP2189BR2026D	ARSENIC	2.2	UG/G			V	2.0	A	RFME	07-JUN-89
P209389	TRG	SEP2189BR0912	ARSENIC	2.1	UG/G		U	V	2.1	A	RFME	07-JUN-89
P209389	TRG	SEP2189BR2026	ARSENIC	3.1	UG/G			V	1.8	A	RFME	07-JUN-89
P209389	TRG	SEP2189BR1420	ARSENIC	5.6	UG/G			V	2.2	A	RFME	07-JUN-89
P209389	TRG	GSEP21890989001	ARSENIC	.0100	MG/L		U		10.0		RFMS	18-SEP-89
P209489	TRG	SEP2289BR0307	ARSENIC	5.0	UG/G			V	2.2	A	RFME	16-MAY-89
P209489	TRG	SEP2289BR1213	ARSENIC	24.6	UG/G			V	4.2	A	RFME	16-MAY-89
P209489	TRG	SEP2289BR1621	ARSENIC	15.7	UG/G			V	2.2	A	RFME	16-MAY-89
P209489	TRG	SEP2289BR1416	ARSENIC	4.4	UG/G			V	2.2	A	RFME	16-MAY-89
P209489	TRG	SEP2289BR0912	ARSENIC	4.3	UG/G			V	2.3	A	RFME	16-MAY-89
P209589	TRG	SEP2389BR0004	ARSENIC	6.4	UG/G			V	2.5	A	RFME	10-MAY-89
P209589	TRG	SEP2389BR1015	ARSENIC	5.1	UG/G			V	2.3	A	RFME	10-MAY-89
P209589	TRG	SEP2389BR0410	ARSENIC	2.3	UG/G		U	A	2.3	A	RFME	10-MAY-89
P209689	TRG	SEP2489BR1218	ARSENIC	12.5	UG/G			V	4.7	A	RFME	03-MAY-89
P209689	TRG	SEP2489BR1824	ARSENIC	2.5	UG/G		U	V	2.5	A	RFME	03-MAY-89
P209689	TRG	SEP2489BR0612	ARSENIC	2.3	UG/G		U	V	2.3	A	RFME	03-MAY-89
P209789	TRG	SEP25890006	ARSENIC	2.2	UG/G				2.1		RFME	04-MAY-89
P209789	TRG	SEP25891216	ARSENIC	49.9	UG/G		U		49.9		RFME	04-MAY-89
P209789	TRG	SEP25890608	ARSENIC	2.2	UG/G		U		2.2		RFME	04-MAY-89
P209789	TRG	GSEP25890989001	ARSENIC	.0100	MG/L		U		10.0		RFMS	13-SEP-89

Location ID		Proj_Sample_No	Chemical	Result	Unit	Err	Qual.	D.Lmt	VA	Group	Smpl Date
P209789	TRG	GSEP25890989001D	ARSENIC	.0100	MG/L		U	10.0		RFMS	13-SEP-89
P209889	TRG	SEP2689BR0004	ARSENIC	3.6	UG/G			V 2.4	A	RFME	11-MAY-89
P209889	TRG	SEP2689BR1016	ARSENIC	2.6	UG/G			V 2.4	A	RFME	11-MAY-89
P209889	TRG	SEP2689BR0410	ARSENIC	2.5	UG/G			V 2.4	A	RFME	11-MAY-89
P209889	TRG	SEP2689BR0410D	ARSENIC	3.5	UG/G			V 2.5	A	RFME	11-MAY-89
P210189	TRG	SEP3089BR2127	ARSENIC	3.8	UG/G			V 2.4	A	RFME	19-MAY-89
P210189	TRG	SEP3089BR0309	ARSENIC	2.8	UG/G			A 2.2	A	RFME	19-MAY-89
P210189	TRG	SEP3089BR0915	ARSENIC	1.9	UG/G		U	V 1.9	A	RFME	19-MAY-89
P210189	TRG	SEP3089BR1521	ARSENIC	2.8	UG/G			V 2.1	A	RFME	19-MAY-89
P210189	TRG	GSEP30890989001	ARSENIC	.0100	MG/L		U	10.0		RFMS	28-SEP-89
P210289	TRG	SEP3189BR1319	ARSENIC	7.3	UG/G			V 2.5	A	RFME	15-MAY-89
P210289	TRG	SEP3189BR0306	ARSENIC	14.1	UG/G			V 2.3	A	RFME	15-MAY-89
P210289	TRG	SEP3189BR0713	ARSENIC	3.1	UG/G			V 2.3	A	RFME	15-MAY-89
P210289	TRG	GSEP31890989001	ARSENIC	.0100	MG/L		U	10.0		RFMS	25-SEP-89
P207389	TRG	SEP0189BR0307	BARIUM	74.5	UG/G			38.8		RFME	05-JUN-89
P207389	TRG	SEP0189BR0713	BARIUM	48.2	UG/G			A 47.0	A	RFME	05-JUN-89
P207389	TRG	SEP0189BR1319	BARIUM	63.8	UG/G			A 45.4	A	RFME	05-JUN-89
P207389	TRG	GSEP01890989001	BARIUM	.200	MG/L		U	200		RFMS	21-SEP-89
P207489	TRG	SEP02890003	BARIUM	56.7	UG/G			43.4	A	RFME	06-JUN-89
P207489	TRG	SEP02890610	BARIUM	40.4	UG/G			36.7	A	RFME	06-JUN-89
P207489	TRG	SEP02890306	BARIUM	120	UG/G			38.4	A	RFME	06-JUN-89
P207489	TRG	GSEP02890989001	BARIUM	.200	MG/L		U	200		RFMS	20-SEP-89
P207589	TRG	SEP0389BR0309	BARIUM	155	UG/G			V 45.9	A	RFME	18-MAY-89
P207589	TRG	SEP0389BR1521	BARIUM	46.7	UG/G		U	V 46.7	A	RFME	18-MAY-89
P207589	TRG	SEP0389BR0915	BARIUM	128	UG/G			V 50.2	A	RFME	18-MAY-89
P207689	TRG	SEP04890612	BARIUM	76.9	UG/G			A 49.1	A	RFME	05-MAY-89
P207689	TRG	SEP04891215	BARIUM	47.7	UG/G		U	A 47.7	A	RFME	05-MAY-89
P207689	TRG	SEP04890006D	BARIUM	147	UG/G			A 45.9	A	RFME	05-MAY-89
P207689	TRG	GSEP04890989001	BARIUM	.200	MG/L		U	V 200	A	RFMS	14-SEP-89
P207789	TRG	SEP0589BR0006	BARIUM	152	UG/G			A 46.6	A	RFME	05-MAY-89
P207789	TRG	SEP0589BR1824	BARIUM	46.7	UG/G		U	A 46.7	A	RFME	05-MAY-89
P207789	TRG	SEP0589BR1318	BARIUM	202	UG/G			A 49.0	A	RFME	05-MAY-89
P207789	TRG	SEP0589BR0613	BARIUM	64.3	UG/G			A 45.3	A	RFME	05-MAY-89
P207889	TRG	SEP06890003	BARIUM	269	UG/G			V 51.7	A	RFME	01-MAY-89
P207889	TRG	SEP06890306D	BARIUM	108	UG/G			V 47.9	A	RFME	01-MAY-89
P207889	TRG	SEP06890306	BARIUM	122	UG/G			V 47.7	A	RFME	01-MAY-89
P207889	TRG	GSEP06890989001	BARIUM	.200	MG/L		U	V 200	A	RFMS	15-SEP-89
P207989	TRG	SEP0789BR1218	BARIUM	70.1	UG/G			V 47.0	A	RFME	02-MAY-89
P207989	TRG	SEP0789BR0003	BARIUM	82.0	UG/G			V 41.7	A	RFME	02-MAY-89
P207989	TRG	SEP0789BR0306	BARIUM	119	UG/G			V 46.2	A	RFME	02-MAY-89
P207989	TRG	SEP0789BR0612	BARIUM	216	UG/G			V 49.8	A	RFME	02-MAY-89
P208889	TRG	SEP1689BR0410	BARIUM	11600	UG/G			V 47.1	A	RFME	09-MAY-89
P208889	TRG	SEP1689BR1016	BARIUM	59.5	UG/G			V 45.4	A	RFME	09-MAY-89
P208889	TRG	GSEP16890989001	BARIUM	.200	MG/L		U	200		RFMS	17-OCT-89
P208989	TRG	SEP1789BR0003	BARIUM	76.1	UG/G			V 44.6	A	RFME	12-MAY-89
P208989	TRG	SEP1789BR0915	BARIUM	1100	UG/G			V 46.8	A	RFME	12-MAY-89
P208989	TRG	SEP1789BR0309	BARIUM	199	UG/G			V 49.7	A	RFME	12-MAY-89
P209089	TRG	SEP1889BR1218D	BARIUM	73.0	UG/G			V 47.9	A	RFME	17-MAY-89
P209089	TRG	SEP1889BR1824	BARIUM	46.2	UG/G		U	V 46.2	A	RFME	17-MAY-89
P209089	TRG	SEP1889BR0309	BARIUM	196	UG/G			A 49.4	A	RFME	17-MAY-89
P209089	TRG	SEP1889BR1218	BARIUM	77.4	UG/G			V 48.7	A	RFME	17-MAY-89
P209189	TRG	SEP1989BR0309	BARIUM	48.0	UG/G			46.1		RFME	25-MAY-89
P209189	TRG	SEP1989BR1016	BARIUM	46.0	UG/G		U	46.0		RFME	25-MAY-89
P209189	TRG	SEP1989BR1622D	BARIUM	90.7	UG/G			49.4		RFME	25-MAY-89
P209189	TRG	SEP1989BR1622	BARIUM	97.2	UG/G			48.5		RFME	25-MAY-89
P209189	TRG	GSEP19890989001	BARIUM	.200	MG/L		U	200		RFMS	27-SEP-89
P209189	TRG	GSEP19890989001D	BARIUM	.200	MG/L		U	200		RFMS	27-SEP-89
P209289	TRG	SEP20890309	BARIUM	91.0	UG/G			V 45.1	A	RFME	08-JUN-89

Location ID	--	Proj_Sample_No	Chemical	Result	Unit	Err	Qual.	D.Lmt	VA	Group	Smpl Date
P209289	TRG	SEP20890912	BARIUM	56.3	UG/G			V 46.0	A	RFME	08-JUN-89
P209289	TRG	SEP20891418	BARIUM	73.6	UG/G			V 36.3	A	RFME	08-JUN-89
P209289	TRG	SEP20890003	BARIUM	82.0	UG/G			V 43.6	A	RFME	08-JUN-89
P209389	TRG	SEP2189BR0309	BARIUM	58.2	UG/G			V 42.1	A	RFME	07-JUN-89
P209389	TRG	SEP2189BR0912	BARIUM	75.0	UG/G			V 44.4	A	RFME	07-JUN-89
P209389	TRG	SEP2189BR2026	BARIUM	93.0	UG/G			V 31.7	A	RFME	07-JUN-89
P209389	TRG	SEP2189BR2026D	BARIUM	73.8	UG/G			V 38.9	A	RFME	07-JUN-89
P209389	TRG	SEP2189BR1420	BARIUM	96.0	UG/G			V 42.4	A	RFME	07-JUN-89
P209389	TRG	GSEP21890989001	BARIUM	.200	MG/L		U	200		RFMS	18-SEP-89
P209489	TRG	SEP2289BR0307	BARIUM	76.4	UG/G			V 42.4	A	RFME	16-MAY-89
P209489	TRG	SEP2289BR1621	BARIUM	52.5	UG/G			V 45.2	A	RFME	16-MAY-89
P209489	TRG	SEP2289BR1416	BARIUM	49.5	UG/G			V 44.1	A	RFME	16-MAY-89
P209489	TRG	SEP2289BR0912	BARIUM	55.4	UG/G			V 45.8	A	RFME	16-MAY-89
P209489	TRG	SEP2289BR1213	BARIUM	44.1	UG/G		U	V 44.1	A	RFME	16-MAY-89
P209589	TRG	SEP2389BR0004	BARIUM	97.6	UG/G			V 50.1	A	RFME	10-MAY-89
P209589	TRG	SEP2389BR1015	BARIUM	45.3	UG/G		U	V 45.3	A	RFME	10-MAY-89
P209589	TRG	SEP2389BR0410	BARIUM	46.5	UG/G		U	V 46.5	A	RFME	10-MAY-89
P209689	TRG	SEP2489BR1218	BARIUM	174	UG/G			V 47.8	A	RFME	03-MAY-89
P209689	TRG	SEP2489BR1824	BARIUM	90.5	UG/G			V 48.9	A	RFME	03-MAY-89
P209689	TRG	SEP2489BR0612	BARIUM	46.3	UG/G		U	V 46.3	A	RFME	03-MAY-89
P209789	TRG	SEP25890006	BARIUM	50.4	UG/G			44.7		RFME	04-MAY-89
P209789	TRG	SEP25891216	BARIUM	69.4	UG/G			49.9		RFME	04-MAY-89
P209789	TRG	SEP25890608	BARIUM	44.1	UG/G		U	44.1		RFME	04-MAY-89
P209789	TRG	GSEP25890989001	BARIUM	.200	MG/L		U	200		RFMS	13-SEP-89
P209789	TRG	GSEP25890989001D	BARIUM	.200	MG/L		U	200		RFMS	13-SEP-89
P209889	TRG	SEP2689BR0004	BARIUM	152	UG/G			V 47.2	A	RFME	11-MAY-89
P209889	TRG	SEP2689BR0410	BARIUM	55.5	UG/G			V 48.7	A	RFME	11-MAY-89
P209889	TRG	SEP2689BR0410D	BARIUM	181	UG/G			V 50.0	A	RFME	11-MAY-89
P209889	TRG	SEP2689BR1016	BARIUM	45.9	UG/G		U	V 45.9	A	RFME	11-MAY-89
P210189	TRG	SEP3089BR2127	BARIUM	169	UG/G			V 42.8	A	RFME	19-MAY-89
P210189	TRG	SEP3089BR0309	BARIUM	82.0	UG/G			V 43.8	A	RFME	19-MAY-89
P210189	TRG	SEP3089BR1521	BARIUM	203	UG/G			V 45.7	A	RFME	19-MAY-89
P210189	TRG	SEP3089BR0915	BARIUM	37.1	UG/G		U	V 37.1	A	RFME	19-MAY-89
P210189	TRG	GSEP30890989001	BARIUM	.215	MG/L			200		RFMS	28-SEP-89
P210289	TRG	SEP3189BR1319	BARIUM	48.4	UG/G		U	V 48.4	A	RFME	15-MAY-89
P210289	TRG	SEP3189BR0306	BARIUM	144	UG/G			V 46.1	A	RFME	15-MAY-89
P210289	TRG	SEP3189BR0713	BARIUM	254	UG/G			V 47.3	A	RFME	15-MAY-89
P210289	TRG	GSEP31890989001	BARIUM	.200	MG/L		U	200		RFMS	25-SEP-89
P207389	TRG	SEP0189BR0307	BERYLLIUM	2.4	UG/G			0.97		RFME	05-JUN-89
P207389	TRG	SEP0189BR0713	BERYLLIUM	1.9	UG/G			A 1.2	A	RFME	05-JUN-89
P207389	TRG	SEP0189BR1319	BERYLLIUM	2.1	UG/G			A 1.1	A	RFME	05-JUN-89
P207389	TRG	GSEP01890989001	BERYLLIUM	.0050	MG/L		U	5.0		RFMS	21-SEP-89
P207489	TRG	SEP02890003	BERYLLIUM	2.0	UG/G			V 1.1	A	RFME	06-JUN-89
P207489	TRG	SEP02890306	BERYLLIUM	8.7	UG/G			V 0.96	A	RFME	06-JUN-89
P207489	TRG	SEP02890610	BERYLLIUM	1.4	UG/G			V 0.92	A	RFME	06-JUN-89
P207489	TRG	GSEP02890989001	BERYLLIUM	.0050	MG/L		U	5.0		RFMS	20-SEP-89
P207589	TRG	SEP0389BR0309	BERYLLIUM	3.2	UG/G			A 1.1	A	RFME	18-MAY-89
P207589	TRG	SEP0389BR0915	BERYLLIUM	3.1	UG/G			A 1.3	A	RFME	18-MAY-89
P207589	TRG	SEP0389BR1521	BERYLLIUM	2.8	UG/G			A 1.2	A	RFME	18-MAY-89
P207689	TRG	SEP04890612	BERYLLIUM	2.1	UG/G			A 1.2	A	RFME	05-MAY-89
P207689	TRG	SEP04891215	BERYLLIUM	2.3	UG/G			A 1.2	A	RFME	05-MAY-89
P207689	TRG	SEP04890006D	BERYLLIUM	2.7	UG/G			A 1.1	A	RFME	05-MAY-89
P207689	TRG	GSEP04890989001	BERYLLIUM	.0050	MG/L		U	V 5.0	A	RFMS	14-SEP-89
P207789	TRG	SEP0589BR0613	BERYLLIUM	2.3	UG/G			A 1.1	A	RFME	05-MAY-89
P207789	TRG	SEP0589BR1318	BERYLLIUM	3.0	UG/G			A 1.2	A	RFME	05-MAY-89
P207789	TRG	SEP0589BR1824	BERYLLIUM	1.9	UG/G			A 1.2	A	RFME	05-MAY-89
P207789	TRG	SEP0589BR0006	BERYLLIUM	2.5	UG/G			A 1.2	A	RFME	05-MAY-89
P207889	TRG	SEP06890003	BERYLLIUM	9.1	UG/G			V 1.3	A	RFME	01-MAY-89

Location ID		Proj_Sample_No	Chemical	Result	Unit	Err	Qual.	D.Lmt	VA	Group	Smpl Date
P207889	TRG	SEP06890306	BERYLLIUM	3.2	UG/G			A 1.2	A	RFME	01-MAY-89
P207889	TRG	SEP06890306D	BERYLLIUM	2.3	UG/G			A 1.2	A	RFME	01-MAY-89
P207889	TRG	GSEP06890989001	BERYLLIUM	.0050	MG/L		U	V 5.0	A	RFMS	15-SEP-89
P207989	TRG	SEP0789BR1218	BERYLLIUM	2.5	UG/G			V 1.2	A	RFME	02-MAY-89
P207989	TRG	SEP0789BR0003	BERYLLIUM	1.9	UG/G			V 1.0	A	RFME	02-MAY-89
P207989	TRG	SEP0789BR0306	BERYLLIUM	3.1	UG/G			A 1.2	A	RFME	02-MAY-89
P207989	TRG	SEP0789BR0612	BERYLLIUM	3.5	UG/G			V 1.2	A	RFME	02-MAY-89
P208889	TRG	SEP1689BR0410	BERYLLIUM	2.5	UG/G			V 1.2	A	RFME	09-MAY-89
P208889	TRG	SEP1689BR1016	BERYLLIUM	1.5	UG/G			A 1.1	A	RFME	09-MAY-89
P208889	TRG	GSEP16890989001	BERYLLIUM	.0050	MG/L		U	5.0		RFMS	17-OCT-89
P208989	TRG	SEP1789BR0003	BERYLLIUM	1.6	UG/G			A 1.1	A	RFME	12-MAY-89
P208989	TRG	SEP1789BR0309	BERYLLIUM	2.1	UG/G			V 1.2	A	RFME	12-MAY-89
P208989	TRG	SEP1789BR0915	BERYLLIUM	1.5	UG/G			A 1.2	A	RFME	12-MAY-89
P209089	TRG	SEP1889BR1218D	BERYLLIUM	2.2	UG/G			V 1.2	A	RFME	17-MAY-89
P209089	TRG	SEP1889BR1824	BERYLLIUM	1.4	UG/G			A 1.2	A	RFME	17-MAY-89
P209089	TRG	SEP1889BR0309	BERYLLIUM	4.2	UG/G			A 1.2	A	RFME	17-MAY-89
P209089	TRG	SEP1889BR1218	BERYLLIUM	1.8	UG/G			V 1.2	A	RFME	17-MAY-89
P209189	TRG	SEP1989BR1016	BERYLLIUM	2.1	UG/G			1.2		RFME	25-MAY-89
P209189	TRG	SEP1989BR1622	BERYLLIUM	2.7	UG/G			1.2		RFME	25-MAY-89
P209189	TRG	SEP1989BR1622D	BERYLLIUM	2.5	UG/G			1.2		RFME	25-MAY-89
P209189	TRG	SEP1989BR0309	BERYLLIUM	4.5	UG/G			1.2		RFME	25-MAY-89
P209189	TRG	GSEP19890989001	BERYLLIUM	.0050	MG/L		U	5.0		RFMS	27-SEP-89
P209189	TRG	GSEP19890989001D	BERYLLIUM	.0050	MG/L		U	5.0		RFMS	27-SEP-89
P209289	TRG	SEP20890309	BERYLLIUM	2.6	UG/G			V 1.1	A	RFME	08-JUN-89
P209289	TRG	SEP20891418	BERYLLIUM	7.2	UG/G			A 0.90	A	RFME	08-JUN-89
P209289	TRG	SEP20890912	BERYLLIUM	2.7	UG/G			V 1.2	A	RFME	08-JUN-89
P209289	TRG	SEP20890003	BERYLLIUM	4.1	UG/G			V 1.1	A	RFME	08-JUN-89
P209389	TRG	SEP2189BR0309	BERYLLIUM	7.9	UG/G			A 1.1	A	RFME	07-JUN-89
P209389	TRG	SEP2189BR2026D	BERYLLIUM	2.9	UG/G			V 0.97	A	RFME	07-JUN-89
P209389	TRG	SEP2189BR2026	BERYLLIUM	2.5	UG/G			V 0.79	A	RFME	07-JUN-89
P209389	TRG	SEP2189BR1420	BERYLLIUM	2.7	UG/G			V 1.1	A	RFME	07-JUN-89
P209389	TRG	SEP2189BR0912	BERYLLIUM	2.9	UG/G			V 1.1	A	RFME	07-JUN-89
P209389	TRG	GSEP21890989001	BERYLLIUM	.0050	MG/L		U	5.0		RFMS	18-SEP-89
P209489	TRG	SEP2289BR0912	BERYLLIUM	1.7	UG/G			A 1.1	A	RFME	16-MAY-89
P209489	TRG	SEP2289BR1416	BERYLLIUM	1.3	UG/G			A 1.1	A	RFME	16-MAY-89
P209489	TRG	SEP2289BR1621	BERYLLIUM	1.1	UG/G		U	A 1.1	A	RFME	16-MAY-89
P209489	TRG	SEP2289BR1213	BERYLLIUM	1.5	UG/G			A 1.1	A	RFME	16-MAY-89
P209489	TRG	SEP2289BR0307	BERYLLIUM	1.3	UG/G			A 1.1	A	RFME	16-MAY-89
P209589	TRG	SEP2389BR0004	BERYLLIUM	3.5	UG/G			V 1.3	A	RFME	10-MAY-89
P209589	TRG	SEP2389BR0410	BERYLLIUM	1.4	UG/G			A 1.2	A	RFME	10-MAY-89
P209589	TRG	SEP2389BR1015	BERYLLIUM	1.9	UG/G			A 1.1	A	RFME	10-MAY-89
P209689	TRG	SEP2489BR1218	BERYLLIUM	4.1	UG/G			A 1.2	A	RFME	03-MAY-89
P209689	TRG	SEP2489BR1824	BERYLLIUM	2.7	UG/G			V 1.2	A	RFME	03-MAY-89
P209689	TRG	SEP2489BR0612	BERYLLIUM	2.3	UG/G			V 1.2	A	RFME	03-MAY-89
P209789	TRG	SEP25890006	BERYLLIUM	1.7	UG/G			1.1		RFME	04-MAY-89
P209789	TRG	SEP25891216	BERYLLIUM	2.2	UG/G			1.2		RFME	04-MAY-89
P209789	TRG	SEP25890608	BERYLLIUM	1.5	UG/G			1.1		RFME	04-MAY-89
P209789	TRG	GSEP25890989001D	BERYLLIUM	.0050	MG/L		U	5.0		RFMS	13-SEP-89
P209789	TRG	GSEP25890989001	BERYLLIUM	.0050	MG/L		U	5.0		RFMS	13-SEP-89
P209889	TRG	SEP2689BR0004	BERYLLIUM	2.9	UG/G			V 1.2	A	RFME	11-MAY-89
P209889	TRG	SEP2689BR1016	BERYLLIUM	2.5	UG/G			V 1.1	A	RFME	11-MAY-89
P209889	TRG	SEP2689BR0410D	BERYLLIUM	1.9	UG/G			A 1.3	A	RFME	11-MAY-89
P209889	TRG	SEP2689BR0410	BERYLLIUM	2.1	UG/G			A 1.2	A	RFME	11-MAY-89
P210189	TRG	SEP3089BR2127	BERYLLIUM	1.2	UG/G			V 1.1	A	RFME	19-MAY-89
P210189	TRG	SEP3089BR0309	BERYLLIUM	1.7	UG/G			V 1.1	A	RFME	19-MAY-89
P210189	TRG	SEP3089BR0915	BERYLLIUM	0.93	UG/G		U	V 0.93	A	RFME	19-MAY-89
P210189	TRG	SEP3089BR1521	BERYLLIUM	1.1	UG/G		U	V 1.1	A	RFME	19-MAY-89
P210189	TRG	GSEP30890989001	BERYLLIUM	.0050	MG/L		U	5.0		RFMS	28-SEP-89

Location ID		Proj_Sample_No	Chemical	Result	Unit	Err	Qual.		D.Lmt	VA	Group	Smpl Date
P210289	TRG	SEP3189BR1319	BERYLLIUM	2.4	UG/G			V	1.2	A	RFME	15-MAY-89
P210289	TRG	SEP3189BR0306	BERYLLIUM	5.5	UG/G			V	1.2	A	RFME	15-MAY-89
P210289	TRG	SEP3189BR0713	BERYLLIUM	2.5	UG/G			V	1.2	A	RFME	15-MAY-89
P210289	TRG	GSEP31890989001	BERYLLIUM	.0050	MG/L		U		5.0		RFMS	25-SEP-89
P207389	TRG	SEP0189BR0307	CADMIUM	0.97	UG/G		U		0.97		RFME	05-JUN-89
P207389	TRG	SEP0189BR0713	CADMIUM	1.2	UG/G		U	V	1.2	A	RFME	05-JUN-89
P207389	TRG	SEP0189BR1319	CADMIUM	1.1	UG/G		U	V	1.1	A	RFME	05-JUN-89
P207389	TRG	GSEP01890989001	CADMIUM	.0050	MG/L		U		5.0		RFMS	21-SEP-89
P207489	TRG	SEP02890003	CADMIUM	1.1	UG/G		U	V	1.1	A	RFME	06-JUN-89
P207489	TRG	SEP02890306	CADMIUM	0.96	UG/G		U	V	0.96	A	RFME	06-JUN-89
P207489	TRG	SEP02890610	CADMIUM	0.92	UG/G		U	V	0.92	A	RFME	06-JUN-89
P207489	TRG	GSEP02890989001	CADMIUM	.0050	MG/L		U		5.0		RFMS	20-SEP-89
P207589	TRG	SEP0389BR0309	CADMIUM	1.1	UG/G		U	R	1.1	A	RFME	18-MAY-89
P207589	TRG	SEP0389BR0915	CADMIUM	1.3	UG/G		U	R	1.3	A	RFME	18-MAY-89
P207589	TRG	SEP0389BR1521	CADMIUM	1.2	UG/G		U	R	1.2	A	RFME	18-MAY-89
P207689	TRG	SEP04890612	CADMIUM	1.2	UG/G		U	V	1.2	A	RFME	05-MAY-89
P207689	TRG	SEP04891215	CADMIUM	1.2	UG/G		U	V	1.2	A	RFME	05-MAY-89
P207689	TRG	SEP048900060	CADMIUM	1.1	UG/G		U	V	1.1	A	RFME	05-MAY-89
P207689	TRG	GSEP04890989001	CADMIUM	.0050	MG/L		U	V	5.0	A	RFMS	14-SEP-89
P207789	TRG	SEP0589BR0613	CADMIUM	1.1	UG/G		U	V	1.1	A	RFME	05-MAY-89
P207789	TRG	SEP0589BR1318	CADMIUM	1.2	UG/G		U	V	1.2	A	RFME	05-MAY-89
P207789	TRG	SEP0589BR1824	CADMIUM	1.2	UG/G		U	V	1.2	A	RFME	05-MAY-89
P207789	TRG	SEP0589BR0006	CADMIUM	1.2	UG/G		U	V	1.2	A	RFME	05-MAY-89
P207889	TRG	SEP06890003	CADMIUM	1.3	UG/G		U	V	1.3	A	RFME	01-MAY-89
P207889	TRG	SEP06890306	CADMIUM	1.2	UG/G		U	R	1.2	A	RFME	01-MAY-89
P207889	TRG	SEP068903060	CADMIUM	1.2	UG/G		U	R	1.2	A	RFME	01-MAY-89
P207889	TRG	GSEP06890989001	CADMIUM	.0050	MG/L		U	V	5.0	A	RFMS	15-SEP-89
P207989	TRG	SEP0789BR1218	CADMIUM	1.2	UG/G		U	R	1.2	A	RFME	02-MAY-89
P207989	TRG	SEP0789BR0003	CADMIUM	1.0	UG/G		U	R	1.0	A	RFME	02-MAY-89
P207989	TRG	SEP0789BR0306	CADMIUM	1.2	UG/G		U	R	1.2	A	RFME	02-MAY-89
P207989	TRG	SEP0789BR0612	CADMIUM	1.2	UG/G		U	A	1.2	A	RFME	02-MAY-89
P208889	TRG	SEP1689BR0410	CADMIUM	1.2	UG/G		U	R	1.2	A	RFME	09-MAY-89
P208889	TRG	SEP1689BR1016	CADMIUM	1.1	UG/G		U	R	1.1	A	RFME	09-MAY-89
P208889	TRG	GSEP16890989001	CADMIUM	.0050	MG/L		U		5.0		RFMS	17-OCT-89
P208989	TRG	SEP1789BR0003	CADMIUM	1.1	UG/G		U	R	1.1	A	RFME	12-MAY-89
P208989	TRG	SEP1789BR0309	CADMIUM	1.2	UG/G		U	R	1.2	A	RFME	12-MAY-89
P208989	TRG	SEP1789BR0915	CADMIUM	1.2	UG/G		U	A	1.2	A	RFME	12-MAY-89
P209089	TRG	SEP1889BR1218D	CADMIUM	1.2	UG/G		U	R	1.2	A	RFME	17-MAY-89
P209089	TRG	SEP1889BR1824	CADMIUM	1.2	UG/G		U	V	1.2	A	RFME	17-MAY-89
P209089	TRG	SEP1889BR0309	CADMIUM	60.4	UG/G			V	1.2	A	RFME	17-MAY-89
P209089	TRG	SEP1889BR1218	CADMIUM	1.2	UG/G		U	V	1.2	A	RFME	17-MAY-89
P209189	TRG	SEP1989BR1016	CADMIUM	1.2	UG/G		U		1.2		RFME	25-MAY-89
P209189	TRG	SEP1989BR1622	CADMIUM	1.2	UG/G		U		1.2		RFME	25-MAY-89
P209189	TRG	SEP1989BR1622D	CADMIUM	1.2	UG/G		U		1.2		RFME	25-MAY-89
P209189	TRG	SEP1989BR0309	CADMIUM	1.2	UG/G		U		1.2		RFME	25-MAY-89
P209189	TRG	GSEP19890989001	CADMIUM	.0050	MG/L		U		5.0		RFMS	27-SEP-89
P209189	TRG	GSEP19890989001D	CADMIUM	.0050	MG/L		U		5.0		RFMS	27-SEP-89
P209289	TRG	SEP20890309	CADMIUM	1.1	UG/G		U	V	1.1	A	RFME	08-JUN-89
P209289	TRG	SEP20891418	CADMIUM	0.90	UG/G		U	V	0.90	A	RFME	08-JUN-89
P209289	TRG	SEP20890912	CADMIUM	1.2	UG/G		U	V	1.2	A	RFME	08-JUN-89
P209289	TRG	SEP20890003	CADMIUM	1.1	UG/G		U	V	1.1	A	RFME	08-JUN-89
P209389	TRG	SEP2189BR0912	CADMIUM	1.1	UG/G		U	V	1.1	A	RFME	07-JUN-89
P209389	TRG	SEP2189BR1420	CADMIUM	1.1	UG/G		U	V	1.1	A	RFME	07-JUN-89
P209389	TRG	SEP2189BR2026D	CADMIUM	0.97	UG/G		U	V	0.97	A	RFME	07-JUN-89
P209389	TRG	SEP2189BR2026	CADMIUM	0.79	UG/G		U	V	0.79	A	RFME	07-JUN-89
P209389	TRG	SEP2189BR0309	CADMIUM	1.1	UG/G		U	V	1.1	A	RFME	07-JUN-89
P209389	TRG	GSEP21890989001	CADMIUM	.0050	MG/L		U		5.0		RFMS	18-SEP-89
P209489	TRG	SEP2289BR0912	CADMIUM	1.1	UG/G		U	R	1.1	A	RFME	16-MAY-89

Location ID		Proj_Sample_No	Chemical	Result	Unit	Err	Qual.	D.Lmt	VA	Group	Smpl Date
P209489	TRG	SEP2289BR1213	CADMIUM	1.1	UG/G		U	A 1.1	A	RFME	16-MAY-89
P209489	TRG	SEP2289BR1621	CADMIUM	1.1	UG/G		U	R 1.1	A	RFME	16-MAY-89
P209489	TRG	SEP2289BR1416	CADMIUM	1.1	UG/G		U	R 1.1	A	RFME	16-MAY-89
P209489	TRG	SEP2289BR0307	CADMIUM	1.1	UG/G		U	A 1.1	A	RFME	16-MAY-89
P209589	TRG	SEP2389BR0004	CADMIUM	1.3	UG/G		U	A 1.3	A	RFME	10-MAY-89
P209589	TRG	SEP2389BR0410	CADMIUM	1.2	UG/G		U	A 1.2	A	RFME	10-MAY-89
P209589	TRG	SEP2389BR1015	CADMIUM	1.1	UG/G		U	R 1.1	A	RFME	10-MAY-89
P209689	TRG	SEP2489BR1218	CADMIUM	1.2	UG/G		U	A 1.2	A	RFME	03-MAY-89
P209689	TRG	SEP2489BR1824	CADMIUM	1.2	UG/G		U	R 1.2	A	RFME	03-MAY-89
P209689	TRG	SEP2489BR0612	CADMIUM	1.2	UG/G		U	R 1.2	A	RFME	03-MAY-89
P209789	TRG	SEP25890006	CADMIUM	1.1	UG/G		U	1.1		RFME	04-MAY-89
P209789	TRG	SEP25891216	CADMIUM	1.2	UG/G		U	1.2		RFME	04-MAY-89
P209789	TRG	SEP25890608	CADMIUM	1.1	UG/G		U	1.1		RFME	04-MAY-89
P209789	TRG	GSEP25890989001D	CADMIUM	.0050	MG/L		U	5.0		RFMS	13-SEP-89
P209789	TRG	GSEP25890989001	CADMIUM	.0050	MG/L		U	5.0		RFMS	13-SEP-89
P209889	TRG	SEP2689BR0004	CADMIUM	1.2	UG/G		U	A 1.2	A	RFME	11-MAY-89
P209889	TRG	SEP2689BR0410	CADMIUM	1.2	UG/G		U	R 1.2	A	RFME	11-MAY-89
P209889	TRG	SEP2689BR1016	CADMIUM	1.1	UG/G		U	A 1.1	A	RFME	11-MAY-89
P209889	TRG	SEP2689BR0410D	CADMIUM	1.3	UG/G		U	R 1.3	A	RFME	11-MAY-89
P210189	TRG	SEP3089BR2127	CADMIUM	1.1	UG/G		U	V 1.1	A	RFME	19-MAY-89
P210189	TRG	SEP3089BR0309	CADMIUM	1.1	UG/G		U	A 1.1	A	RFME	19-MAY-89
P210189	TRG	SEP3089BR0915	CADMIUM	0.93	UG/G		U	V 0.93	A	RFME	19-MAY-89
P210189	TRG	SEP3089BR1521	CADMIUM	1.1	UG/G		U	A 1.1	A	RFME	19-MAY-89
P210189	TRG	GSEP30890989001	CADMIUM	.0050	MG/L		U	5.0		RFMS	28-SEP-89
P210289	TRG	SEP3189BR1319	CADMIUM	1.2	UG/G		U	A 1.2	A	RFME	15-MAY-89
P210289	TRG	SEP3189BR0306	CADMIUM	1.2	UG/G		U	R 1.2	A	RFME	15-MAY-89
P210289	TRG	SEP3189BR0713	CADMIUM	1.2	UG/G		U	R 1.2	A	RFME	15-MAY-89
P210289	TRG	GSEP31890989001	CADMIUM	.0050	MG/L		U	5.0		RFMS	25-SEP-89
P207389	TRG	SEP0189BR0307	CALCIUM	75600	UG/G			970		RFME	05-JUN-89
P207389	TRG	SEP0189BR0713	CALCIUM	36500	UG/G			A 1180	A	RFME	05-JUN-89
P207389	TRG	SEP0189BR1319	CALCIUM	5200	UG/G			A 1130	A	RFME	05-JUN-89
P207389	TRG	GSEP01890989001	CALCIUM	70.20	MG/L			5000		RFMS	21-SEP-89
P207489	TRG	SEP02890003	CALCIUM	13700	UG/G			1080	A	RFME	06-JUN-89
P207489	TRG	SEP02890306	CALCIUM	5020	UG/G			960	A	RFME	06-JUN-89
P207489	TRG	SEP02890610	CALCIUM	35300	UG/G			918	A	RFME	06-JUN-89
P207489	TRG	GSEP02890989001	CALCIUM	90.20	MG/L			5000		RFMS	20-SEP-89
P207589	TRG	SEP0389BR0309	CALCIUM	93500	UG/G			A 11500	A	RFME	18-MAY-89
P207589	TRG	SEP0389BR1521	CALCIUM	3500	UG/G			A 1170	A	RFME	18-MAY-89
P207589	TRG	SEP0389BR0915	CALCIUM	8560	UG/G			A 1260	A	RFME	18-MAY-89
P207689	TRG	SEP04890612	CALCIUM	3580	UG/G			V 1230	A	RFME	05-MAY-89
P207689	TRG	SEP04891215	CALCIUM	11200	UG/G			V 1190	A	RFME	05-MAY-89
P207689	TRG	SEP04890006D	CALCIUM	102000	UG/G			V 1150	A	RFME	05-MAY-89
P207689	TRG	GSEP04890989001	CALCIUM	114.00	MG/L			V 5000	A	RFMS	14-SEP-89
P207789	TRG	SEP0589BR0613	CALCIUM	80100	UG/G			V 11300	A	RFME	05-MAY-89
P207789	TRG	SEP0589BR1318	CALCIUM	23200	UG/G			V 1220	A	RFME	05-MAY-89
P207789	TRG	SEP0589BR1824	CALCIUM	2780	UG/G			V 1170	A	RFME	05-MAY-89
P207789	TRG	SEP0589BR0006	CALCIUM	105000	UG/G			V 11700	A	RFME	05-MAY-89
P207889	TRG	SEP06890003	CALCIUM	9620	UG/G			A 1290	A	RFME	01-MAY-89
P207889	TRG	SEP06890306D	CALCIUM	144000	UG/G			A 1200	A	RFME	01-MAY-89
P207889	TRG	SEP06890306	CALCIUM	154000	UG/G			A 1190	A	RFME	01-MAY-89
P207889	TRG	GSEP06890989001	CALCIUM	129.00	MG/L			V 5000	A	RFMS	15-SEP-89
P207989	TRG	SEP0789BR1218	CALCIUM	13900	UG/G			A 1180	A	RFME	02-MAY-89
P207989	TRG	SEP0789BR0003	CALCIUM	14000	UG/G			A 1040	A	RFME	02-MAY-89
P207989	TRG	SEP0789BR0306	CALCIUM	72300	UG/G			A 11500	A	RFME	02-MAY-89
P207989	TRG	SEP0789BR0612	CALCIUM	22800	UG/G			A 1240	A	RFME	02-MAY-89
P208889	TRG	SEP1689BR0410	CALCIUM	62200	UG/G			A 11800	A	RFME	09-MAY-89
P208889	TRG	SEP1689BR1016	CALCIUM	2600	UG/G			A 1130	A	RFME	09-MAY-89
P208889	TRG	GSEP16890989001	CALCIUM	44.40	MG/L			5000		RFMS	17-OCT-89

Location ID		Proj_Sample_No	Chemical	Result	Unit	Err	Qual.	D.Lmt	VA	Group	Smpl Date
P208989	TRG	SEP1789BR0003	CALCIUM	9780	UG/G			V 1120	A	RFME	12-MAY-89
P208989	TRG	SEP1789BR0915	CALCIUM	9240	UG/G			V 1170	A	RFME	12-MAY-89
P208989	TRG	SEP1789BR0309	CALCIUM	6770	UG/G			V 1240	A	RFME	12-MAY-89
P209089	TRG	SEP1889BR1218D	CALCIUM	3710	UG/G			V 1200	A	RFME	17-MAY-89
P209089	TRG	SEP1889BR1824	CALCIUM	3660	UG/G			V 1160	A	RFME	17-MAY-89
P209089	TRG	SEP1889BR0309	CALCIUM	80800	UG/G			V 12300	A	RFME	17-MAY-89
P209089	TRG	SEP1889BR1218	CALCIUM	3510	UG/G			V 1220	A	RFME	17-MAY-89
P209189	TRG	SEP1989BR1016	CALCIUM	1540	UG/G			1150		RFME	25-MAY-89
P209189	TRG	SEP1989BR1622D	CALCIUM	4500	UG/G			1230		RFME	25-MAY-89
P209189	TRG	SEP1989BR1622	CALCIUM	3960	UG/G			1210		RFME	25-MAY-89
P209189	TRG	SEP1989BR0309	CALCIUM	4880	UG/G			1150		RFME	25-MAY-89
P209189	TRG	GSEP19890989001	CALCIUM	80.80	MG/L			5000		RFMS	27-SEP-89
P209189	TRG	GSEP19890989001D	CALCIUM	80.80	MG/L			5000		RFMS	27-SEP-89
P209289	TRG	SEP20890309	CALCIUM	3110	UG/G			V 113	A	RFME	08-JUN-89
P209289	TRG	SEP20891418	CALCIUM	5590	UG/G			V 90.8	A	RFME	08-JUN-89
P209289	TRG	SEP20890912	CALCIUM	2240	UG/G			V 1150	A	RFME	08-JUN-89
P209289	TRG	SEP20890003	CALCIUM	4410	UG/G			V 109	A	RFME	08-JUN-89
P209389	TRG	SEP2189BR0309	CALCIUM	2810	UG/G			V 1050	A	RFME	07-JUN-89
P209389	TRG	SEP2189BR0912	CALCIUM	9540	UG/G			V 1110	A	RFME	07-JUN-89
P209389	TRG	SEP2189BR2026	CALCIUM	2840	UG/G			V 79.2	A	RFME	07-JUN-89
P209389	TRG	SEP2189BR2026D	CALCIUM	3720	UG/G			V 97.2	A	RFME	07-JUN-89
P209389	TRG	SEP2189BR1420	CALCIUM	26.2	UG/G			V 1.1	A	RFME	07-JUN-89
P209389	TRG	GSEP21890989001	CALCIUM	80.10	MG/L			5000		RFMS	18-SEP-89
P209489	TRG	SEP2289BR0912	CALCIUM	41100	UG/G			A 11400	A	RFME	16-MAY-89
P209489	TRG	SEP2289BR1213	CALCIUM	6600	UG/G			A 1100	A	RFME	16-MAY-89
P209489	TRG	SEP2289BR1621	CALCIUM	5150	UG/G			A 1130	A	RFME	16-MAY-89
P209489	TRG	SEP2289BR1416	CALCIUM	6270	UG/G			A 1100	A	RFME	16-MAY-89
P209489	TRG	SEP2289BR0307	CALCIUM	40000	UG/G			A 1060	A	RFME	16-MAY-89
P209589	TRG	SEP2389BR0004	CALCIUM	2430	UG/G			A 1250	A	RFME	10-MAY-89
P209589	TRG	SEP2389BR1015	CALCIUM	3570	UG/G			A 1130	A	RFME	10-MAY-89
P209589	TRG	SEP2389BR0410	CALCIUM	2740	UG/G			A 1160	A	RFME	10-MAY-89
P209689	TRG	SEP2489BR1218	CALCIUM	2730	UG/G			A 1190	A	RFME	03-MAY-89
P209689	TRG	SEP2489BR1824	CALCIUM	4760	UG/G			A 1220	A	RFME	03-MAY-89
P209689	TRG	SEP2489BR0612	CALCIUM	3110	UG/G			A 1160	A	RFME	03-MAY-89
P209789	TRG	SEP25890006	CALCIUM	17800	UG/G			1120		RFME	04-MAY-89
P209789	TRG	SEP25891216	CALCIUM	12300	UG/G			1250		RFME	04-MAY-89
P209789	TRG	SEP25890608	CALCIUM	6350	UG/G			1100		RFME	04-MAY-89
P209789	TRG	GSEP25890989001D	CALCIUM	82.30	MG/L			5000		RFMS	13-SEP-89
P209789	TRG	GSEP25890989001	CALCIUM	83.30	MG/L			5000		RFMS	13-SEP-89
P209889	TRG	SEP2689BR0004	CALCIUM	39400	UG/G			V 11800	A	RFME	11-MAY-89
P209889	TRG	SEP2689BR0410D	CALCIUM	7600	UG/G			V 1250	A	RFME	11-MAY-89
P209889	TRG	SEP2689BR1016	CALCIUM	7810	UG/G			V 1150	A	RFME	11-MAY-89
P209889	TRG	SEP2689BR0410	CALCIUM	6850	UG/G			V 1220	A	RFME	11-MAY-89
P210189	TRG	SEP3089BR2127	CALCIUM	7920	UG/G			A 1070	A	RFME	19-MAY-89
P210189	TRG	SEP3089BR0309	CALCIUM	2320	UG/G			A 1100	A	RFME	19-MAY-89
P210189	TRG	SEP3089BR0915	CALCIUM	1260	UG/G			A 928	A	RFME	19-MAY-89
P210189	TRG	SEP3089BR1521	CALCIUM	5220	UG/G			A 1140	A	RFME	19-MAY-89
P210189	TRG	GSEP30890989001	CALCIUM	130.00	MG/L			5000		RFMS	28-SEP-89
P210289	TRG	SEP3189BR1319	CALCIUM	3270	UG/G			V 1210	A	RFME	15-MAY-89
P210289	TRG	SEP3189BR0306	CALCIUM	5870	UG/G			V 1150	A	RFME	15-MAY-89
P210289	TRG	SEP3189BR0713	CALCIUM	48900	UG/G			V 11800	A	RFME	15-MAY-89
P210289	TRG	GSEP31890989001	CALCIUM	211.00	MG/L			5000		RFMS	25-SEP-89
P207389	TRG	SEP0189BR0307	CESIUM	19.4	UG/G		U	19.4		RFME	05-JUN-89
P207389	TRG	SEP0189BR0713	CESIUM	23.5	UG/G		U	V 23.5	A	RFME	05-JUN-89
P207389	TRG	SEP0189BR1319	CESIUM	22.7	UG/G		U	V 22.7	A	RFME	05-JUN-89
P207389	TRG	GSEP01890989001	CESIUM	1.00	MG/L		U	1000		RFMS	21-SEP-89
P207489	TRG	SEP02890003	CESIUM	21.7	UG/G		U	V 21.7	A	RFME	06-JUN-89
P207489	TRG	SEP02890610	CESIUM	18.4	UG/G		U	V 18.4	A	RFME	06-JUN-89

Location ID		Proj_Sample_No	Chemical	Result	Unit	Err	Qual.	D.Lmt	VA	Group	Smpl Date
P207489	TRG	SEP02890306	CESIUM	19.2	UG/G		U	V 19.2	A	RFME	06-JUN-89
P207489	TRG	GSEP02890989001	CESIUM	1.00	MG/L		U	1000		RFMS	20-SEP-89
P207589	TRG	SEP0389BR0309	CESIUM	229	UG/G		U	V 229	A	RFME	18-MAY-89
P207589	TRG	SEP0389BR0915	CESIUM	251	UG/G		U	V 251	A	RFME	18-MAY-89
P207589	TRG	SEP0389BR1521	CESIUM	233	UG/G		U	V 233	A	RFME	18-MAY-89
P207689	TRG	SEP04891215	CESIUM	239	UG/G		U	R 239	A	RFME	05-MAY-89
P207689	TRG	SEP04890006D	CESIUM	230	UG/G		U	R 230	A	RFME	05-MAY-89
P207689	TRG	SEP04890612	CESIUM	245	UG/G		U	R 245	A	RFME	05-MAY-89
P207689	TRG	GSEP04890989001	CESIUM	2.50	MG/L		U	V 2500	A	RFMS	14-SEP-89
P207789	TRG	SEP0589BR0613	CESIUM	226	UG/G		U	R 226	A	RFME	05-MAY-89
P207789	TRG	SEP0589BR1824	CESIUM	234	UG/G		U	R 234	A	RFME	05-MAY-89
P207789	TRG	SEP0589BR1318	CESIUM	245	UG/G		U	R 245	A	RFME	05-MAY-89
P207789	TRG	SEP0589BR0006	CESIUM	233	UG/G		U	R 233	A	RFME	05-MAY-89
P207889	TRG	SEP06890003	CESIUM	258	UG/G		U	V 258	A	RFME	01-MAY-89
P207889	TRG	SEP06890306	CESIUM	238	UG/G		U	V 238	A	RFME	01-MAY-89
P207889	TRG	SEP06890306D	CESIUM	240	UG/G		U	V 240	A	RFME	01-MAY-89
P207889	TRG	GSEP06890989001	CESIUM	2.50	MG/L		U	V 2500	A	RFMS	15-SEP-89
P207989	TRG	SEP0789BR0003	CESIUM	209	UG/G		U	R 209	A	RFME	02-MAY-89
P207989	TRG	SEP0789BR0306	CESIUM	231	UG/G		U	R 231	A	RFME	02-MAY-89
P207989	TRG	SEP0789BR1218	CESIUM	235	UG/G		U	R 235	A	RFME	02-MAY-89
P207989	TRG	SEP0789BR0612	CESIUM	249	UG/G		U	R 249	A	RFME	02-MAY-89
P208889	TRG	SEP1689BR0410	CESIUM	236	UG/G		U	V 236	A	RFME	09-MAY-89
P208889	TRG	SEP1689BR1016	CESIUM	1870	UG/G			V 227	A	RFME	09-MAY-89
P208889	TRG	GSEP16890989001	CESIUM	1.00	MG/L		U	1000		RFMS	17-OCT-89
P208989	TRG	SEP1789BR0003	CESIUM	223	UG/G		U	V 223	A	RFME	12-MAY-89
P208989	TRG	SEP1789BR0309	CESIUM	248	UG/G		U	V 248	A	RFME	12-MAY-89
[illegible]989	TRG	SEP1789BR0915	CESIUM	2370	UG/G			V 234	A	RFME	12-MAY-89
[illegible]089	TRG	SEP1889BR1218D	CESIUM	240	UG/G		U	V 240	A	RFME	17-MAY-89
P209089	TRG	SEP1889BR1824	CESIUM	231	UG/G		U	V 231	A	RFME	17-MAY-89
P209089	TRG	SEP1889BR0309	CESIUM	247	UG/G		U	V 247	A	RFME	17-MAY-89
P209089	TRG	SEP1889BR1218	CESIUM	243	UG/G		U	V 243	A	RFME	17-MAY-89
P209189	TRG	SEP1989BR1016	CESIUM	230	UG/G		U	230		RFME	25-MAY-89
P209189	TRG	SEP1989BR1622	CESIUM	243	UG/G		U	243		RFME	25-MAY-89
P209189	TRG	SEP1989BR1622D	CESIUM	247	UG/G		U	247		RFME	25-MAY-89
P209189	TRG	SEP1989BR0309	CESIUM	231	UG/G		U	231		RFME	25-MAY-89
P209189	TRG	GSEP19890989001	CESIUM	1.00	MG/L		U	1000		RFMS	27-SEP-89
P209189	TRG	GSEP19890989001D	CESIUM	1.00	MG/L		U	1000		RFMS	27-SEP-89
P209289	TRG	SEP20890309	CESIUM	22.6	UG/G		U	V 22.6	A	RFME	08-JUN-89
P209289	TRG	SEP20890912	CESIUM	23.0	UG/G		U	V 23.0	A	RFME	08-JUN-89
P209289	TRG	SEP20891418	CESIUM	18.2	UG/G		U	V 18.2	A	RFME	08-JUN-89
P209289	TRG	SEP20890003	CESIUM	21.8	UG/G		U	V 21.8	A	RFME	08-JUN-89
P209389	TRG	SEP2189BR0912	CESIUM	22.2	UG/G		U	V 22.2	A	RFME	07-JUN-89
P209389	TRG	SEP2189BR1420	CESIUM	21.2	UG/G		U	V 21.2	A	RFME	07-JUN-89
P209389	TRG	SEP2189BR2026D	CESIUM	19.4	UG/G		U	V 19.4	A	RFME	07-JUN-89
P209389	TRG	SEP2189BR2026	CESIUM	15.8	UG/G		U	V 15.8	A	RFME	07-JUN-89
P209389	TRG	SEP2189BR0309	CESIUM	21.0	UG/G		U	V 21.0	A	RFME	07-JUN-89
P209389	TRG	GSEP21890989001	CESIUM	1.00	MG/L		U	1000		RFMS	18-SEP-89
P209489	TRG	SEP2289BR0912	CESIUM	229	UG/G		U	V 229	A	RFME	16-MAY-89
P209489	TRG	SEP2289BR1621	CESIUM	226	UG/G		U	V 226	A	RFME	16-MAY-89
P209489	TRG	SEP2289BR1416	CESIUM	220	UG/G		U	V 220	A	RFME	16-MAY-89
P209489	TRG	SEP2289BR1213	CESIUM	220	UG/G		U	V 220	A	RFME	16-MAY-89
P209489	TRG	SEP2289BR0307	CESIUM	212	UG/G		U	V 212	A	RFME	16-MAY-89
P209589	TRG	SEP2389BR0004	CESIUM	250	UG/G		U	V 250	A	RFME	10-MAY-89
P209589	TRG	SEP2389BR0410	CESIUM	232	UG/G		U	V 232	A	RFME	10-MAY-89
[illegible]589	TRG	SEP2389BR1015	CESIUM	226	UG/G		U	V 226	A	RFME	10-MAY-89
[illegible]9689	TRG	SEP2489BR1824	CESIUM	244	UG/G		U	R 244	A	RFME	03-MAY-89
P209689	TRG	SEP2489BR0612	CESIUM	232	UG/G		U	R 232	A	RFME	03-MAY-89
P209689	TRG	SEP2489BR1218	CESIUM	239	UG/G		U	R 239	A	RFME	03-MAY-89

Location ID	--	Proj_Sample_No	Chemical	Result	Unit	Err	Qual.	D.Lmt	VA	Group	Smpl Date
P209789	TRG	SEP25890006	CESIUM	224	UG/G		U	224		RFME	04-MAY-89
P209789	TRG	SEP25891216	CESIUM	250	UG/G		U	250		RFME	04-MAY-89
P209789	TRG	SEP25890608	CESIUM	220	UG/G		U	220		RFME	04-MAY-89
P209789	TRG	GSEP25890989001D	CESIUM	1.00	MG/L		U	1000		RFMS	13-SEP-89
P209789	TRG	GSEP25890989001	CESIUM	1.00	MG/L		U	1000		RFMS	13-SEP-89
P209889	TRG	SEP2689BR0004	CESIUM	236	UG/G		U	V 236	A	RFME	11-MAY-89
P209889	TRG	SEP2689BR1016	CESIUM	2410	UG/G			A 229	A	RFME	11-MAY-89
P209889	TRG	SEP2689BR0410D	CESIUM	250	UG/G		U	V 250	A	RFME	11-MAY-89
P209889	TRG	SEP2689BR0410	CESIUM	243	UG/G		U	V 243	A	RFME	11-MAY-89
P210189	TRG	SEP3089BR0309	CESIUM	21.9	UG/G		U	V 21.9	A	RFME	19-MAY-89
P210189	TRG	SEP3089BR2127	CESIUM	21.4	UG/G		U	V 21.4	A	RFME	19-MAY-89
P210189	TRG	SEP3089BR0915	CESIUM	18.6	UG/G		U	V 18.6	A	RFME	19-MAY-89
P210189	TRG	SEP3089BR1521	CESIUM	22.8	UG/G		U	V 22.8	A	RFME	19-MAY-89
P210189	TRG	GSEP30890989001	CESIUM	1.00	MG/L		U	1000		RFMS	28-SEP-89
P210289	TRG	SEP3189BR1319	CESIUM	242	UG/G		U	V 242	A	RFME	15-MAY-89
P210289	TRG	SEP3189BR0306	CESIUM	231	UG/G		U	V 231	A	RFME	15-MAY-89
P210289	TRG	SEP3189BR0713	CESIUM	236	UG/G		U	V 236	A	RFME	15-MAY-89
P210289	TRG	GSEP31890989001	CESIUM	1.00	MG/L		U	1000		RFMS	25-SEP-89
P207389	TRG	SEP0189BR0307	CHROMIUM	8.3	UG/G			1.9		RFME	05-JUN-89
P207389	TRG	SEP0189BR0713	CHROMIUM	5.4	UG/G			V 2.4	A	RFME	05-JUN-89
P207389	TRG	SEP0189BR1319	CHROMIUM	6.1	UG/G			A 2.3	A	RFME	05-JUN-89
P207389	TRG	GSEP01890989001	CHROMIUM	.0100	MG/L		U	10.0		RFMS	21-SEP-89
P207489	TRG	SEP02890003	CHROMIUM	6.1	UG/G			V 2.2	A	RFME	06-JUN-89
P207489	TRG	SEP02890610	CHROMIUM	3.2	UG/G			V 1.8	A	RFME	06-JUN-89
P207489	TRG	SEP02890306	CHROMIUM	81.2	UG/G			V 1.9	A	RFME	06-JUN-89
P207489	TRG	GSEP02890989001	CHROMIUM	.0100	MG/L		U	10.0		RFMS	20-SEP-89
P207589	TRG	SEP0389BR0309	CHROMIUM	11.3	UG/G			A 2.3	A	RFME	18-MAY-89
P207589	TRG	SEP0389BR0915	CHROMIUM	11.4	UG/G			A 2.5	A	RFME	18-MAY-89
P207589	TRG	SEP0389BR1521	CHROMIUM	10.1	UG/G			A 2.3	A	RFME	18-MAY-89
P207689	TRG	SEP04891215	CHROMIUM	6.4	UG/G			A 2.4	A	RFME	05-MAY-89
P207689	TRG	SEP04890006D	CHROMIUM	7.1	UG/G			A 2.3	A	RFME	05-MAY-89
P207689	TRG	SEP04890612	CHROMIUM	6.4	UG/G			A 2.5	A	RFME	05-MAY-89
P207689	TRG	GSEP04890989001	CHROMIUM	.0100	MG/L		U	V 10.0	A	RFMS	14-SEP-89
P207789	TRG	SEP0589BR0613	CHROMIUM	6.4	UG/G			A 2.3	A	RFME	05-MAY-89
P207789	TRG	SEP0589BR1824	CHROMIUM	6.3	UG/G			A 2.3	A	RFME	05-MAY-89
P207789	TRG	SEP0589BR1318	CHROMIUM	8.9	UG/G			A 2.4	A	RFME	05-MAY-89
P207789	TRG	SEP0589BR0006	CHROMIUM	6.9	UG/G			A 2.3	A	RFME	05-MAY-89
P207889	TRG	SEP06890003	CHROMIUM	28.7	UG/G			V 2.6	A	RFME	01-MAY-89
P207889	TRG	SEP06890306	CHROMIUM	7.3	UG/G			A 2.4	A	RFME	01-MAY-89
P207889	TRG	SEP06890306D	CHROMIUM	6.5	UG/G			A 2.4	A	RFME	01-MAY-89
P207889	TRG	GSEP06890989001	CHROMIUM	.0100	MG/L		U	V 10.0	A	RFMS	15-SEP-89
P207989	TRG	SEP0789BR0003	CHROMIUM	7.7	UG/G			A 2.1	A	RFME	02-MAY-89
P207989	TRG	SEP0789BR0306	CHROMIUM	7.6	UG/G			A 2.3	A	RFME	02-MAY-89
P207989	TRG	SEP0789BR0612	CHROMIUM	7.7	UG/G			A 2.5	A	RFME	02-MAY-89
P207989	TRG	SEP0789BR1218	CHROMIUM	7.4	UG/G			A 2.4	A	RFME	02-MAY-89
P208889	TRG	SEP1689BR0410	CHROMIUM	6.1	UG/G			A 2.4	A	RFME	09-MAY-89
P208889	TRG	SEP1689BR1016	CHROMIUM	5.3	UG/G			A 2.3	A	RFME	09-MAY-89
P208889	TRG	GSEP16890989001	CHROMIUM	.0100	MG/L		U	10.0		RFMS	17-OCT-89
P208989	TRG	SEP1789BR0003	CHROMIUM	6.9	UG/G			V 2.2	A	RFME	12-MAY-89
P208989	TRG	SEP1789BR0915	CHROMIUM	5.2	UG/G			A 2.3	A	RFME	12-MAY-89
P208989	TRG	SEP1789BR0309	CHROMIUM	8.8	UG/G			V 2.5	A	RFME	12-MAY-89
P209089	TRG	SEP1889BR1824	CHROMIUM	4.6	UG/G			A 2.3	A	RFME	17-MAY-89
P209089	TRG	SEP1889BR0309	CHROMIUM	15.0	UG/G			A 2.5	A	RFME	17-MAY-89
P209089	TRG	SEP1889BR1218D	CHROMIUM	8.6	UG/G			V 2.4	A	RFME	17-MAY-89
P209089	TRG	SEP1889BR1218	CHROMIUM	8.0	UG/G			V 2.4	A	RFME	17-MAY-89
P209189	TRG	SEP1989BR1016	CHROMIUM	5.9	UG/G			2.3		RFME	25-MAY-89
P209189	TRG	SEP1989BR1622D	CHROMIUM	8.4	UG/G			2.5		RFME	25-MAY-89
P209189	TRG	SEP1989BR1622	CHROMIUM	9.5	UG/G			2.4		RFME	25-MAY-89

'ocation	ID	Proj_Sample_No	Chemical	Result	Unit	Err	Qual.	D.Lmt	VA	Group	Smpl Date
P209189	TRG	SEP1989BR0309	CHROMIUM	14.5	UG/G			2.3		RFME	25-MAY-89
P209189	TRG	GSEP19890989001	CHROMIUM	.0100	MG/L		U	10.0		RFMS	27-SEP-89
P209189	TRG	GSEP19890989001D	CHROMIUM	.0100	MG/L		U	10.0		RFMS	27-SEP-89
P209289	TRG	SEP20890912	CHROMIUM	7.4	UG/G			V 2.3	A	RFME	08-JUN-89
P209289	TRG	SEP20891418	CHROMIUM	8.3	UG/G			V 1.8	A	RFME	08-JUN-89
P209289	TRG	SEP20890003	CHROMIUM	16.3	UG/G			V 2.2	A	RFME	08-JUN-89
P209289	TRG	SEP20890309	CHROMIUM	8.5	UG/G			V 2.2	A	RFME	08-JUN-89
P209389	TRG	SEP2189BR0912	CHROMIUM	11.0	UG/G			V 2.2	A	RFME	07-JUN-89
P209389	TRG	SEP2189BR2026D	CHROMIUM	7.8	UG/G			V 1.9	A	RFME	07-JUN-89
P209389	TRG	SEP2189BR2026	CHROMIUM	6.4	UG/G			V 1.6	A	RFME	07-JUN-89
P209389	TRG	SEP2189BR1420	CHROMIUM	4.4	UG/G			A 2.1	A	RFME	07-JUN-89
P209389	TRG	SEP2189BR0309	CHROMIUM	16.1	UG/G			V 2.1	A	RFME	07-JUN-89
P209389	TRG	GSEP21890989001	CHROMIUM	.0100	MG/L		U	10.0		RFMS	18-SEP-89
P209489	TRG	SEP2289BR0912	CHROMIUM	4.8	UG/G			A 2.3	A	RFME	16-MAY-89
P209489	TRG	SEP2289BR1213	CHROMIUM	4.4	UG/G			A 2.2	A	RFME	16-MAY-89
P209489	TRG	SEP2289BR1416	CHROMIUM	4.6	UG/G			A 2.2	A	RFME	16-MAY-89
P209489	TRG	SEP2289BR1621	CHROMIUM	3.8	UG/G			A 2.3	A	RFME	16-MAY-89
P209489	TRG	SEP2289BR0307	CHROMIUM	6.2	UG/G			A 2.1	A	RFME	16-MAY-89
P209589	TRG	SEP2389BR0004	CHROMIUM	10.4	UG/G			V 2.5	A	RFME	10-MAY-89
P209589	TRG	SEP2389BR0410	CHROMIUM	4.9	UG/G			A 2.3	A	RFME	10-MAY-89
P209589	TRG	SEP2389BR1015	CHROMIUM	6.8	UG/G			A 2.3	A	RFME	10-MAY-89
P209689	TRG	SEP2489BR1824	CHROMIUM	10.2	UG/G			A 2.4	A	RFME	03-MAY-89
P209689	TRG	SEP2489BR0612	CHROMIUM	8.3	UG/G			A 2.3	A	RFME	03-MAY-89
P209689	TRG	SEP2489BR1218	CHROMIUM	10.0	UG/G			A 2.4	A	RFME	03-MAY-89
P209789	TRG	SEP25890006	CHROMIUM	6.4	UG/G			2.2		RFME	04-MAY-89
P209789	TRG	SEP25891216	CHROMIUM	7.3	UG/G			2.5		RFME	04-MAY-89
[illegible]789	TRG	SEP25890608	CHROMIUM	5.6	UG/G			2.2		RFME	04-MAY-89
[illegible]789	TRG	GSEP25890989001D	CHROMIUM	.0100	MG/L		U	10.0		RFMS	13-SEP-89
P209789	TRG	GSEP25890989001	CHROMIUM	.0100	MG/L		U	10.0		RFMS	13-SEP-89
P209889	TRG	SEP2689BR0004	CHROMIUM	9.9	UG/G			V 2.4	A	RFME	11-MAY-89
P209889	TRG	SEP2689BR0410	CHROMIUM	7.3	UG/G			V 2.4	A	RFME	11-MAY-89
P209889	TRG	SEP2689BR0410D	CHROMIUM	5.8	UG/G			A 2.5	A	RFME	11-MAY-89
P209889	TRG	SEP2689BR1016	CHROMIUM	7.7	UG/G			V 2.3	A	RFME	11-MAY-89
P210189	TRG	SEP3089BR0309	CHROMIUM	19.4	UG/G			V 2.2	A	RFME	19-MAY-89
P210189	TRG	SEP3089BR0915	CHROMIUM	7.6	UG/G			V 1.9	A	RFME	19-MAY-89
P210189	TRG	SEP3089BR1521	CHROMIUM	27.1	UG/G			V 2.3	A	RFME	19-MAY-89
P210189	TRG	SEP3089BR2127	CHROMIUM	11.6	UG/G			V 2.1	A	RFME	19-MAY-89
P210189	TRG	GSEP30890989001	CHROMIUM	.0100	MG/L		U	10.0		RFMS	28-SEP-89
P210289	TRG	SEP3189BR1319	CHROMIUM	7.5	UG/G			V 2.4	A	RFME	15-MAY-89
P210289	TRG	SEP3189BR0306	CHROMIUM	18.1	UG/G			V 2.3	A	RFME	15-MAY-89
P210289	TRG	SEP3189BR0713	CHROMIUM	7.2	UG/G			V 2.4	A	RFME	15-MAY-89
P210289	TRG	GSEP31890989001	CHROMIUM	.0100	MG/L		U	10.0		RFMS	25-SEP-89
P207389	TRG	SEP0189BR0307	COBALT	9.7	UG/G		U	9.7		RFME	05-JUN-89
P207389	TRG	SEP0189BR0713	COBALT	11.8	UG/G		U	A 11.8	A	RFME	05-JUN-89
P207389	TRG	SEP0189BR1319	COBALT	11.3	UG/G		U	V 11.3	A	RFME	05-JUN-89
P207389	TRG	GSEP01890989001	COBALT	.0500	MG/L		U	50.0		RFMS	21-SEP-89
P207489	TRG	SEP02890003	COBALT	10.8	UG/G		U	V 10.8	A	RFME	06-JUN-89
P207489	TRG	SEP02890306	COBALT	9.6	UG/G		U	V 9.6	A	RFME	06-JUN-89
P207489	TRG	SEP02890610	COBALT	9.2	UG/G		U	V 9.2	A	RFME	06-JUN-89
P207489	TRG	GSEP02890989001	COBALT	.0500	MG/L		U	50.0		RFMS	20-SEP-89
P207589	TRG	SEP0389BR0309	COBALT	11.5	UG/G		U	A 11.5	A	RFME	18-MAY-89
P207589	TRG	SEP0389BR0915	COBALT	17.9	UG/G			A 12.6	A	RFME	18-MAY-89
P207589	TRG	SEP0389BR1521	COBALT	11.7	UG/G		U	V 11.7	A	RFME	18-MAY-89
P207689	TRG	SEP04891215	COBALT	11.9	UG/G		U	A 11.9	A	RFME	05-MAY-89
[illegible]689	TRG	SEP048900060	COBALT	11.5	UG/G		U	A 11.5	A	RFME	05-MAY-89
[illegible]7689	TRG	SEP04890612	COBALT	12.3	UG/G		U	A 12.3	A	RFME	05-MAY-89
P207689	TRG	GSEP04890989001	COBALT	.0500	MG/L		U	V 50.0	A	RFMS	14-SEP-89
P207789	TRG	SEP0589BR1318	COBALT	12.2	UG/G		U	A 12.2	A	RFME	05-MAY-89

Location ID		Proj_Sample_No	Chemical	Result	Unit	Err	Qual.	D.Lmt	VA	Group	Smpl Date
P207789	TRG	SEP0589BR1824	COBALT	11.7	UG/G		U	A 11.7	A	RFME	05-MAY-89
P207789	TRG	SEP0589BR0006	COBALT	11.7	UG/G		U	A 11.7	A	RFME	05-MAY-89
P207789	TRG	SEP0589BR0613	COBALT	11.3	UG/G		U	A 11.3	A	RFME	05-MAY-89
P207889	TRG	SEP06890003	COBALT	12.9	UG/G		U	V 12.9	A	RFME	01-MAY-89
P207889	TRG	SEP06890306	COBALT	11.9	UG/G		U	A 11.9	A	RFME	01-MAY-89
P207889	TRG	SEP06890306D	COBALT	12.0	UG/G		U	A 12.0	A	RFME	01-MAY-89
P207889	TRG	GSEP06890989001	COBALT	.0500	MG/L		U	V 50.0	A	RFMS	15-SEP-89
P207989	TRG	SEP0789BR0003	COBALT	10.4	UG/G		U	V 10.4	A	RFME	02-MAY-89
P207989	TRG	SEP0789BR1218	COBALT	11.8	UG/G		U	V 11.8	A	RFME	02-MAY-89
P207989	TRG	SEP0789BR0612	COBALT	17.8	UG/G			V 12.4	A	RFME	02-MAY-89
P207989	TRG	SEP0789BR0306	COBALT	11.5	UG/G		U	A 11.5	A	RFME	02-MAY-89
P208889	TRG	SEP1689BR0410	COBALT	14.0	UG/G			A 11.8	A	RFME	09-MAY-89
P208889	TRG	SEP1689BR1016	COBALT	11.3	UG/G		U	A 11.3	A	RFME	09-MAY-89
P208889	TRG	GSEP16890989001	COBALT	.0500	MG/L		U	50.0		RFMS	17-OCT-89
P208989	TRG	SEP1789BR0003	COBALT	11.2	UG/G		U	A 11.2	A	RFME	12-MAY-89
P208989	TRG	SEP1789BR0915	COBALT	11.7	UG/G		U	A 11.7	A	RFME	12-MAY-89
P208989	TRG	SEP1789BR0309	COBALT	17.3	UG/G			A 12.4	A	RFME	12-MAY-89
P209089	TRG	SEP1889BR1824	COBALT	11.6	UG/G		U	A 11.6	A	RFME	17-MAY-89
P209089	TRG	SEP1889BR0309	COBALT	12.3	UG/G		U	A 12.3	A	RFME	17-MAY-89
P209089	TRG	SEP1889BR1218D	COBALT	12.0	UG/G		U	V 12.0	A	RFME	17-MAY-89
P209089	TRG	SEP1889BR1218	COBALT	12.2	UG/G		U	V 12.2	A	RFME	17-MAY-89
P209189	TRG	SEP1989BR1016	COBALT	11.5	UG/G		U	11.5		RFME	25-MAY-89
P209189	TRG	SEP1989BR1622	COBALT	12.1	UG/G		U	12.1		RFME	25-MAY-89
P209189	TRG	SEP1989BR1622D	COBALT	12.3	UG/G		U	12.3		RFME	25-MAY-89
P209189	TRG	SEP1989BR0309	COBALT	11.5	UG/G		U	11.5		RFME	25-MAY-89
P209189	TRG	GSEP19890989001	COBALT	.0500	MG/L		U	50.0		RFMS	27-SEP-89
P209189	TRG	GSEP19890989001D	COBALT	.0500	MG/L		U	50.0		RFMS	27-SEP-89
P209289	TRG	SEP20890912	COBALT	11.5	UG/G		U	V 11.5	A	RFME	08-JUN-89
P209289	TRG	SEP20891418	COBALT	9.2	UG/G			V 9.1	A	RFME	08-JUN-89
P209289	TRG	SEP20890003	COBALT	10.9	UG/G		U	V 10.9	A	RFME	08-JUN-89
P209289	TRG	SEP20890309	COBALT	11.3	UG/G		U	V 11.3	A	RFME	08-JUN-89
P209389	TRG	SEP2189BR0912	COBALT	11.1	UG/G		U	V 11.1	A	RFME	07-JUN-89
P209389	TRG	SEP2189BR1420	COBALT	10.6	UG/G		U	V 10.6	A	RFME	07-JUN-89
P209389	TRG	SEP2189BR2026D	COBALT	9.7	UG/G		U	V 9.7	A	RFME	07-JUN-89
P209389	TRG	SEP2189BR2026	COBALT	7.9	UG/G		U	V 7.9	A	RFME	07-JUN-89
P209389	TRG	SEP2189BR0309	COBALT	13.1	UG/G			V 10.5	A	RFME	07-JUN-89
P209389	TRG	GSEP21890989001	COBALT	.0500	MG/L		U	50.0		RFMS	18-SEP-89
P209489	TRG	SEP2289BR1213	COBALT	11.0	UG/G		U	A 11.0	A	RFME	16-MAY-89
P209489	TRG	SEP2289BR1416	COBALT	11.0	UG/G		U	A 11.0	A	RFME	16-MAY-89
P209489	TRG	SEP2289BR1621	COBALT	11.3	UG/G		U	A 11.3	A	RFME	16-MAY-89
P209489	TRG	SEP2289BR0307	COBALT	10.6	UG/G		U	A 10.6	A	RFME	16-MAY-89
P209489	TRG	SEP2289BR0912	COBALT	11.4	UG/G		U	A 11.4	A	RFME	16-MAY-89
P209589	TRG	SEP2389BR0004	COBALT	12.5	UG/G		U	A 12.5	A	RFME	10-MAY-89
P209589	TRG	SEP2389BR0410	COBALT	11.6	UG/G		U	A 11.6	A	RFME	10-MAY-89
P209589	TRG	SEP2389BR1015	COBALT	11.3	UG/G		U	A 11.3	A	RFME	10-MAY-89
P209689	TRG	SEP2489BR1824	COBALT	12.2	UG/G		U	V 12.2	A	RFME	03-MAY-89
P209689	TRG	SEP2489BR0612	COBALT	11.6	UG/G		U	V 11.6	A	RFME	03-MAY-89
P209689	TRG	SEP2489BR1218	COBALT	88.9	UG/G			A 11.9	A	RFME	03-MAY-89
P209789	TRG	SEP25890006	COBALT	11.2	UG/G		U	11.2		RFME	04-MAY-89
P209789	TRG	SEP25891216	COBALT	12.5	UG/G		U	12.5		RFME	04-MAY-89
P209789	TRG	SEP25890608	COBALT	11.0	UG/G		U	11.0		RFME	04-MAY-89
P209789	TRG	GSEP25890989001	COBALT	.0500	MG/L		U	50.0		RFMS	13-SEP-89
P209789	TRG	GSEP25890989001D	COBALT	.0500	MG/L		U	50.0		RFMS	13-SEP-89
P209889	TRG	SEP2689BR0004	COBALT	11.8	UG/G		U	A 11.8	A	RFME	11-MAY-89
P209889	TRG	SEP2689BR0410	COBALT	12.2	UG/G		U	A 12.2	A	RFME	11-MAY-89
P209889	TRG	SEP2689BR1016	COBALT	11.5	UG/G		U	A 11.5	A	RFME	11-MAY-89
P209889	TRG	SEP2689BR0410D	COBALT	12.5	UG/G		U	A 12.5	A	RFME	11-MAY-89
P210189	TRG	SEP3089BR0309	COBALT	11.0	UG/G		U	V 11.0	A	RFME	19-MAY-89

Location ID		Proj_Sample_No	Chemical	Result	Unit	Err	Qual.	D.Lmt	VA	Group	Smpl Date
P210189	TRG	SEP3089BR0915	COBALT	9.3	UG/G		U	V 9.3	A	RFME	19-MAY-89
P210189	TRG	SEP3089BR1521	COBALT	11.4	UG/G		U	V 11.4	A	RFME	19-MAY-89
P210189	TRG	SEP3089BR2127	COBALT	10.7	UG/G		U	V 10.7	A	RFME	19-MAY-89
P210189	TRG	GSEP30890989001	COBALT	.0500	MG/L		U	50.0		RFMS	28-SEP-89
P210289	TRG	SEP3189BR0306	COBALT	11.5	UG/G		U	A 11.5	A	RFME	15-MAY-89
P210289	TRG	SEP3189BR0713	COBALT	11.8	UG/G		U	A 11.8	A	RFME	15-MAY-89
P210289	TRG	SEP3189BR1319	COBALT	12.1	UG/G		U	A 12.1	A	RFME	15-MAY-89
P210289	TRG	GSEP31890989001	COBALT	.0500	MG/L		U	50.0		RFMS	25-SEP-89
P207389	TRG	SEP0189BR0307	COPPER	9.3	UG/G			4.8		RFME	05-JUN-89
P207389	TRG	SEP0189BR0713	COPPER	7.4	UG/G			A 5.9	A	RFME	05-JUN-89
P207389	TRG	SEP0189BR1319	COPPER	15.2	UG/G			A 5.7	A	RFME	05-JUN-89
P207389	TRG	GSEP01890989001	COPPER	.0250	MG/L		U	25.0		RFMS	21-SEP-89
P207489	TRG	SEP02890306	COPPER	26.6	UG/G			V 4.8	A	RFME	06-JUN-89
P207489	TRG	SEP02890610	COPPER	5.3	UG/G			A 4.6	A	RFME	06-JUN-89
P207489	TRG	SEP02890003	COPPER	9.9	UG/G			A 5.4	A	RFME	06-JUN-89
P207489	TRG	GSEP02890989001	COPPER	.0250	MG/L		U	25.0		RFMS	20-SEP-89
P207589	TRG	SEP0389BR0309	COPPER	5.8	UG/G			A 5.7	A	RFME	18-MAY-89
P207589	TRG	SEP0389BR0915	COPPER	23.7	UG/G			A 6.3	A	RFME	18-MAY-89
P207589	TRG	SEP0389BR1521	COPPER	17.0	UG/G			V 5.8	A	RFME	18-MAY-89
P207689	TRG	SEP04891215	COPPER	8.4	UG/G			A 6.0	A	RFME	05-MAY-89
P207689	TRG	SEP04890006D	COPPER	7.0	UG/G			A 5.7	A	RFME	05-MAY-89
P207689	TRG	SEP04890612	COPPER	10.4	UG/G			A 6.1	A	RFME	05-MAY-89
P207689	TRG	GSEP04890989001	COPPER	.0250	MG/L		U	A 25.0	A	RFMS	14-SEP-89
P207789	TRG	SEP0589BR0613	COPPER	6.3	UG/G			A 5.7	A	RFME	05-MAY-89
P207789	TRG	SEP0589BR1824	COPPER	12.0	UG/G			A 5.8	A	RFME	05-MAY-89
P207789	TRG	SEP0589BR1318	COPPER	13.1	UG/G			A 6.1	A	RFME	05-MAY-89
P207789	TRG	SEP0589BR0006	COPPER	8.4	UG/G			A 5.8	A	RFME	05-MAY-89
P207889	TRG	SEP06890003	COPPER	14.4	UG/G			A 6.5	A	RFME	01-MAY-89
P207889	TRG	SEP06890306	COPPER	8.2	UG/G			A 6.0	A	RFME	01-MAY-89
P207889	TRG	SEP06890306D	COPPER	6.1	UG/G			A 6.0	A	RFME	01-MAY-89
P207889	TRG	GSEP06890989001	COPPER	.0250	MG/L		U	A 25.0	A	RFMS	15-SEP-89
P207989	TRG	SEP0789BR0003	COPPER	7.5	UG/G			V 5.2	A	RFME	02-MAY-89
P207989	TRG	SEP0789BR0306	COPPER	6.4	UG/G			A 5.8	A	RFME	02-MAY-89
P207989	TRG	SEP0789BR1218	COPPER	13.8	UG/G			V 5.9	A	RFME	02-MAY-89
P207989	TRG	SEP0789BR0612	COPPER	35.9	UG/G			V 6.2	A	RFME	02-MAY-89
P208889	TRG	SEP1689BR1016	COPPER	8.1	UG/G			A 5.7	A	RFME	09-MAY-89
P208889	TRG	SEP1689BR0410	COPPER	15.1	UG/G			V 5.9	A	RFME	09-MAY-89
P208889	TRG	GSEP16890989001	COPPER	.0250	MG/L		U	25.0		RFMS	17-OCT-89
P208989	TRG	SEP1789BR0003	COPPER	9.8	UG/G			A 5.6	A	RFME	12-MAY-89
P208989	TRG	SEP1789BR0915	COPPER	7.7	UG/G			A 5.8	A	RFME	12-MAY-89
P208989	TRG	SEP1789BR0309	COPPER	12.0	UG/G			V 6.2	A	RFME	12-MAY-89
P209089	TRG	SEP1889BR1824	COPPER	7.3	UG/G			A 5.8	A	RFME	17-MAY-89
P209089	TRG	SEP1889BR0309	COPPER	10.1	UG/G			A 6.2	A	RFME	17-MAY-89
P209089	TRG	SEP1889BR1218D	COPPER	19.1	UG/G			V 6.0	A	RFME	17-MAY-89
P209089	TRG	SEP1889BR1218	COPPER	11.8	UG/G			V 6.1	A	RFME	17-MAY-89
P209189	TRG	SEP1989BR1016	COPPER	8.5	UG/G			5.8		RFME	25-MAY-89
P209189	TRG	SEP1989BR1622D	COPPER	12.0	UG/G			6.2		RFME	25-MAY-89
P209189	TRG	SEP1989BR1622	COPPER	11.6	UG/G			6.1		RFME	25-MAY-89
P209189	TRG	SEP1989BR0309	COPPER	5.8	UG/G		U	5.8		RFME	25-MAY-89
P209189	TRG	GSEP19890989001	COPPER	.0250	MG/L		U	25.0		RFMS	27-SEP-89
P209189	TRG	GSEP19890989001D	COPPER	.0250	MG/L		U	25.0		RFMS	27-SEP-89
P209289	TRG	SEP20890912	COPPER	10.5	UG/G			A 5.8	A	RFME	08-JUN-89
P209289	TRG	SEP20891418	COPPER	24.6	UG/G			A 4.5	A	RFME	08-JUN-89
P209289	TRG	SEP20890003	COPPER	11.9	UG/G			A 5.5	A	RFME	08-JUN-89
P209289	TRG	SEP20890309	COPPER	5.6	UG/G		U	A 5.6	A	RFME	08-JUN-89
P209389	TRG	SEP2189BR0912	COPPER	10.3	UG/G			A 5.6	A	RFME	07-JUN-89
P209389	TRG	SEP2189BR2026D	COPPER	13.8	UG/G			A 4.9	A	RFME	07-JUN-89
P209389	TRG	SEP2189BR2026	COPPER	10.7	UG/G			A 4.0	A	RFME	07-JUN-89

Location ID	--	Proj_Sample_No	Chemical	Result	Unit	Err	Qual.	D.Lmt	VA	Group	Smpl Date
P209389	TRG	SEP2189BR1420	COPPER	10.4	UG/G			A 5.3	A	RFME	07-JUN-89
P209389	TRG	SEP2189BR0309	COPPER	14.9	UG/G			A 5.3	A	RFME	07-JUN-89
P209389	TRG	GSEP21890989001	COPPER	.0250	MG/L		U	25.0		RFMS	18-SEP-89
P209489	TRG	SEP2289BR1213	COPPER	13.3	UG/G			V 5.5	A	RFME	16-MAY-89
P209489	TRG	SEP2289BR1621	COPPER	5.6	UG/G		U	A 5.6	A	RFME	16-MAY-89
P209489	TRG	SEP2289BR1416	COPPER	5.8	UG/G			A 5.5	A	RFME	16-MAY-89
P209489	TRG	SEP2289BR0307	COPPER	5.3	UG/G		U	A 5.3	A	RFME	16-MAY-89
P209489	TRG	SEP2289BR0912	COPPER	5.7	UG/G		U	A 5.7	A	RFME	16-MAY-89
P209589	TRG	SEP2389BR0004	COPPER	6.3	UG/G		U	A 6.3	A	RFME	10-MAY-89
P209589	TRG	SEP2389BR0410	COPPER	9.1	UG/G			A 5.8	A	RFME	10-MAY-89
P209589	TRG	SEP2389BR1015	COPPER	12.2	UG/G			V 5.7	A	RFME	10-MAY-89
P209689	TRG	SEP2489BR1824	COPPER	19.4	UG/G			V 6.1	A	RFME	03-MAY-89
P209689	TRG	SEP2489BR0612	COPPER	5.9	UG/G			V 5.8	A	RFME	03-MAY-89
P209689	TRG	SEP2489BR1218	COPPER	73.6	UG/G			A 6.0	A	RFME	03-MAY-89
P209789	TRG	SEP25890006	COPPER	5.6	UG/G		U	5.6		RFME	04-MAY-89
P209789	TRG	SEP25891216	COPPER	8.8	UG/G			6.2		RFME	04-MAY-89
P209789	TRG	SEP25890608	COPPER	5.5	UG/G		U	5.5		RFME	04-MAY-89
P209789	TRG	GSEP25890989001	COPPER	.0250	MG/L		U	25.0		RFMS	13-SEP-89
P209789	TRG	GSEP25890989001D	COPPER	.0250	MG/L		U	25.0		RFMS	13-SEP-89
P209889	TRG	SEP2689BR0004	COPPER	8.7	UG/G			A 5.9	A	RFME	11-MAY-89
P209889	TRG	SEP2689BR0410	COPPER	17.5	UG/G			V 6.1	A	RFME	11-MAY-89
P209889	TRG	SEP2689BR1016	COPPER	13.1	UG/G			V 5.7	A	RFME	11-MAY-89
P209889	TRG	SEP2689BR0410D	COPPER	13.6	UG/G			V 6.3	A	RFME	11-MAY-89
P210189	TRG	SEP3089BR0309	COPPER	10.3	UG/G			V 5.5	A	RFME	19-MAY-89
P210189	TRG	SEP3089BR0915	COPPER	4.6	UG/G		U	A 4.6	A	RFME	19-MAY-89
P210189	TRG	SEP3089BR2127	COPPER	24.3	UG/G			V 5.3	A	RFME	19-MAY-89
P210189	TRG	SEP3089BR1521	COPPER	18.2	UG/G			V 5.7	A	RFME	19-MAY-89
P210189	TRG	GSEP30890989001	COPPER	.0250	MG/L		U	25.0		RFMS	28-SEP-89
P210289	TRG	SEP3189BR0306	COPPER	7.3	UG/G			A 5.8	A	RFME	15-MAY-89
P210289	TRG	SEP3189BR1319	COPPER	15.7	UG/G			V 6.1	A	RFME	15-MAY-89
P210289	TRG	SEP3189BR0713	COPPER	18.0	UG/G			V 5.9	A	RFME	15-MAY-89
P210289	TRG	GSEP31890989001	COPPER	.0250	MG/L		U	25.0		RFMS	25-SEP-89
P207389	TRG	SEP0189BR0307	IRON	7030	UG/G			19.4		RFME	05-JUN-89
P207389	TRG	SEP0189BR1319	IRON	6460	UG/G			A 22.7	A	RFME	05-JUN-89
P207389	TRG	SEP0189BR0713	IRON	5470	UG/G			A 23.5	A	RFME	05-JUN-89
P207389	TRG	GSEP01890989001	IRON	.100	MG/L		U	100		RFMS	21-SEP-89
P207489	TRG	SEP02890610	IRON	3260	UG/G			18.4	A	RFME	06-JUN-89
P207489	TRG	SEP02890003	IRON	5570	UG/G			21.7	A	RFME	06-JUN-89
P207489	TRG	SEP02890306	IRON	33500	UG/G			192	A	RFME	06-JUN-89
P207489	TRG	GSEP02890989001	IRON	.100	MG/L		U	100		RFMS	20-SEP-89
P207589	TRG	SEP0389BR0309	IRON	8570	UG/G			A 22.9	A	RFME	18-MAY-89
P207589	TRG	SEP0389BR0915	IRON	30500	UG/G			A 251	A	RFME	18-MAY-89
P207589	TRG	SEP0389BR1521	IRON	7380	UG/G			A 23.3	A	RFME	18-MAY-89
P207689	TRG	SEP04890006D	IRON	7200	UG/G			A 23.0	A	RFME	05-MAY-89
P207689	TRG	SEP04891215	IRON	7380	UG/G			A 23.9	A	RFME	05-MAY-89
P207689	TRG	SEP04890612	IRON	4730	UG/G			A 24.5	A	RFME	05-MAY-89
P207689	TRG	GSEP04890989001	IRON	.100	MG/L		U	V 100	A	RFMS	14-SEP-89
P207789	TRG	SEP0589BR1824	IRON	2690	UG/G			A 23.4	A	RFME	05-MAY-89
P207789	TRG	SEP0589BR0006	IRON	7290	UG/G			A 23.3	A	RFME	05-MAY-89
P207789	TRG	SEP0589BR0613	IRON	6600	UG/G			A 22.6	A	RFME	05-MAY-89
P207789	TRG	SEP0589BR1318	IRON	8540	UG/G			A 24.5	A	RFME	05-MAY-89
P207889	TRG	SEP06890003	IRON	22800	UG/G			V 25.8	A	RFME	01-MAY-89
P207889	TRG	SEP06890306	IRON	7660	UG/G			V 23.8	A	RFME	01-MAY-89
P207889	TRG	SEP06890306D	IRON	5180	UG/G			V 24.0	A	RFME	01-MAY-89
P207889	TRG	GSEP06890989001	IRON	.100	MG/L		U	V 100	A	RFMS	15-SEP-89
P207989	TRG	SEP0789BR0003	IRON	7290	UG/G			A 20.9	A	RFME	02-MAY-89
P207989	TRG	SEP0789BR0306	IRON	10500	UG/G			A 23.1	A	RFME	02-MAY-89
P207989	TRG	SEP0789BR1218	IRON	8840	UG/G			A 23.5	A	RFME	02-MAY-89

Location ID		Proj_Sample_No	Chemical	Result	Unit	Err	Qual.	D.Lmt	VA	Group	Smpl Date
P207989	TRG	SEP0789BR0612	IRON	22300	UG/G			A 24.9	A	RFME	02-MAY-89
P208889	TRG	SEP1689BR1016	IRON	5550	UG/G			A 22.7	A	RFME	09-MAY-89
P208889	TRG	SEP1689BR0410	IRON	6550	UG/G			A 23.6	A	RFME	09-MAY-89
P208889	TRG	GSEP16890989001	IRON	.100	MG/L		U	100		RFMS	17-OCT-89
P208989	TRG	SEP1789BR0003	IRON	18300	UG/G			V 22.3	A	RFME	12-MAY-89
P208989	TRG	SEP1789BR0915	IRON	3160	UG/G			V 23.4	A	RFME	12-MAY-89
P208989	TRG	SEP1789BR0309	IRON	6820	UG/G			V 24.8	A	RFME	12-MAY-89
P209089	TRG	SEP1889BR0309	IRON	11600	UG/G			V 24.7	A	RFME	17-MAY-89
P209089	TRG	SEP1889BR1824	IRON	3640	UG/G			V 23.1	A	RFME	17-MAY-89
P209089	TRG	SEP1889BR1218D	IRON	6840	UG/G			V 24.0	A	RFME	17-MAY-89
P209089	TRG	SEP1889BR1218	IRON	6210	UG/G			V 24.3	A	RFME	17-MAY-89
P209189	TRG	SEP1989BR1622	IRON	14500	UG/G			24.3		RFME	25-MAY-89
P209189	TRG	SEP1989BR1622D	IRON	12000	UG/G			24.7		RFME	25-MAY-89
P209189	TRG	SEP1989BR0309	IRON	12600	UG/G			23.1		RFME	25-MAY-89
P209189	TRG	SEP1989BR1016	IRON	7830	UG/G			23.0		RFME	25-MAY-89
P209189	TRG	GSEP19890989001	IRON	.100	MG/L		U	100		RFMS	27-SEP-89
P209189	TRG	GSEP19890989001D	IRON	.100	MG/L		U	100		RFMS	27-SEP-89
P209289	TRG	SEP20891418	IRON	28400	UG/G			V 18.2	A	RFME	08-JUN-89
P209289	TRG	SEP20890003	IRON	13700	UG/G			V 21.8	A	RFME	08-JUN-89
P209289	TRG	SEP20890309	IRON	7790	UG/G			V 22.6	A	RFME	08-JUN-89
P209289	TRG	SEP20890912	IRON	9270	UG/G			V 23.0	A	RFME	08-JUN-89
P209389	TRG	SEP2189BR1420	IRON	9890	UG/G			V 21.2	A	RFME	07-JUN-89
P209389	TRG	SEP2189BR2026D	IRON	10600	UG/G			V 19.4	A	RFME	07-JUN-89
P209389	TRG	SEP2189BR2026	IRON	9620	UG/G			V 15.8	A	RFME	07-JUN-89
P209389	TRG	SEP2189BR0309	IRON	32300	UG/G			V 210	A	RFME	07-JUN-89
P209389	TRG	SEP2189BR0912	IRON	9260	UG/G			V 22.2	A	RFME	07-JUN-89
P209389	TRG	GSEP21890989001	IRON	.100	MG/L		U	100		RFMS	18-SEP-89
P209489	TRG	SEP2289BR1416	IRON	6860	UG/G			A 22.0	A	RFME	16-MAY-89
P209489	TRG	SEP2289BR1621	IRON	4980	UG/G			A 22.6	A	RFME	16-MAY-89
P209489	TRG	SEP2289BR0307	IRON	5640	UG/G			A 21.2	A	RFME	16-MAY-89
P209489	TRG	SEP2289BR0912	IRON	5280	UG/G			A 22.9	A	RFME	16-MAY-89
P209489	TRG	SEP2289BR1213	IRON	18900	UG/G			A 22.0	A	RFME	16-MAY-89
P209589	TRG	SEP2389BR0004	IRON	10800	UG/G			A 25.0	A	RFME	10-MAY-89
P209589	TRG	SEP2389BR0410	IRON	4920	UG/G			A 23.2	A	RFME	10-MAY-89
P209589	TRG	SEP2389BR1015	IRON	8710	UG/G			A 22.6	A	RFME	10-MAY-89
P209689	TRG	SEP2489BR0612	IRON	7550	UG/G			A 23.2	A	RFME	03-MAY-89
P209689	TRG	SEP2489BR1218	IRON	75900	UG/G			A 239	A	RFME	03-MAY-89
P209689	TRG	SEP2489BR1824	IRON	11200	UG/G			A 24.4	A	RFME	03-MAY-89
P209789	TRG	SEP25890608	IRON	4740	UG/G			22.0		RFME	04-MAY-89
P209789	TRG	SEP25891216	IRON	5210	UG/G			25.0		RFME	04-MAY-89
P209789	TRG	SEP25890006	IRON	6070	UG/G			22.4		RFME	04-MAY-89
P209789	TRG	GSEP25890989001	IRON	.100	MG/L		U	100		RFMS	13-SEP-89
P209789	TRG	GSEP25890989001D	IRON	.100	MG/L		U	100		RFMS	13-SEP-89
P209889	TRG	SEP2689BR0410	IRON	9060	UG/G			V 24.3	A	RFME	11-MAY-89
P209889	TRG	SEP2689BR1016	IRON	21300	UG/G			V 22.9	A	RFME	11-MAY-89
P209889	TRG	SEP2689BR0410D	IRON	5160	UG/G			V 25.0	A	RFME	11-MAY-89
P209889	TRG	SEP2689BR0004	IRON	10500	UG/G			V 23.6	A	RFME	11-MAY-89
P210189	TRG	SEP3089BR0309	IRON	16000	UG/G			V 21.9	A	RFME	19-MAY-89
P210189	TRG	SEP3089BR0915	IRON	4720	UG/G			V 18.6	A	RFME	19-MAY-89
P210189	TRG	SEP3089BR2127	IRON	21200	UG/G			V 21.4	A	RFME	19-MAY-89
P210189	TRG	SEP3089BR1521	IRON	21200	UG/G			V 22.8	A	RFME	19-MAY-89
P210189	TRG	GSEP30890989001	IRON	.100	MG/L		U	100		RFMS	28-SEP-89
P210289	TRG	SEP3189BR0306	IRON	15300	UG/G			V 23.1	A	RFME	15-MAY-89
P210289	TRG	SEP3189BR0713	IRON	6650	UG/G			V 23.6	A	RFME	15-MAY-89
P210289	TRG	SEP3189BR1319	IRON	7640	UG/G			V 24.2	A	RFME	15-MAY-89
P210289	TRG	GSEP31890989001	IRON	.100	MG/L		U	100		RFMS	25-SEP-89
P207389	TRG	SEP0189BR0307	LEAD	5.9	UG/G		U	5.9		RFME	05-JUN-89
P207389	TRG	SEP0189BR1319	LEAD	11.2	UG/G		U	A 11.2	A	RFME	05-JUN-89

Location ID		Proj_Sample_No	Chemical	Result	Unit	Err	Qual.		D.Lmt	VA	Group	Smpl Date
P207389	TRG	SEP0189BR0713	LEAD	8.9	UG/G		U	A	8.9	A	RFME	05-JUN-89
P207389	TRG	GSEP01890989001	LEAD	.0050	MG/L		U		5.0		RFMS	21-SEP-89
P207489	TRG	SEP02890610	LEAD	10.8	UG/G		U	V	10.8	A	RFME	06-JUN-89
P207489	TRG	SEP02890003	LEAD	11.7	UG/G		U	V	11.7	A	RFME	06-JUN-89
P207489	TRG	SEP02890306	LEAD	3.7	UG/G		U	V	3.7	A	RFME	06-JUN-89
P207489	TRG	GSEP02890989001	LEAD	.0050	MG/L		U		5.0		RFMS	20-SEP-89
P207589	TRG	SEP0389BR0309	LEAD	5.4	UG/G			A	2.3	A	RFME	18-MAY-89
P207589	TRG	SEP0389BR1521	LEAD	24.6	UG/G			A	6.1	A	RFME	18-MAY-89
P207589	TRG	SEP0389BR0915	LEAD	6.6	UG/G			A	1.2	A	RFME	18-MAY-89
P207689	TRG	SEP04890006D	LEAD	6.9	UG/G			A	4.5	A	RFME	05-MAY-89
P207689	TRG	SEP04890612	LEAD	13.6	UG/G			A	2.5	A	RFME	05-MAY-89
P207689	TRG	SEP04891215	LEAD	11.8	UG/G			A	10.0	A	RFME	05-MAY-89
P207689	TRG	GSEP04890989001	LEAD	.0404	MG/L			A	20.0	A	RFMS	14-SEP-89
P207789	TRG	SEP0589BR1824	LEAD	18.5	UG/G			A	2.4	A	RFME	05-MAY-89
P207789	TRG	SEP0589BR0006	LEAD	10.5	UG/G			A	9.2	A	RFME	05-MAY-89
P207789	TRG	SEP0589BR0613	LEAD	14.6	UG/G			A	9.1	A	RFME	05-MAY-89
P207789	TRG	SEP0589BR1318	LEAD	24.7	UG/G			A	24.7	A	RFME	05-MAY-89
P207889	TRG	SEP06890003	LEAD	16.7	UG/G			V	3.8	A	RFME	01-MAY-89
P207889	TRG	SEP06890306	LEAD	4.7	UG/G			V	1.2	A	RFME	01-MAY-89
P207889	TRG	SEP06890306D	LEAD	5.1	UG/G			V	1.2	A	RFME	01-MAY-89
P207889	TRG	GSEP06890989001	LEAD	.0050	MG/L		U	A	5.0	A	RFMS	15-SEP-89
P207989	TRG	SEP0789BR0003	LEAD	8.9	UG/G			A	2.1	A	RFME	02-MAY-89
P207989	TRG	SEP0789BR1218	LEAD	19.0	UG/G			A	9.4	A	RFME	02-MAY-89
P207989	TRG	SEP0789BR0306	LEAD	6.0	UG/G			A	4.8	A	RFME	02-MAY-89
P207989	TRG	SEP0789BR0612	LEAD	13.8	UG/G			A	2.5	A	RFME	02-MAY-89
P208889	TRG	SEP1689BR0410	LEAD	20.3	UG/G			A	3.7	A	RFME	09-MAY-89
P208889	TRG	SEP1689BR1016	LEAD	9.3	UG/G			A	2.3	A	RFME	09-MAY-89
P208889	TRG	GSEP16890989001	LEAD	.0050	MG/L		U		5.0		RFMS	17-OCT-89
P208989	TRG	SEP1789BR0003	LEAD	19.8	UG/G			V	4.7	A	RFME	12-MAY-89
P208989	TRG	SEP1789BR0915	LEAD	21.4	UG/G			V	4.8	A	RFME	12-MAY-89
P208989	TRG	SEP1789BR0309	LEAD	27.5	UG/G			V	5.0	A	RFME	12-MAY-89
P209089	TRG	SEP1889BR0309	LEAD	8.6	UG/G			V	2.4	A	RFME	17-MAY-89
P209089	TRG	SEP1889BR1218D	LEAD	21.7	UG/G			V	3.5	A	RFME	17-MAY-89
P209089	TRG	SEP1889BR1824	LEAD	19.9	UG/G			V	3.5	A	RFME	17-MAY-89
P209089	TRG	SEP1889BR1218	LEAD	18.2	UG/G			V	3.6	A	RFME	17-MAY-89
P209189	TRG	SEP1989BR1622D	LEAD	9.8	UG/G				4.9		RFME	25-MAY-89
P209189	TRG	SEP1989BR0309	LEAD	10.6	UG/G				4.6		RFME	25-MAY-89
P209189	TRG	SEP1989BR1016	LEAD	6.4	UG/G				4.6		RFME	25-MAY-89
P209189	TRG	SEP1989BR1622	LEAD	14.7	UG/G				4.8		RFME	25-MAY-89
P209189	TRG	GSEP19890989001	LEAD	.0050	MG/L		U		5.0		RFMS	27-SEP-89
P209189	TRG	GSEP19890989001D	LEAD	.0050	MG/L		U		5.0		RFMS	27-SEP-89
P209289	TRG	SEP20891418	LEAD	4.9	UG/G			V	1.2	A	RFME	08-JUN-89
P209289	TRG	SEP20890003	LEAD	9.5	UG/G		U	V	9.5	A	RFME	08-JUN-89
P209289	TRG	SEP20890912	LEAD	7.6	UG/G		U	V	7.6	A	RFME	08-JUN-89
P209289	TRG	SEP20890309	LEAD	7.9	UG/G		U	V	7.9	A	RFME	08-JUN-89
P209389	TRG	SEP2189BR2026	LEAD	7.1	UG/G		U	V	7.1	A	RFME	07-JUN-89
P209389	TRG	SEP2189BR2026D	LEAD	3.1	UG/G			A	1.0	A	RFME	07-JUN-89
P209389	TRG	SEP2189BR0309	LEAD	3.8	UG/G		U	V	3.8	A	RFME	07-JUN-89
P209389	TRG	SEP2189BR1420	LEAD	8.8	UG/G		U	V	8.8	A	RFME	07-JUN-89
P209389	TRG	SEP2189BR0912	LEAD	4.2	UG/G		U	V	4.2	A	RFME	07-JUN-89
P209389	TRG	GSEP21890989001	LEAD	.0050	MG/L		U		5.0		RFMS	18-SEP-89
P209489	TRG	SEP2289BR1416	LEAD	9.6	UG/G			V	2.2	A	RFME	16-MAY-89
P209489	TRG	SEP2289BR1621	LEAD	14.5	UG/G			V	2.2	A	RFME	16-MAY-89
P209489	TRG	SEP2289BR0307	LEAD	9.5	UG/G			V	2.2	A	RFME	16-MAY-89
P209489	TRG	SEP2289BR0912	LEAD	12.4	UG/G			V	2.3	A	RFME	16-MAY-89
P209489	TRG	SEP2289BR1213	LEAD	9.8	UG/G			V	2.1	A	RFME	16-MAY-89
P209589	TRG	SEP2389BR0004	LEAD	10.3	UG/G			A	2.5	A	RFME	10-MAY-89
P209589	TRG	SEP2389BR0410	LEAD	17.6	UG/G			A	3.5	A	RFME	10-MAY-89

Location ID		Proj_Sample_No	Chemical	Result	Unit	Err	Qual.	D.Lmt	VA	Group	Smpl Date
P209589	TRG	SEP2389BR1015	LEAD	14.0	UG/G			A 2.3	A	RFME	10-MAY-89
P209689	TRG	SEP2489BR0612	LEAD	6.9	UG/G			A 1.1	A	RFME	03-MAY-89
P209689	TRG	SEP2489BR1218	LEAD	30.9	UG/G			A 23.4	A	RFME	03-MAY-89
P209689	TRG	SEP2489BR1824	LEAD	14.8	UG/G			A 2.5	A	RFME	03-MAY-89
P209789	TRG	SEP25890608	LEAD	4.1	UG/G			1.1		RFME	04-MAY-89
P209789	TRG	SEP25891216	LEAD	86.9	UG/G			49.9		RFME	04-MAY-89
P209789	TRG	SEP25890006	LEAD	3.9	UG/G			2.1		RFME	04-MAY-89
P209789	TRG	GSEP25890989001	LEAD	.0050	MG/L		U	5.0		RFMS	13-SEP-89
P209789	TRG	GSEP25890989001D	LEAD	.0050	MG/L		U	5.0		RFMS	13-SEP-89
P209889	TRG	SEP2689BR0410	LEAD	25.7	UG/G			V 4.8	A	RFME	11-MAY-89
P209889	TRG	SEP2689BR1016	LEAD	30.3	UG/G			V 4.7	A	RFME	11-MAY-89
P209889	TRG	SEP2689BR0410D	LEAD	27.5	UG/G			V 5.0	A	RFME	11-MAY-89
P209889	TRG	SEP2689BR0004	LEAD	11.4	UG/G			V 2.4	A	RFME	11-MAY-89
P210189	TRG	SEP3089BR0309	LEAD	7.4	UG/G			A 4.4	A	RFME	19-MAY-89
P210189	TRG	SEP3089BR2127	LEAD	13.5	UG/G			A 2.4	A	RFME	19-MAY-89
P210189	TRG	SEP3089BR1521	LEAD	14.0	UG/G			A 2.1	A	RFME	19-MAY-89
P210189	TRG	SEP3089BR0915	LEAD	2.6	UG/G			A 0.93	A	RFME	19-MAY-89
P210189	TRG	GSEP30890989001	LEAD	.0050	MG/L		U	5.0		RFMS	28-SEP-89
P210289	TRG	SEP3189BR0306	LEAD	20.2	UG/G			V 4.6	A	RFME	15-MAY-89
P210289	TRG	SEP3189BR1319	LEAD	31.1	UG/G			V 4.9	A	RFME	15-MAY-89
P210289	TRG	SEP3189BR0713	LEAD	25.9	UG/G			V 4.7	A	RFME	15-MAY-89
P210289	TRG	GSEP31890989001	LEAD	.0050	MG/L		U	5.0		RFMS	25-SEP-89
P207389	TRG	SEP0189BR0307	LITHIUM	19.4	UG/G		U	19.4		RFME	05-JUN-89
P207389	TRG	SEP0189BR1319	LITHIUM	22.7	UG/G		U	R 22.7	A	RFME	05-JUN-89
P207389	TRG	SEP0189BR0713	LITHIUM	23.5	UG/G		U	R 23.5	A	RFME	05-JUN-89
P207389	TRG	GSEP01890989001	LITHIUM	.100	MG/L		U	100		RFMS	21-SEP-89
P207489	TRG	SEP02890610	LITHIUM	18.4	UG/G		U	A 18.4	A	RFME	06-JUN-89
P207489	TRG	SEP02890003	LITHIUM	21.7	UG/G		U	A 21.7	A	RFME	06-JUN-89
P207489	TRG	SEP02890306	LITHIUM	19.2	UG/G		U	A 19.2	A	RFME	06-JUN-89
P207489	TRG	GSEP02890989001	LITHIUM	.100	MG/L		U	100		RFMS	20-SEP-89
P207589	TRG	SEP0389BR0915	LITHIUM	6.0	UG/G			V 2.5	A	RFME	18-MAY-89
P207589	TRG	SEP0389BR1521	LITHIUM	3.7	UG/G			V 2.3	A	RFME	18-MAY-89
P207589	TRG	SEP0389BR0309	LITHIUM	18.8	UG/G			V 2.3	A	RFME	18-MAY-89
P207689	TRG	SEP04890006D	LITHIUM	11.8	UG/G			V 2.3	A	RFME	05-MAY-89
P207689	TRG	SEP04890612	LITHIUM	5.1	UG/G			V 2.5	A	RFME	05-MAY-89
P207689	TRG	SEP04891215	LITHIUM	8.3	UG/G			V 2.4	A	RFME	05-MAY-89
P207689	TRG	GSEP04890989001	LITHIUM	.100	MG/L		U	A 100	A	RFMS	14-SEP-89
P207789	TRG	SEP0589BR1824	LITHIUM	3.1	UG/G			V 2.3	A	RFME	05-MAY-89
P207789	TRG	SEP0589BR0006	LITHIUM	9.2	UG/G			V 2.3	A	RFME	05-MAY-89
P207789	TRG	SEP0589BR0613	LITHIUM	10.8	UG/G			V 2.3	A	RFME	05-MAY-89
P207789	TRG	SEP0589BR1318	LITHIUM	13.6	UG/G			V 2.4	A	RFME	05-MAY-89
P207889	TRG	SEP06890003	LITHIUM	23.9	UG/G			V 2.6	A	RFME	01-MAY-89
P207889	TRG	SEP06890306D	LITHIUM	9.6	UG/G			V 2.4	A	RFME	01-MAY-89
P207889	TRG	SEP06890306	LITHIUM	12.2	UG/G			V 2.4	A	RFME	01-MAY-89
P207889	TRG	GSEP06890989001	LITHIUM	.100	MG/L		U	A 100	A	RFMS	15-SEP-89
P207989	TRG	SEP0789BR0003	LITHIUM	6.7	UG/G			V 2.1	A	RFME	02-MAY-89
P207989	TRG	SEP0789BR1218	LITHIUM	10.1	UG/G			V 2.4	A	RFME	02-MAY-89
P207989	TRG	SEP0789BR0612	LITHIUM	7.9	UG/G			V 2.5	A	RFME	02-MAY-89
P207989	TRG	SEP0789BR0306	LITHIUM	9.9	UG/G			V 2.3	A	RFME	02-MAY-89
P208889	TRG	SEP1689BR0410	LITHIUM	5.7	UG/G			V 2.4	A	RFME	09-MAY-89
P208889	TRG	SEP1689BR1016	LITHIUM	5.6	UG/G			V 2.3	A	RFME	09-MAY-89
P208889	TRG	GSEP16890989001	LITHIUM	.100	MG/L		U	100		RFMS	17-OCT-89
P208989	TRG	SEP1789BR0003	LITHIUM	3.1	UG/G			V 2.2	A	RFME	12-MAY-89
P208989	TRG	SEP1789BR0309	LITHIUM	2.7	UG/G			V 2.5	A	RFME	12-MAY-89
P208989	TRG	SEP1789BR0915	LITHIUM	2.3	UG/G		U	V 2.3	A	RFME	12-MAY-89
P209089	TRG	SEP1889BR0309	LITHIUM	35.8	UG/G			V 2.5	A	RFME	17-MAY-89
P209089	TRG	SEP1889BR1824	LITHIUM	2.3	UG/G		U	V 2.3	A	RFME	17-MAY-89
P209089	TRG	SEP1889BR1218D	LITHIUM	3.2	UG/G			V 2.4	A	RFME	17-MAY-89

Location ID	--	Proj_Sample_No	Chemical	Result	Unit	Err	Qual.	D.Lmt	VA	Group	Smpl Date
P209089	TRG	SEP1889BR1218	LITHIUM	2.4	UG/G		U	V 2.4	A	RFME	17-MAY-89
P209189	TRG	SEP1989BR1622D	LITHIUM	3.6	UG/G			2.5		RFME	25-MAY-89
P209189	TRG	SEP1989BR0309	LITHIUM	9.2	UG/G			2.3		RFME	25-MAY-89
P209189	TRG	SEP1989BR1622	LITHIUM	3.9	UG/G			2.4		RFME	25-MAY-89
P209189	TRG	SEP1989BR1016	LITHIUM	2.3	UG/G		U	2.3		RFME	25-MAY-89
P209189	TRG	GSEP19890989001	LITHIUM	.110	MG/L			100		RFMS	27-SEP-89
P209189	TRG	GSEP19890989001D	LITHIUM	.113	MG/L			100		RFMS	27-SEP-89
P209289	TRG	SEP20891418	LITHIUM	18.2	UG/G		U	A 18.2	A	RFME	08-JUN-89
P209289	TRG	SEP20890003	LITHIUM	21.8	UG/G		U	A 21.8	A	RFME	08-JUN-89
P209289	TRG	SEP20890309	LITHIUM	22.6	UG/G		U	A 22.6	A	RFME	08-JUN-89
P209289	TRG	SEP20890912	LITHIUM	23.0	UG/G		U	A 23.0	A	RFME	08-JUN-89
P209389	TRG	SEP2189BR2026	LITHIUM	15.8	UG/G		U	A 15.8	A	RFME	07-JUN-89
P209389	TRG	SEP2189BR2026D	LITHIUM	19.4	UG/G		U	A 19.4	A	RFME	07-JUN-89
P209389	TRG	SEP2189BR0309	LITHIUM	21.0	UG/G		U	A 21.0	A	RFME	07-JUN-89
P209389	TRG	SEP2189BR0912	LITHIUM	22.2	UG/G		U	A 22.2	A	RFME	07-JUN-89
P209389	TRG	SEP2189BR1420	LITHIUM	21.2	UG/G		U	A 21.2	A	RFME	07-JUN-89
P209389	TRG	GSEP21890989001	LITHIUM	.100	MG/L		U	100		RFMS	18-SEP-89
P209489	TRG	SEP2289BR1416	LITHIUM	2.2	UG/G		U	V 2.2	A	RFME	16-MAY-89
P209489	TRG	SEP2289BR1621	LITHIUM	2.3	UG/G		U	V 2.3	A	RFME	16-MAY-89
P209489	TRG	SEP2289BR0307	LITHIUM	3.6	UG/G			V 2.1	A	RFME	16-MAY-89
P209489	TRG	SEP2289BR0912	LITHIUM	3.2	UG/G			V 2.3	A	RFME	16-MAY-89
P209489	TRG	SEP2289BR1213	LITHIUM	2.2	UG/G		U	V 2.2	A	RFME	16-MAY-89
P209589	TRG	SEP2389BR0410	LITHIUM	4.1	UG/G			V 2.3	A	RFME	10-MAY-89
P209589	TRG	SEP2389BR1015	LITHIUM	5.5	UG/G			V 2.3	A	RFME	10-MAY-89
P209589	TRG	SEP2389BR0004	LITHIUM	9.1	UG/G			V 2.5	A	RFME	10-MAY-89
P209689	TRG	SEP2489BR0612	LITHIUM	10.6	UG/G			V 2.3	A	RFME	03-MAY-89
P209689	TRG	SEP2489BR1218	LITHIUM	4.3	UG/G			V 2.4	A	RFME	03-MAY-89
P209689	TRG	SEP2489BR1824	LITHIUM	4.7	UG/G			V 2.4	A	RFME	03-MAY-89
P209789	TRG	SEP25890608	LITHIUM	5.3	UG/G			2.2		RFME	04-MAY-89
P209789	TRG	SEP25891216	LITHIUM	8.9	UG/G			2.5		RFME	04-MAY-89
P209789	TRG	SEP25890006	LITHIUM	6.5	UG/G			2.2		RFME	04-MAY-89
P209789	TRG	GSEP25890989001	LITHIUM	.100	MG/L		U	100		RFMS	13-SEP-89
P209789	TRG	GSEP25890989001D	LITHIUM	.100	MG/L		U	100		RFMS	13-SEP-89
P209889	TRG	SEP2689BR0410	LITHIUM	4.4	UG/G			V 2.4	A	RFME	11-MAY-89
P209889	TRG	SEP2689BR0410D	LITHIUM	5.1	UG/G			V 2.5	A	RFME	11-MAY-89
P209889	TRG	SEP2689BR1016	LITHIUM	5.1	UG/G			V 2.3	A	RFME	11-MAY-89
P209889	TRG	SEP2689BR0004	LITHIUM	11.8	UG/G			V 2.4	A	RFME	11-MAY-89
P210189	TRG	SEP3089BR0309	LITHIUM	21.9	UG/G		U	V 21.9	A	RFME	19-MAY-89
P210189	TRG	SEP3089BR0915	LITHIUM	18.6	UG/G		U	V 18.6	A	RFME	19-MAY-89
P210189	TRG	SEP3089BR1521	LITHIUM	22.8	UG/G		U	V 22.8	A	RFME	19-MAY-89
P210189	TRG	SEP3089BR2127	LITHIUM	21.4	UG/G		U	V 21.4	A	RFME	19-MAY-89
P210189	TRG	GSEP30890989001	LITHIUM	.100	MG/L		U	100		RFMS	28-SEP-89
P210289	TRG	SEP3189BR0306	LITHIUM	11.9	UG/G			V 2.3	A	RFME	15-MAY-89
P210289	TRG	SEP3189BR0713	LITHIUM	5.8	UG/G			V 2.4	A	RFME	15-MAY-89
P210289	TRG	SEP3189BR1319	LITHIUM	4.1	UG/G			V 2.4	A	RFME	15-MAY-89
P210289	TRG	GSEP31890989001	LITHIUM	.104	MG/L			100		RFMS	25-SEP-89
P207389	TRG	SEP0189BR0307	MAGNESIUM	2760	UG/G			970		RFME	05-JUN-89
P207389	TRG	SEP0189BR1319	MAGNESIUM	1590	UG/G			A 1130	A	RFME	05-JUN-89
P207389	TRG	SEP0189BR0713	MAGNESIUM	2540	UG/G			A 1180	A	RFME	05-JUN-89
P207389	TRG	GSEP01890989001	MAGNESIUM	16.80	MG/L			5000		RFMS	21-SEP-89
P207489	TRG	SEP02890610	MAGNESIUM	2340	UG/G			918	A	RFME	06-JUN-89
P207489	TRG	SEP02890003	MAGNESIUM	1990	UG/G			1080	A	RFME	06-JUN-89
P207489	TRG	SEP02890306	MAGNESIUM	3120	UG/G			960	A	RFME	06-JUN-89
P207489	TRG	GSEP02890989001	MAGNESIUM	23.40	MG/L			5000		RFMS	20-SEP-89
P207589	TRG	SEP0389BR0915	MAGNESIUM	4030	UG/G			V 1260	A	RFME	18-MAY-89
P207589	TRG	SEP0389BR1521	MAGNESIUM	2800	UG/G			V 1170	A	RFME	18-MAY-89
P207589	TRG	SEP0389BR0309	MAGNESIUM	6460	UG/G			V 1150	A	RFME	18-MAY-89
P207689	TRG	SEP048900006D	MAGNESIUM	4790	UG/G			A 1150	A	RFME	05-MAY-89

Location	ID	Proj_Sample_No	Chemical	Result	Unit	Err	Qual.	D.Lmt	VA	Group	Smpl Date
P207689	TRG	SEP04890612	MAGNESIUM	3620	UG/G			A 1230	A	RFME	05-MAY-89
P207689	TRG	SEP04891215	MAGNESIUM	4060	UG/G			A 1190	A	RFME	05-MAY-89
P207689	TRG	GSEP04890989001	MAGNESIUM	123.00	MG/L			V 5000	A	RFMS	14-SEP-89
P207789	TRG	SEP0589BR1824	MAGNESIUM	2560	UG/G			A 1170	A	RFME	05-MAY-89
P207789	TRG	SEP0589BR0006	MAGNESIUM	4160	UG/G			A 1170	A	RFME	05-MAY-89
P207789	TRG	SEP0589BR1318	MAGNESIUM	4730	UG/G			A 1220	A	RFME	05-MAY-89
P207789	TRG	SEP0589BR0613	MAGNESIUM	4440	UG/G			A 1130	A	RFME	05-MAY-89
P207889	TRG	SEP06890306	MAGNESIUM	3730	UG/G			A 1190	A	RFME	01-MAY-89
P207889	TRG	SEP06890306D	MAGNESIUM	3240	UG/G			A 1200	A	RFME	01-MAY-89
P207889	TRG	SEP06890003	MAGNESIUM	4380	UG/G			A 1290	A	RFME	01-MAY-89
P207889	TRG	GSEP06890989001	MAGNESIUM	71.60	MG/L			V 5000	A	RFMS	15-SEP-89
P207989	TRG	SEP0789BR0003	MAGNESIUM	1440	UG/G			A 1040	A	RFME	02-MAY-89
P207989	TRG	SEP0789BR1218	MAGNESIUM	3260	UG/G			A 1180	A	RFME	02-MAY-89
P207989	TRG	SEP0789BR0612	MAGNESIUM	4650	UG/G			A 1240	A	RFME	02-MAY-89
P207989	TRG	SEP0789BR0306	MAGNESIUM	4120	UG/G			A 1150	A	RFME	02-MAY-89
P208889	TRG	SEP1689BR0410	MAGNESIUM	2910	UG/G			V 1180	A	RFME	09-MAY-89
P208889	TRG	SEP1689BR1016	MAGNESIUM	1940	UG/G			V 1130	A	RFME	09-MAY-89
P208889	TRG	GSEP16890989001	MAGNESIUM	5.00	MG/L		U	5000		RFMS	17-OCT-89
P208989	TRG	SEP1789BR0309	MAGNESIUM	2450	UG/G			V 1240	A	RFME	12-MAY-89
P208989	TRG	SEP1789BR0915	MAGNESIUM	1530	UG/G			V 1170	A	RFME	12-MAY-89
P208989	TRG	SEP1789BR0003	MAGNESIUM	1910	UG/G			V 1120	A	RFME	12-MAY-89
P209089	TRG	SEP1889BR0309	MAGNESIUM	3730	UG/G			V 1230	A	RFME	17-MAY-89
P209089	TRG	SEP1889BR1824	MAGNESIUM	1940	UG/G			V 1160	A	RFME	17-MAY-89
P209089	TRG	SEP1889BR1218D	MAGNESIUM	3020	UG/G			V 1200	A	RFME	17-MAY-89
P209089	TRG	SEP1889BR1218	MAGNESIUM	2640	UG/G			V 1220	A	RFME	17-MAY-89
P209189	TRG	SEP1989BR1622D	MAGNESIUM	1660	UG/G			1230		RFME	25-MAY-89
P209189	TRG	SEP1989BR0309	MAGNESIUM	2270	UG/G			1150		RFME	25-MAY-89
P209189	TRG	SEP1989BR1016	MAGNESIUM	1150	UG/G		U	1150		RFME	25-MAY-89
P209189	TRG	SEP1989BR1622	MAGNESIUM	1650	UG/G			1210		RFME	25-MAY-89
P209189	TRG	GSEP19890989001	MAGNESIUM	13.00	MG/L			5000		RFMS	27-SEP-89
P209189	TRG	GSEP19890989001D	MAGNESIUM	13.00	MG/L			5000		RFMS	27-SEP-89
P209289	TRG	SEP20891418	MAGNESIUM	1360	UG/G			V 90.8	A	RFME	08-JUN-89
P209289	TRG	SEP20890003	MAGNESIUM	1990	UG/G			V 109	A	RFME	08-JUN-89
P209289	TRG	SEP20890309	MAGNESIUM	1320	UG/G			V 113	A	RFME	08-JUN-89
P209289	TRG	SEP20890912	MAGNESIUM	1920	UG/G			V 1150	A	RFME	08-JUN-89
P209389	TRG	SEP2189BR2026	MAGNESIUM	1150	UG/G			V 79.2	A	RFME	07-JUN-89
P209389	TRG	SEP2189BR2026D	MAGNESIUM	1540	UG/G			V 97.2	A	RFME	07-JUN-89
P209389	TRG	SEP2189BR0309	MAGNESIUM	1650	UG/G			V 1050	A	RFME	07-JUN-89
P209389	TRG	SEP2189BR0912	MAGNESIUM	3310	UG/G			V 1110	A	RFME	07-JUN-89
P209389	TRG	SEP2189BR1420	MAGNESIUM	923	UG/G			V 106	A	RFME	07-JUN-89
P209389	TRG	GSEP21890989001	MAGNESIUM	12.50	MG/L			5000		RFMS	18-SEP-89
P209489	TRG	SEP2289BR1416	MAGNESIUM	1100	UG/G		U	A 1100	A	RFME	16-MAY-89
P209489	TRG	SEP2289BR1621	MAGNESIUM	1130	UG/G		U	A 1130	A	RFME	16-MAY-89
P209489	TRG	SEP2289BR0307	MAGNESIUM	1470	UG/G			A 1060	A	RFME	16-MAY-89
P209489	TRG	SEP2289BR0912	MAGNESIUM	2000	UG/G			A 1140	A	RFME	16-MAY-89
P209489	TRG	SEP2289BR1213	MAGNESIUM	1100	UG/G		U	A 1100	A	RFME	16-MAY-89
P209589	TRG	SEP2389BR0410	MAGNESIUM	1500	UG/G			V 1160	A	RFME	10-MAY-89
P209589	TRG	SEP2389BR1015	MAGNESIUM	2170	UG/G			V 1130	A	RFME	10-MAY-89
P209589	TRG	SEP2389BR0004	MAGNESIUM	1600	UG/G			V 1250	A	RFME	10-MAY-89
P209689	TRG	SEP2489BR0612	MAGNESIUM	3020	UG/G			A 1160	A	RFME	03-MAY-89
P209689	TRG	SEP2489BR1218	MAGNESIUM	3580	UG/G			A 1190	A	RFME	03-MAY-89
P209689	TRG	SEP2489BR1824	MAGNESIUM	3320	UG/G			A 1220	A	RFME	03-MAY-89
P209789	TRG	SEP25890608	MAGNESIUM	1940	UG/G			1100		RFME	04-MAY-89
P209789	TRG	SEP25891216	MAGNESIUM	3260	UG/G			1250		RFME	04-MAY-89
P209789	TRG	SEP25890006	MAGNESIUM	1800	UG/G			1120		RFME	04-MAY-89
P209789	TRG	GSEP25890989001	MAGNESIUM	27.30	MG/L			5000		RFMS	13-SEP-89
P209789	TRG	GSEP25890989001D	MAGNESIUM	27.00	MG/L			5000		RFMS	13-SEP-89
P209889	TRG	SEP2689BR0410D	MAGNESIUM	2520	UG/G			V 1250	A	RFME	11-MAY-89

Location ID		Proj_Sample_No	Chemical	Result	Unit	Err	Qual.	D.Lmt	VA	Group	Smpl Date
P209889	TRG	SEP2689BR1016	MAGNESIUM	2120	UG/G			V 1150	A	RFME	11-MAY-89
P209889	TRG	SEP2689BR0004	MAGNESIUM	3320	UG/G			V 1180	A	RFME	11-MAY-89
P209889	TRG	SEP2689BR0410	MAGNESIUM	2410	UG/G			V 1220	A	RFME	11-MAY-89
P210189	TRG	SEP3089BR0309	MAGNESIUM	3010	UG/G			V 1100	A	RFME	19-MAY-89
P210189	TRG	SEP3089BR0915	MAGNESIUM	1000	UG/G			V 928	A	RFME	19-MAY-89
P210189	TRG	SEP3089BR2127	MAGNESIUM	2080	UG/G			V 1070	A	RFME	19-MAY-89
P210189	TRG	SEP3089BR1521	MAGNESIUM	2370	UG/G			V 1140	A	RFME	19-MAY-89
P210189	TRG	GSEP30890989001	MAGNESIUM	19.20	MG/L			5000		RFMS	28-SEP-89
P210289	TRG	SEP3189BR0306	MAGNESIUM	1720	UG/G			V 1150	A	RFME	15-MAY-89
P210289	TRG	SEP3189BR1319	MAGNESIUM	2870	UG/G			V 1210	A	RFME	15-MAY-89
P210289	TRG	SEP3189BR0713	MAGNESIUM	3590	UG/G			V 1180	A	RFME	15-MAY-89
P210289	TRG	GSEP31890989001	MAGNESIUM	158.00	MG/L			5000		RFMS	25-SEP-89
P207389	TRG	SEP0189BR0307	MANGANESE	21.4	UG/G			2.9		RFME	05-JUN-89
P207389	TRG	SEP0189BR1319	MANGANESE	81.6	UG/G			A 3.4	A	RFME	05-JUN-89
P207389	TRG	SEP0189BR0713	MANGANESE	36.1	UG/G			A 3.5	A	RFME	05-JUN-89
P207389	TRG	GSEP01890989001	MANGANESE	.0150	MG/L		U	15.0		RFMS	21-SEP-89
P207489	TRG	SEP02890610	MANGANESE	16.2	UG/G			A 2.8	A	RFME	06-JUN-89
P207489	TRG	SEP02890003	MANGANESE	44.2	UG/G			A 3.3	A	RFME	06-JUN-89
P207489	TRG	SEP02890306	MANGANESE	163	UG/G			A 2.9	A	RFME	06-JUN-89
P207489	TRG	GSEP02890989001	MANGANESE	.187	MG/L			15.0		RFMS	20-SEP-89
P207589	TRG	SEP0389BR0915	MANGANESE	174	UG/G			A 3.8	A	RFME	18-MAY-89
P207589	TRG	SEP0389BR1521	MANGANESE	27.8	UG/G			A 3.5	A	RFME	18-MAY-89
P207589	TRG	SEP0389BR0309	MANGANESE	43.6	UG/G			A 3.4	A	RFME	18-MAY-89
P207689	TRG	SEP04890006D	MANGANESE	101	UG/G			A 3.4	A	RFME	05-MAY-89
P207689	TRG	SEP04891215	MANGANESE	62.0	UG/G			A 3.6	A	RFME	05-MAY-89
P207689	TRG	SEP04890612	MANGANESE	36.6	UG/G			A 3.7	A	RFME	05-MAY-89
P207689	TRG	GSEP04890989001	MANGANESE	.0295	MG/L			A 15.0	A	RFMS	14-SEP-89
P207789	TRG	SEP0589BR1824	MANGANESE	32.8	UG/G			A 3.5	A	RFME	05-MAY-89
P207789	TRG	SEP0589BR0006	MANGANESE	159	UG/G			A 3.5	A	RFME	05-MAY-89
P207789	TRG	SEP0589BR1318	MANGANESE	83.0	UG/G			A 3.7	A	RFME	05-MAY-89
P207789	TRG	SEP0589BR0613	MANGANESE	116	UG/G			A 3.4	A	RFME	05-MAY-89
P207889	TRG	SEP06890306	MANGANESE	64.5	UG/G			A 3.6	A	RFME	01-MAY-89
P207889	TRG	SEP06890306D	MANGANESE	37.8	UG/G			A 3.6	A	RFME	01-MAY-89
P207889	TRG	SEP06890003	MANGANESE	91.8	UG/G			A 3.9	A	RFME	01-MAY-89
P207889	TRG	GSEP06890989001	MANGANESE	.0150	MG/L		U	A 15.0	A	RFMS	15-SEP-89
P207989	TRG	SEP0789BR0003	MANGANESE	168	UG/G			A 3.1	A	RFME	02-MAY-89
P207989	TRG	SEP0789BR0612	MANGANESE	165	UG/G			A 3.7	A	RFME	02-MAY-89
P207989	TRG	SEP0789BR1218	MANGANESE	168	UG/G			A 3.5	A	RFME	02-MAY-89
P207989	TRG	SEP0789BR0306	MANGANESE	192	UG/G			A 3.5	A	RFME	02-MAY-89
P208889	TRG	SEP1689BR0410	MANGANESE	44.8	UG/G			A 3.5	A	RFME	09-MAY-89
P208889	TRG	SEP1689BR1016	MANGANESE	192	UG/G			A 3.4	A	RFME	09-MAY-89
P208889	TRG	GSEP16890989001	MANGANESE	.0150	MG/L		U	15.0		RFMS	17-OCT-89
P208989	TRG	SEP1789BR0309	MANGANESE	636	UG/G			V 3.7	A	RFME	12-MAY-89
P208989	TRG	SEP1789BR0915	MANGANESE	47.3	UG/G			V 3.5	A	RFME	12-MAY-89
P208989	TRG	SEP1789BR0003	MANGANESE	192	UG/G			V 3.3	A	RFME	12-MAY-89
P209089	TRG	SEP1889BR0309	MANGANESE	269	UG/G			A 3.7	A	RFME	17-MAY-89
P209089	TRG	SEP1889BR1824	MANGANESE	89.1	UG/G			V 3.5	A	RFME	17-MAY-89
P209089	TRG	SEP1889BR1218D	MANGANESE	52.7	UG/G			V 3.6	A	RFME	17-MAY-89
P209089	TRG	SEP1889BR1218	MANGANESE	140	UG/G			V 3.6	A	RFME	17-MAY-89
P209189	TRG	SEP1989BR1622D	MANGANESE	228	UG/G			3.7		RFME	25-MAY-89
P209189	TRG	SEP1989BR0309	MANGANESE	80.2	UG/G			3.5		RFME	25-MAY-89
P209189	TRG	SEP1989BR1016	MANGANESE	50.4	UG/G			3.5		RFME	25-MAY-89
P209189	TRG	SEP1989BR1622	MANGANESE	277	UG/G			3.6		RFME	25-MAY-89
P209189	TRG	GSEP19890989001	MANGANESE	.100	MG/L			15.0		RFMS	27-SEP-89
P209189	TRG	GSEP19890989001D	MANGANESE	.0977	MG/L			15.0		RFMS	27-SEP-89
P209289	TRG	SEP20890003	MANGANESE	249	UG/G			V 3.3	A	RFME	08-JUN-89
P209289	TRG	SEP20890912	MANGANESE	238	UG/G			V 3.4	A	RFME	08-JUN-89
P209289	TRG	SEP20890309	MANGANESE	456	UG/G			V 3.4	A	RFME	08-JUN-89

Location ID		Proj_Sample_No	Chemical	Result	Unit	Err	Qual.	D.Lmt	VA	Group	Smpl Date
P209289	TRG	SEP20891418	MANGANESE	198	UG/G			A 2.7	A	RFME	08-JUN-89
P209389	TRG	SEP2189BR2026	MANGANESE	228	UG/G			V 2.4	A	RFME	07-JUN-89
P209389	TRG	SEP2189BR2026D	MANGANESE	140	UG/G			V 2.9	A	RFME	07-JUN-89
P209389	TRG	SEP2189BR0309	MANGANESE	227	UG/G			A 3.2	A	RFME	07-JUN-89
P209389	TRG	SEP2189BR0912	MANGANESE	75.9	UG/G			V 3.3	A	RFME	07-JUN-89
P209389	TRG	SEP2189BR1420	MANGANESE	259	UG/G			V 3.2	A	RFME	07-JUN-89
P209389	TRG	GSEP21890989001	MANGANESE	.0192	MG/L			15.0		RFMS	18-SEP-89
P209489	TRG	SEP2289BR1416	MANGANESE	92.5	UG/G			A 3.3	A	RFME	16-MAY-89
P209489	TRG	SEP2289BR1621	MANGANESE	73.2	UG/G			A 3.4	A	RFME	16-MAY-89
P209489	TRG	SEP2289BR0307	MANGANESE	116	UG/G			A 3.2	A	RFME	16-MAY-89
P209489	TRG	SEP2289BR0912	MANGANESE	29.4	UG/G			A 3.4	A	RFME	16-MAY-89
P209489	TRG	SEP2289BR1213	MANGANESE	198	UG/G			A 3.3	A	RFME	16-MAY-89
P209589	TRG	SEP2389BR0410	MANGANESE	106	UG/G			A 3.5	A	RFME	10-MAY-89
P209589	TRG	SEP2389BR1015	MANGANESE	74.0	UG/G			A 3.4	A	RFME	10-MAY-89
P209589	TRG	SEP2389BR0004	MANGANESE	189	UG/G			A 3.8	A	RFME	10-MAY-89
P209689	TRG	SEP2489BR0612	MANGANESE	125	UG/G			A 3.5	A	RFME	03-MAY-89
P209689	TRG	SEP2489BR1824	MANGANESE	46.0	UG/G			A 3.7	A	RFME	03-MAY-89
P209689	TRG	SEP2489BR1218	MANGANESE	1620	UG/G			A 3.6	A	RFME	03-MAY-89
P209789	TRG	SEP25890608	MANGANESE	45.3	UG/G			3.3		RFME	04-MAY-89
P209789	TRG	SEP25891216	MANGANESE	67.2	UG/G			3.7		RFME	04-MAY-89
P209789	TRG	SEP25890006	MANGANESE	80.6	UG/G			3.4		RFME	04-MAY-89
P209789	TRG	GSEP25890989001	MANGANESE	.0150	MG/L		U	15.0		RFMS	13-SEP-89
P209789	TRG	GSEP25890989001D	MANGANESE	.0150	MG/L		U	15.0		RFMS	13-SEP-89
P209889	TRG	SEP2689BR0410D	MANGANESE	113	UG/G	-		V 3.8	A	RFME	11-MAY-89
P209889	TRG	SEP2689BR1016	MANGANESE	232	UG/G			V 3.4	A	RFME	11-MAY-89
P209889	TRG	SEP2689BR0004	MANGANESE	192	UG/G			V 3.5	A	RFME	11-MAY-89
[illegible]889	TRG	SEP2689BR0410	MANGANESE	68.3	UG/G			V 3.6	A	RFME	11-MAY-89
[illegible]189	TRG	SEP3089BR0309	MANGANESE	70.7	UG/G			A 3.3	A	RFME	19-MAY-89
P210189	TRG	SEP3089BR0915	MANGANESE	33.1	UG/G			A 2.8	A	RFME	19-MAY-89
P210189	TRG	SEP3089BR2127	MANGANESE	383	UG/G			A 3.2	A	RFME	19-MAY-89
P210189	TRG	SEP3089BR1521	MANGANESE	533	UG/G			A 3.4	A	RFME	19-MAY-89
P210189	TRG	GSEP30890989001	MANGANESE	.0972	MG/L			15.0		RFMS	28-SEP-89
P210289	TRG	SEP3189BR0306	MANGANESE	226	UG/G			V 3.5	A	RFME	15-MAY-89
P210289	TRG	SEP3189BR0713	MANGANESE	57.8	UG/G			V 3.5	A	RFME	15-MAY-89
P210289	TRG	SEP3189BR1319	MANGANESE	75.4	UG/G			V 3.6	A	RFME	15-MAY-89
P210289	TRG	GSEP31890989001	MANGANESE	.266	MG/L			15.0		RFMS	25-SEP-89
P207389	TRG	SEP0189BR0307	MERCURY	0.11	UG/G		U	0.11		RFME	05-JUN-89
P207389	TRG	SEP0189BR0713	MERCURY	0.12	UG/G		U	V 0.12	A	RFME	05-JUN-89
P207389	TRG	SEP0189BR1319	MERCURY	0.12	UG/G		U	V 0.12	A	RFME	05-JUN-89
P207389	TRG	GSEP01890989001	MERCURY	.0002	MG/L		U	0.20		RFMS	21-SEP-89
P207489	TRG	SEP02890610	MERCURY	0.20	UG/G		U	V 0.20	A	RFME	06-JUN-89
P207489	TRG	SEP02890003	MERCURY	0.12	UG/G		U	V 0.12	A	RFME	06-JUN-89
P207489	TRG	SEP02890306	MERCURY	0.11	UG/G		U	V 0.11	A	RFME	06-JUN-89
P207489	TRG	GSEP02890989001	MERCURY	.0002	MG/L		U	0.20		RFMS	20-SEP-89
P207589	TRG	SEP0389BR0915	MERCURY	0.73	UG/G			A 0.10	A	RFME	18-MAY-89
P207589	TRG	SEP0389BR1521	MERCURY	1.1	UG/G			A 0.12	A	RFME	18-MAY-89
P207589	TRG	SEP0389BR0309	MERCURY	0.46	UG/G			R 0.11	A	RFME	18-MAY-89
P207689	TRG	SEP04890006D	MERCURY	0.12	UG/G			A 0.11	A	RFME	05-MAY-89
P207689	TRG	SEP04890612	MERCURY	0.12	UG/G		U	R 0.12	A	RFME	05-MAY-89
P207689	TRG	SEP04891215	MERCURY	0.12	UG/G		U	R 0.12	A	RFME	05-MAY-89
P207789	TRG	SEP0589BR1824	MERCURY	0.13	UG/G			A 0.12	A	RFME	05-MAY-89
P207789	TRG	SEP0589BR0006	MERCURY	0.18	UG/G			A 0.12	A	RFME	05-MAY-89
P207789	TRG	SEP0589BR1318	MERCURY	0.12	UG/G		U	R 0.12	A	RFME	05-MAY-89
P207789	TRG	SEP0589BR0613	MERCURY	0.11	UG/G		U	R 0.11	A	RFME	05-MAY-89
[illegible]889	TRG	SEP06890306	MERCURY	0.18	UG/G			A 0.12	A	RFME	01-MAY-89
[illegible]7889	TRG	SEP06890306D	MERCURY	0.12	UG/G			A 0.11	A	RFME	01-MAY-89
P207889	TRG	SEP06890003	MERCURY	0.37	UG/G			A 0.13	A	RFME	01-MAY-89
P207889	TRG	GSEP06890989001	MERCURY	.0002	MG/L		U	A 0.20	A	RFMS	15-SEP-89

Location ID		Proj_Sample_No	Chemical	Result	Unit	Err	Qual.		D.Lmt	VA	Group	Smpl Date
P207989	TRG	SEP0789BR0003	MERCURY	0.21	UG/G			A	0.11	A	RFME	02-MAY-89
P207989	TRG	SEP0789BR1218	MERCURY	0.24	UG/G			A	0.10	A	RFME	02-MAY-89
P207989	TRG	SEP0789BR0306	MERCURY	0.21	UG/G			A	0.10	A	RFME	02-MAY-89
P207989	TRG	SEP0789BR0612	MERCURY	0.25	UG/G			A	0.13	A	RFME	02-MAY-89
P208889	TRG	SEP1689BR0410	MERCURY	0.12	UG/G		U	R	0.12	A	RFME	09-MAY-89
P208889	TRG	SEP1689BR1016	MERCURY	0.11	UG/G		U	R	0.11	A	RFME	09-MAY-89
P208889	TRG	GSEP16890989001	MERCURY	.0002	MG/L		U		0.20		RFMS	17-OCT-89
P208989	TRG	SEP1789BR0309	MERCURY	0.12	UG/G		U	R	0.12	A	RFME	12-MAY-89
P208989	TRG	SEP1789BR0915	MERCURY	0.12	UG/G		U	R	0.12	A	RFME	12-MAY-89
P208989	TRG	SEP1789BR0003	MERCURY	0.12	UG/G		U	R	0.12	A	RFME	12-MAY-89
P209089	TRG	SEP1889BR0309	MERCURY	0.12	UG/G		U	R	0.12	A	RFME	17-MAY-89
P209089	TRG	SEP1889BR1218D	MERCURY	0.12	UG/G		U	R	0.12	A	RFME	17-MAY-89
P209089	TRG	SEP1889BR1824	MERCURY	0.24	UG/G			A	0.11	A	RFME	17-MAY-89
P209089	TRG	SEP1889BR1218	MERCURY	0.11	UG/G		U	R	0.11	A	RFME	17-MAY-89
P209189	TRG	SEP1989BR1622D	MERCURY	0.19	UG/G				0.11		RFME	25-MAY-89
P209189	TRG	SEP1989BR0309	MERCURY	0.10	UG/G				0.090		RFME	25-MAY-89
P209189	TRG	SEP1989BR1016	MERCURY	0.096	UG/G				0.084		RFME	25-MAY-89
P209189	TRG	SEP1989BR1622	MERCURY	0.12	UG/G		U		0.12		RFME	25-MAY-89
P209189	TRG	GSEP19890989001	MERCURY	.0002	MG/L		U		0.20		RFMS	27-SEP-89
P209189	TRG	GSEP19890989001D	MERCURY	.0002	MG/L		U		0.20		RFMS	27-SEP-89
P209289	TRG	SEP20890003	MERCURY	0.12	UG/G		U	V	0.12	A	RFME	08-JUN-89
P209289	TRG	SEP20890912	MERCURY	0.13	UG/G		U	V	0.13	A	RFME	08-JUN-89
P209289	TRG	SEP20891418	MERCURY	0.12	UG/G		U	V	0.12	A	RFME	08-JUN-89
P209289	TRG	SEP20890309	MERCURY	0.12	UG/G		U	V	0.12	A	RFME	08-JUN-89
P209389	TRG	SEP2189BR2026	MERCURY	0.11	UG/G		U	V	0.11	A	RFME	07-JUN-89
P209389	TRG	SEP2189BR2026D	MERCURY	0.11	UG/G		U	V	0.11	A	RFME	07-JUN-89
P209389	TRG	SEP2189BR0309	MERCURY	0.10	UG/G		U	V	0.10	A	RFME	07-JUN-89
P209389	TRG	SEP2189BR0912	MERCURY	0.11	UG/G		U	V	0.11	A	RFME	07-JUN-89
P209389	TRG	SEP2189BR1420	MERCURY	0.11	UG/G		U	V	0.11	A	RFME	07-JUN-89
P209389	TRG	GSEP21890989001	MERCURY	.0002	MG/L		U		0.20		RFMS	18-SEP-89
P209489	TRG	SEP2289BR1416	MERCURY	0.10	UG/G		U	R	0.10	A	RFME	16-MAY-89
P209489	TRG	SEP2289BR1621	MERCURY	0.11	UG/G		U	R	0.11	A	RFME	16-MAY-89
P209489	TRG	SEP2289BR0307	MERCURY	0.10	UG/G		U	R	0.10	A	RFME	16-MAY-89
P209489	TRG	SEP2289BR0912	MERCURY	0.11	UG/G		U	R	0.11	A	RFME	16-MAY-89
P209489	TRG	SEP2289BR1213	MERCURY	0.10	UG/G		U	R	0.10	A	RFME	16-MAY-89
P209589	TRG	SEP2389BR0410	MERCURY	0.12	UG/G		U	R	0.12	A	RFME	10-MAY-89
P209589	TRG	SEP2389BR1015	MERCURY	0.12	UG/G		U	R	0.12	A	RFME	10-MAY-89
P209589	TRG	SEP2389BR0004	MERCURY	0.12	UG/G		U	R	0.12	A	RFME	10-MAY-89
P209689	TRG	SEP2489BR0612	MERCURY	0.12	UG/G		U	R	0.12	A	RFME	03-MAY-89
P209689	TRG	SEP2489BR1218	MERCURY	0.44	UG/G			A	0.12	A	RFME	03-MAY-89
P209689	TRG	SEP2489BR1824	MERCURY	0.12	UG/G			A	0.11	A	RFME	03-MAY-89
P209789	TRG	SEP25890608	MERCURY	0.30	UG/G				0.10		RFME	04-MAY-89
P209789	TRG	SEP25891216	MERCURY	0.10	UG/G		U		0.10		RFME	04-MAY-89
P209789	TRG	SEP25890006	MERCURY	0.32	UG/G				0.11		RFME	04-MAY-89
P209789	TRG	GSEP25890989001	MERCURY	.0002	MG/L		U		0.20		RFMS	13-SEP-89
P209789	TRG	GSEP25890989001D	MERCURY	.0002	MG/L		U		0.20		RFMS	13-SEP-89
P209889	TRG	SEP2689BR0410D	MERCURY	0.12	UG/G		U	R	0.12	A	RFME	11-MAY-89
P209889	TRG	SEP2689BR1016	MERCURY	0.12	UG/G		U	R	0.12	A	RFME	11-MAY-89
P209889	TRG	SEP2689BR0004	MERCURY	0.20	UG/G		U	R	0.20	A	RFME	11-MAY-89
P209889	TRG	SEP2689BR0410	MERCURY	0.20	UG/G		U	R	0.20	A	RFME	11-MAY-89
P210189	TRG	SEP3089BR0309	MERCURY	0.11	UG/G		U	V	0.11	A	RFME	19-MAY-89
P210189	TRG	SEP3089BR2127	MERCURY	0.12	UG/G		U	V	0.12	A	RFME	19-MAY-89
P210189	TRG	SEP3089BR1521	MERCURY	0.13	UG/G		U	V	0.13	A	RFME	19-MAY-89
P210189	TRG	SEP3089BR0915	MERCURY	0.11	UG/G		U	V	0.11	A	RFME	19-MAY-89
P210189	TRG	GSEP30890989001	MERCURY	.0002	MG/L		U		0.20		RFMS	28-SEP-89
P210289	TRG	SEP3189BR0306	MERCURY	0.17	UG/G			A	0.11	A	RFME	15-MAY-89
P210289	TRG	SEP3189BR1319	MERCURY	0.12	UG/G		U	R	0.12	A	RFME	15-MAY-89
P210289	TRG	SEP3189BR0713	MERCURY	0.11	UG/G		U	R	0.11	A	RFME	15-MAY-89

Location ID		Proj_Sample_No	Chemical	Result	Unit	Err	Qual.	D.Lmt	VA	Group	Smpl Date
[illegible]10289	TRG	GSEP31890989001	MERCURY	.0002	MG/L		U	0.20		RFMS	25-SEP-89
P207389	TRG	SEP0189BR0307	MOLYBDENUM	19.4	UG/G		U	19.4		RFME	05-JUN-89
P207389	TRG	SEP0189BR1319	MOLYBDENUM	22.7	UG/G		U	V 22.7	A	RFME	05-JUN-89
P207389	TRG	SEP0189BR0713	MOLYBDENUM	23.5	UG/G		U	V 23.5	A	RFME	05-JUN-89
P207389	TRG	GSEP01890989001	MOLYBDENUM	.100	MG/L		U	100		RFMS	21-SEP-89
P207489	TRG	SEP02890003	MOLYBDENUM	21.7	UG/G		U	R 21.7	A	RFME	06-JUN-89
P207489	TRG	SEP02890306	MOLYBDENUM	37.0	UG/G			A 19.2	A	RFME	06-JUN-89
P207489	TRG	SEP02890610	MOLYBDENUM	18.4	UG/G		U	R 18.4	A	RFME	06-JUN-89
P207489	TRG	GSEP02890989001	MOLYBDENUM	.100	MG/L		U	100		RFMS	20-SEP-89
P207589	TRG	SEP0389BR0915	MOLYBDENUM	2.8	UG/G			V 2.5	A	RFME	18-MAY-89
P207589	TRG	SEP0389BR1521	MOLYBDENUM	5.7	UG/G			V 2.3	A	RFME	18-MAY-89
P207589	TRG	SEP0389BR0309	MOLYBDENUM	7.7	UG/G			V 2.3	A	RFME	18-MAY-89
P207689	TRG	SEP04890006D	MOLYBDENUM	7.3	UG/G			V 2.3	A	RFME	05-MAY-89
P207689	TRG	SEP04891215	MOLYBDENUM	5.9	UG/G			V 2.4	A	RFME	05-MAY-89
P207689	TRG	SEP04890612	MOLYBDENUM	5.9	UG/G			V 2.5	A	RFME	05-MAY-89
P207689	TRG	GSEP04890989001	MOLYBDENUM	.100	MG/L		U	A 100	A	RFMS	14-SEP-89
P207789	TRG	SEP0589BR0006	MOLYBDENUM	6.4	UG/G			V 2.3	A	RFME	05-MAY-89
P207789	TRG	SEP0589BR1318	MOLYBDENUM	8.7	UG/G			V 2.4	A	RFME	05-MAY-89
P207789	TRG	SEP0589BR1824	MOLYBDENUM	5.4	UG/G			V 2.3	A	RFME	05-MAY-89
P207789	TRG	SEP0589BR0613	MOLYBDENUM	6.2	UG/G			V 2.3	A	RFME	05-MAY-89
P207889	TRG	SEP06890306	MOLYBDENUM	7.1	UG/G			V 2.4	A	RFME	01-MAY-89
P207889	TRG	SEP06890306D	MOLYBDENUM	5.1	UG/G			V 2.4	A	RFME	01-MAY-89
P207889	TRG	SEP06890003	MOLYBDENUM	21.1	UG/G			V 2.6	A	RFME	01-MAY-89
P207889	TRG	GSEP06890989001	MOLYBDENUM	.100	MG/L		U	A 100	A	RFMS	15-SEP-89
P207989	TRG	SEP0789BR0306	MOLYBDENUM	10.4	UG/G			V 2.3	A	RFME	02-MAY-89
P207989	TRG	SEP0789BR1218	MOLYBDENUM	8.1	UG/G			V 2.4	A	RFME	02-MAY-89
[illegible]207989	TRG	SEP0789BR0612	MOLYBDENUM	7.9	UG/G			V 2.5	A	RFME	02-MAY-89
[illegible]7989	TRG	SEP0789BR0003	MOLYBDENUM	6.9	UG/G			V 2.1	A	RFME	02-MAY-89
[illegible]08889	TRG	SEP1689BR0410	MOLYBDENUM	2.5	UG/G			V 2.4	A	RFME	09-MAY-89
P208889	TRG	SEP1689BR1016	MOLYBDENUM	2.3	UG/G		U	V 2.3	A	RFME	09-MAY-89
P208889	TRG	GSEP16890989001	MOLYBDENUM	.100	MG/L		U	100		RFMS	17-OCT-89
P208989	TRG	SEP1789BR0309	MOLYBDENUM	2.5	UG/G		U	V 2.5	A	RFME	12-MAY-89
P208989	TRG	SEP1789BR0915	MOLYBDENUM	2.3	UG/G		U	V 2.3	A	RFME	12-MAY-89
P208989	TRG	SEP1789BR0003	MOLYBDENUM	2.2	UG/G		U	V 2.2	A	RFME	12-MAY-89
P209089	TRG	SEP1889BR0309	MOLYBDENUM	4.8	UG/G			V 2.5	A	RFME	17-MAY-89
P209089	TRG	SEP1889BR1824	MOLYBDENUM	2.3	UG/G		U	V 2.3	A	RFME	17-MAY-89
P209089	TRG	SEP1889BR1218D	MOLYBDENUM	2.4	UG/G		U	V 2.4	A	RFME	17-MAY-89
P209089	TRG	SEP1889BR1218	MOLYBDENUM	2.4	UG/G		U	V 2.4	A	RFME	17-MAY-89
P209189	TRG	SEP1989BR0309	MOLYBDENUM	14.2	UG/G			2.3		RFME	25-MAY-89
P209189	TRG	SEP1989BR1622D	MOLYBDENUM	5.7	UG/G			2.5		RFME	25-MAY-89
P209189	TRG	SEP1989BR1016	MOLYBDENUM	5.8	UG/G			2.3		RFME	25-MAY-89
P209189	TRG	SEP1989BR1622	MOLYBDENUM	6.3	UG/G			2.4		RFME	25-MAY-89
P209189	TRG	GSEP19890989001	MOLYBDENUM	.100	MG/L		U	100		RFMS	27-SEP-89
P209189	TRG	GSEP19890989001D	MOLYBDENUM	.100	MG/L		U	100		RFMS	27-SEP-89
P209289	TRG	SEP20890003	MOLYBDENUM	21.8	UG/G		U	R 21.8	A	RFME	08-JUN-89
P209289	TRG	SEP20890912	MOLYBDENUM	23.0	UG/G		U	R 23.0	A	RFME	08-JUN-89
P209289	TRG	SEP20890309	MOLYBDENUM	22.6	UG/G		U	R 22.6	A	RFME	08-JUN-89
P209289	TRG	SEP20891418	MOLYBDENUM	18.2	UG/G		U	R 18.2	A	RFME	08-JUN-89
P209389	TRG	SEP2189BR2026	MOLYBDENUM	15.8	UG/G		U	R 15.8	A	RFME	07-JUN-89
P209389	TRG	SEP2189BR2026D	MOLYBDENUM	19.4	UG/G		U	R 19.4	A	RFME	07-JUN-89
P209389	TRG	SEP2189BR0309	MOLYBDENUM	21.0	UG/G		U	R 21.0	A	RFME	07-JUN-89
P209389	TRG	SEP2189BR1420	MOLYBDENUM	21.2	UG/G		U	R 21.2	A	RFME	07-JUN-89
P209389	TRG	SEP2189BR0912	MOLYBDENUM	22.2	UG/G		U	R 22.2	A	RFME	07-JUN-89
P209389	TRG	GSEP21890989001	MOLYBDENUM	.100	MG/L		U	100		RFMS	18-SEP-89
[illegible]9489	TRG	SEP2289BR1621	MOLYBDENUM	2.3	UG/G		U	R 2.3	A	RFME	16-MAY-89
[illegible]9489	TRG	SEP2289BR0307	MOLYBDENUM	2.1	UG/G		U	R 2.1	A	RFME	16-MAY-89
P209489	TRG	SEP2289BR0912	MOLYBDENUM	2.3	UG/G		U	R 2.3	A	RFME	16-MAY-89
P209489	TRG	SEP2289BR1416	MOLYBDENUM	2.2	UG/G		U	R 2.2	A	RFME	16-MAY-89

Location ID		Proj_Sample_No	Chemical	Result	Unit	Err	Qual.	D.Lmt	VA	Group	Smpl Date
P209489	TRG	SEP2289BR1213	MOLYBDENUM	2.2	UG/G		U	R 2.2	A	RFME	16-MAY-89
P209589	TRG	SEP2389BR0410	MOLYBDENUM	2.3	UG/G		U	V 2.3	A	RFME	10-MAY-89
P209589	TRG	SEP2389BR1015	MOLYBDENUM	2.3	UG/G		U	V 2.3	A	RFME	10-MAY-89
P209589	TRG	SEP2389BR0004	MOLYBDENUM	5.4	UG/G			V 2.5	A	RFME	10-MAY-89
P209689	TRG	SEP2489BR0612	MOLYBDENUM	8.9	UG/G			V 2.3	A	RFME	03-MAY-89
P209689	TRG	SEP2489BR1824	MOLYBDENUM	9.0	UG/G			V 2.4	A	RFME	03-MAY-89
P209689	TRG	SEP2489BR1218	MOLYBDENUM	7.8	UG/G			V 2.4	A	RFME	03-MAY-89
P209789	TRG	SEP25891216	MOLYBDENUM	6.2	UG/G			2.5		RFME	04-MAY-89
P209789	TRG	SEP25890006	MOLYBDENUM	7.0	UG/G			2.2		RFME	04-MAY-89
P209789	TRG	SEP25890608	MOLYBDENUM	4.4	UG/G			2.2		RFME	04-MAY-89
P209789	TRG	GSEP25890989001	MOLYBDENUM	.100	MG/L		U	100		RFMS	13-SEP-89
P209789	TRG	GSEP25890989001D	MOLYBDENUM	.100	MG/L		U	100		RFMS	13-SEP-89
P209889	TRG	SEP2689BR0410D	MOLYBDENUM	3.7	UG/G			V 2.5	A	RFME	11-MAY-89
P209889	TRG	SEP2689BR1016	MOLYBDENUM	2.3	UG/G		U	V 2.3	A	RFME	11-MAY-89
P209889	TRG	SEP2689BR0004	MOLYBDENUM	3.1	UG/G			V 2.4	A	RFME	11-MAY-89
P209889	TRG	SEP2689BR0410	MOLYBDENUM	2.4	UG/G		U	V 2.4	A	RFME	11-MAY-89
P210189	TRG	SEP3089BR0309	MOLYBDENUM	21.9	UG/G		U	V 21.9	A	RFME	19-MAY-89
P210189	TRG	SEP3089BR2127	MOLYBDENUM	21.4	UG/G		U	V 21.4	A	RFME	19-MAY-89
P210189	TRG	SEP3089BR1521	MOLYBDENUM	22.8	UG/G		U	V 22.8	A	RFME	19-MAY-89
P210189	TRG	SEP3089BR0915	MOLYBDENUM	18.6	UG/G		U	V 18.6	A	RFME	19-MAY-89
P210189	TRG	GSEP30890989001	MOLYBDENUM	.100	MG/L		U	100		RFMS	28-SEP-89
P210289	TRG	SEP3189BR0306	MOLYBDENUM	11.3	UG/G			V 2.3	A	RFME	15-MAY-89
P210289	TRG	SEP3189BR1319	MOLYBDENUM	4.5	UG/G			V 2.4	A	RFME	15-MAY-89
P210289	TRG	SEP3189BR0713	MOLYBDENUM	3.8	UG/G			V 2.4	A	RFME	15-MAY-89
P210289	TRG	GSEP31890989001	MOLYBDENUM	.100	MG/L		U	100		RFMS	25-SEP-89
P207389	TRG	SEP0189BR0307	NICKEL	7.8	UG/G		U	7.8		RFME	05-JUN-89
[illegible]7389	TRG	SEP0189BR0713	NICKEL	9.4	UG/G		U	V 9.4	A	RFME	05-JUN-89
[illegible]389	TRG	SEP0189BR1319	NICKEL	12.5	UG/G			V 9.1	A	RFME	05-JUN-89
P207389	TRG	GSEP01890989001	NICKEL	.0400	MG/L		U	40.0		RFMS	21-SEP-89
P207489	TRG	SEP02890003	NICKEL	8.7	UG/G			V 8.7	A	RFME	06-JUN-89
P207489	TRG	SEP02890306	NICKEL	37.5	UG/G			V 7.7	A	RFME	06-JUN-89
P207489	TRG	SEP02890610	NICKEL	7.3	UG/G		U	V 7.3	A	RFME	06-JUN-89
P207489	TRG	GSEP02890989001	NICKEL	.0400	MG/L		U	40.0		RFMS	20-SEP-89
P207589	TRG	SEP0389BR0915	NICKEL	42.5	UG/G			A 10.0	A	RFME	18-MAY-89
P207589	TRG	SEP0389BR1521	NICKEL	14.8	UG/G			A 9.3	A	RFME	18-MAY-89
P207589	TRG	SEP0389BR0309	NICKEL	9.2	UG/G		U	A 9.2	A	RFME	18-MAY-89
P207689	TRG	SEP048900060	NICKEL	9.2	UG/G		U	R 9.2	A	RFME	05-MAY-89
P207689	TRG	SEP04890612	NICKEL	9.8	UG/G		U	R 9.8	A	RFME	05-MAY-89
P207689	TRG	SEP04891215	NICKEL	9.5	UG/G		U	R 9.5	A	RFME	05-MAY-89
P207689	TRG	GSEP04890989001	NICKEL	.0400	MG/L		U	A 40.0	A	RFMS	14-SEP-89
P207789	TRG	SEP0589BR0006	NICKEL	9.3	UG/G		U	R 9.3	A	RFME	05-MAY-89
P207789	TRG	SEP0589BR1318	NICKEL	9.8	UG/G		U	R 9.8	A	RFME	05-MAY-89
P207789	TRG	SEP0589BR1824	NICKEL	9.3	UG/G		U	R 9.3	A	RFME	05-MAY-89
P207789	TRG	SEP0589BR0613	NICKEL	9.1	UG/G		U	R 9.1	A	RFME	05-MAY-89
P207889	TRG	SEP06890306	NICKEL	12.8	UG/G			A 9.5	A	RFME	01-MAY-89
P207889	TRG	SEP068903060	NICKEL	9.6	UG/G		U	A 9.6	A	RFME	01-MAY-89
P207889	TRG	SEP06890003	NICKEL	41.7	UG/G			A 10.3	A	RFME	01-MAY-89
P207889	TRG	GSEP06890989001	NICKEL	.0400	MG/L		U	V 40.0	A	RFMS	15-SEP-89
P207989	TRG	SEP0789BR0306	NICKEL	10.2	UG/G			A 9.2	A	RFME	02-MAY-89
P207989	TRG	SEP0789BR0612	NICKEL	23.0	UG/G			A 10	A	RFME	02-MAY-89
P207989	TRG	SEP0789BR1218	NICKEL	9.4	UG/G		U	A 9.4	A	RFME	02-MAY-89
P207989	TRG	SEP0789BR0003	NICKEL	8.3	UG/G		U	R 8.3	A	RFME	02-MAY-89
P208889	TRG	SEP1689BR0410	NICKEL	9.4	UG/G		U	R 9.4	A	RFME	09-MAY-89
P208889	TRG	SEP1689BR1016	NICKEL	9.1	UG/G		U	R 9.1	A	RFME	09-MAY-89
[illegible]8889	TRG	GSEP16890989001	NICKEL	.0400	MG/L		U	40.0		RFMS	17-OCT-89
[illegible]8989	TRG	SEP1789BR0309	NICKEL	14.8	UG/G			A 9.9	A	RFME	12-MAY-89
P208989	TRG	SEP1789BR0915	NICKEL	9.4	UG/G		U	A 9.4	A	RFME	12-MAY-89
P208989	TRG	SEP1789BR0003	NICKEL	21.1	UG/G			A 8.9	A	RFME	12-MAY-89

Location ID		Proj_Sample_No	Chemical	Result	Unit	Err	Qual.		D.Lmt	VA	Group	Smpl Date
P209089	TRG	SEP1889BR0309	NICKEL	35.7	UG/G			A	9.9	A	RFME	17-MAY-89
P209089	TRG	SEP1889BR1824	NICKEL	9.2	UG/G		U	A	9.2	A	RFME	17-MAY-89
P209089	TRG	SEP1889BR1218D	NICKEL	10.9	UG/G			A	9.6	A	RFME	17-MAY-89
P209089	TRG	SEP1889BR1218	NICKEL	13.1	UG/G			A	9.7	A	RFME	17-MAY-89
P209189	TRG	SEP1989BR1622D	NICKEL	13.9	UG/G				9.9		RFME	25-MAY-89
P209189	TRG	SEP1989BR0309	NICKEL	15.8	UG/G				9.2		RFME	25-MAY-89
P209189	TRG	SEP1989BR1016	NICKEL	9.2	UG/G		U		9.2		RFME	25-MAY-89
P209189	TRG	SEP1989BR1622	NICKEL	15.7	UG/G				9.7		RFME	25-MAY-89
P209189	TRG	GSEP19890989001	NICKEL	.0400	MG/L		U		40.0		RFMS	27-SEP-89
P209189	TRG	GSEP19890989001D	NICKEL	.0400	MG/L		U		40.0		RFMS	27-SEP-89
P209289	TRG	SEP20890003	NICKEL	16.7	UG/G			V	8.7	A	RFME	08-JUN-89
P209289	TRG	SEP20890309	NICKEL	12.9	UG/G			V	9.0	A	RFME	08-JUN-89
P209289	TRG	SEP20890912	NICKEL	11.7	UG/G			V	9.2	A	RFME	08-JUN-89
P209289	TRG	SEP20891418	NICKEL	33.5	UG/G			V	7.3	A	RFME	08-JUN-89
P209389	TRG	SEP2189BR2026D	NICKEL	13.4	UG/G			V	7.8	A	RFME	07-JUN-89
P209389	TRG	SEP2189BR0309	NICKEL	28.9	UG/G			V	8.4	A	RFME	07-JUN-89
P209389	TRG	SEP2189BR0912	NICKEL	8.9	UG/G		U	V	8.9	A	RFME	07-JUN-89
P209389	TRG	SEP2189BR1420	NICKEL	12.5	UG/G			V	8.5	A	RFME	07-JUN-89
P209389	TRG	SEP2189BR2026	NICKEL	12.4	UG/G			V	6.3	A	RFME	07-JUN-89
P209389	TRG	GSEP21890989001	NICKEL	.0400	MG/L		U		40.0		RFMS	18-SEP-89
P209489	TRG	SEP2289BR1621	NICKEL	9.0	UG/G		U	A	9.0	A	RFME	16-MAY-89
P209489	TRG	SEP2289BR0307	NICKEL	8.5	UG/G		U	A	8.5	A	RFME	16-MAY-89
P209489	TRG	SEP2289BR0912	NICKEL	9.2	UG/G		U	A	9.2	A	RFME	16-MAY-89
P209489	TRG	SEP2289BR1416	NICKEL	11.3	UG/G			A	8.8	A	RFME	16-MAY-89
P209489	TRG	SEP2289BR1213	NICKEL	6.2	UG/G			A	8.8	A	RFME	16-MAY-89
P209589	TRG	SEP2389BR0410	NICKEL	9.3	UG/G		U	R	9.3	A	RFME	10-MAY-89
P209589	TRG	SEP2389BR1015	NICKEL	9.1	UG/G		U	A	9.1	A	RFME	10-MAY-89
P209589	TRG	SEP2389BR0004	NICKEL	10.0	UG/G		U	A	10.0	A	RFME	10-MAY-89
P209689	TRG	SEP2489BR0612	NICKEL	9.3	UG/G		U	A	9.3	A	RFME	03-MAY-89
P209689	TRG	SEP2489BR1218	NICKEL	133	UG/G			A	9.6	A	RFME	03-MAY-89
P209689	TRG	SEP2489BR1824	NICKEL	9.8	UG/G		U	A	9.8	A	RFME	03-MAY-89
P209789	TRG	SEP25891216	NICKEL	10	UG/G		U		10		RFME	04-MAY-89
P209789	TRG	SEP25890006	NICKEL	8.9	UG/G		U		8.9		RFME	04-MAY-89
P209789	TRG	SEP25890608	NICKEL	8.8	UG/G		U		8.8		RFME	04-MAY-89
P209789	TRG	GSEP25890989001	NICKEL	.0400	MG/L		U		40.0		RFMS	13-SEP-89
P209789	TRG	GSEP25890989001D	NICKEL	.0400	MG/L		U		40.0		RFMS	13-SEP-89
P209889	TRG	SEP2689BR0410D	NICKEL	10.0	UG/G		U	R	10.0	A	RFME	11-MAY-89
P209889	TRG	SEP2689BR1016	NICKEL	9.2	UG/G		U	A	9.2	A	RFME	11-MAY-89
P209889	TRG	SEP2689BR0004	NICKEL	9.4	UG/G		U	A	9.4	A	RFME	11-MAY-89
P209889	TRG	SEP2689BR0410	NICKEL	9.7	UG/G		U	R	9.7	A	RFME	11-MAY-89
P210189	TRG	SEP3089BR0915	NICKEL	7.4	UG/G		U	V	7.4	A	RFME	19-MAY-89
P210189	TRG	SEP3089BR2127	NICKEL	21.7	UG/G			V	8.6	A	RFME	19-MAY-89
P210189	TRG	SEP3089BR1521	NICKEL	21.9	UG/G			V	9.1	A	RFME	19-MAY-89
P210189	TRG	SEP3089BR0309	NICKEL	17.6	UG/G			V	8.8	A	RFME	19-MAY-89
P210189	TRG	GSEP30890989001	NICKEL	.0400	MG/L		U		40.0		RFMS	28-SEP-89
P210289	TRG	SEP3189BR0306	NICKEL	10.5	UG/G			A	9.2	A	RFME	15-MAY-89
P210289	TRG	SEP3189BR1319	NICKEL	9.7	UG/G		U	A	9.7	A	RFME	15-MAY-89
P210289	TRG	SEP3189BR0713	NICKEL	9.5	UG/G		U	R	9.5	A	RFME	15-MAY-89
P210289	TRG	GSEP31890989001	NICKEL	.174	MG/L				40.0		RFMS	25-SEP-89
P207389	TRG	SEP0189BR0307	POTASSIUM	970	UG/G		U		970		RFME	05-JUN-89
P207389	TRG	SEP0189BR0713	POTASSIUM	1180	UG/G		U	R	1180	A	RFME	05-JUN-89
P207389	TRG	SEP0189BR1319	POTASSIUM	1130	UG/G		U	V	1130	A	RFME	05-JUN-89
P207389	TRG	GSEP01890989001	POTASSIUM	5.00	MG/L		U		5000		RFMS	21-SEP-89
P207489	TRG	SEP02890003	POTASSIUM	1080	UG/G		U	A	1080	A	RFME	06-JUN-89
P207489	TRG	SEP02890306	POTASSIUM	2540	UG/G			A	960	A	RFME	06-JUN-89
P207489	TRG	SEP02890610	POTASSIUM	918	UG/G		U	A	918	A	RFME	06-JUN-89
P207489	TRG	GSEP02890989001	POTASSIUM	5.00	MG/L		U		5000		RFMS	20-SEP-89
P207589	TRG	SEP0389BR1521	POTASSIUM	1170	UG/G		U	A	1170	A	RFME	18-MAY-89

Location	ID	Proj_Sample_No	Chemical	Result	Unit	Err	Qual.	D.Lmt	VA	Group	Smpl Date
[illegible]589	TRG	SEP0389BR0309	POTASSIUM	1150	UG/G		U	A 1150	A	RFME	18-MAY-89
P207589	TRG	SEP0389BR0915	POTASSIUM	1260	UG/G		U	A 1260	A	RFME	18-MAY-89
P207689	TRG	SEP048900060	POTASSIUM	1150	UG/G		U	A 1150	A	RFME	05-MAY-89
P207689	TRG	SEP04891215	POTASSIUM	1190	UG/G		U	A 1190	A	RFME	05-MAY-89
P207689	TRG	SEP04890612	POTASSIUM	1230	UG/G		U	A 1230	A	RFME	05-MAY-89
P207689	TRG	GSEP04890989001	POTASSIUM	5.00	MG/L		U	V 5000	A	RFMS	14-SEP-89
P207789	TRG	SEP0589BR0006	POTASSIUM	1320	UG/G			V 1170	A	RFME	05-MAY-89
P207789	TRG	SEP0589BR0613	POTASSIUM	1130	UG/G		U	V 1130	A	RFME	05-MAY-89
P207789	TRG	SEP0589BR1824	POTASSIUM	1170	UG/G		U	A 1170	A	RFME	05-MAY-89
P207789	TRG	SEP0589BR1318	POTASSIUM	1220	UG/G		U	A 1220	A	RFME	05-MAY-89
P207889	TRG	SEP06890306	POTASSIUM	1190	UG/G		U	A 1190	A	RFME	01-MAY-89
P207889	TRG	SEP06890306D	POTASSIUM	1200	UG/G		U	A 1200	A	RFME	01-MAY-89
P207889	TRG	SEP06890003	POTASSIUM	2820	UG/G			A 1290	A	RFME	01-MAY-89
P207889	TRG	GSEP06890989001	POTASSIUM	5.00	MG/L		U	V 5000	A	RFMS	15-SEP-89
P207989	TRG	SEP0789BR0306	POTASSIUM	1320	UG/G			V 1150	A	RFME	02-MAY-89
P207989	TRG	SEP0789BR0612	POTASSIUM	1240	UG/G		U	A 1240	A	RFME	02-MAY-89
P207989	TRG	SEP0789BR1218	POTASSIUM	1180	UG/G		U	V 1180	A	RFME	02-MAY-89
P207989	TRG	SEP0789BR0003	POTASSIUM	1750	UG/G			V 1040	A	RFME	02-MAY-89
P208889	TRG	SEP1689BR0410	POTASSIUM	1180	UG/G		U	A 1180	A	RFME	09-MAY-89
P208889	TRG	SEP1689BR1016	POTASSIUM	1130	UG/G		U	A 1130	A	RFME	09-MAY-89
P208889	TRG	GSEP16890989001	POTASSIUM	5.00	MG/L		U	5000		RFMS	17-OCT-89
P208989	TRG	SEP1789BR0309	POTASSIUM	1240	UG/G		U	A 1240	A	RFME	12-MAY-89
P208989	TRG	SEP1789BR0915	POTASSIUM	1170	UG/G		U	R 1170	A	RFME	12-MAY-89
P208989	TRG	SEP1789BR0003	POTASSIUM	1120	UG/G		U	R 1120	A	RFME	12-MAY-89
P209089	TRG	SEP1889BR0309	POTASSIUM	2370	UG/G			A 1230	A	RFME	17-MAY-89
P209089	TRG	SEP1889BR1218D	POTASSIUM	1200	UG/G		U	R 1200	A	RFME	17-MAY-89
P209089	TRG	SEP1889BR1824	POTASSIUM	1160	UG/G		U	R 1160	A	RFME	17-MAY-89
[illegible]089	TRG	SEP1889BR1218	POTASSIUM	1220	UG/G		U	R 1220	A	RFME	17-MAY-89
[illegible]189	TRG	SEP1989BR0309	POTASSIUM	3750	UG/G			1150		RFME	25-MAY-89
P209189	TRG	SEP1989BR1622	POTASSIUM	1280	UG/G			1210		RFME	25-MAY-89
P209189	TRG	SEP1989BR1016	POTASSIUM	1570	UG/G			1150		RFME	25-MAY-89
P209189	TRG	SEP1989BR1622D	POTASSIUM	1230	UG/G		U	1230		RFME	25-MAY-89
P209189	TRG	GSEP19890989001	POTASSIUM	18.60	MG/L			5000		RFMS	27-SEP-89
P209189	TRG	GSEP19890989001D	POTASSIUM	19.90	MG/L			5000		RFMS	27-SEP-89
P209289	TRG	SEP20890003	POTASSIUM	1300	UG/G			A 1090	A	RFME	08-JUN-89
P209289	TRG	SEP20890309	POTASSIUM	1130	UG/G		U	A 1130	A	RFME	08-JUN-89
P209289	TRG	SEP20891418	POTASSIUM	908	UG/G		U	A 908	A	RFME	08-JUN-89
P209289	TRG	SEP20890912	POTASSIUM	1150	UG/G		U	A 1150	A	RFME	08-JUN-89
P209389	TRG	SEP2189BR2026D	POTASSIUM	972	UG/G		U	A 972	A	RFME	07-JUN-89
P209389	TRG	SEP2189BR0309	POTASSIUM	1050	UG/G		U	A 1050	A	RFME	07-JUN-89
P209389	TRG	SEP2189BR1420	POTASSIUM	401	UG/G			A 106	A	RFME	07-JUN-89
P209389	TRG	SEP2189BR2026	POTASSIUM	551	UG/G			A 79.2	A	RFME	07-JUN-89
P209389	TRG	SEP2189BR0912	POTASSIUM	2210	UG/G			V 1110	A	RFME	07-JUN-89
P209389	TRG	GSEP21890989001	POTASSIUM	5.00	MG/L		U	5000		RFMS	18-SEP-89
P209489	TRG	SEP2289BR1621	POTASSIUM	1130	UG/G		U	R 1130	A	RFME	16-MAY-89
P209489	TRG	SEP2289BR0307	POTASSIUM	1060	UG/G		U	A 1060	A	RFME	16-MAY-89
P209489	TRG	SEP2289BR1213	POTASSIUM	1100	UG/G		U	R 1100	A	RFME	16-MAY-89
P209489	TRG	SEP2289BR0912	POTASSIUM	1140	UG/G		U	R 1140	A	RFME	16-MAY-89
P209489	TRG	SEP2289BR1416	POTASSIUM	1100	UG/G		U	R 1100	A	RFME	16-MAY-89
P209589	TRG	SEP2389BR0410	POTASSIUM	1950	UG/G			A 1160	A	RFME	10-MAY-89
P209589	TRG	SEP2389BR1015	POTASSIUM	1580	UG/G			A 1130	A	RFME	10-MAY-89
P209589	TRG	SEP2389BR0004	POTASSIUM	2590	UG/G			A 1250	A	RFME	10-MAY-89
P209689	TRG	SEP2489BR0612	POTASSIUM	1160	UG/G		U	V 1160	A	RFME	03-MAY-89
P209689	TRG	SEP2489BR1218	POTASSIUM	1190	UG/G		U	A 1190	A	RFME	03-MAY-89
[illegible]689	TRG	SEP2489BR1824	POTASSIUM	1220	UG/G		U	A 1220	A	RFME	03-MAY-89
[illegible]789	TRG	SEP25891216	POTASSIUM	1250	UG/G		U	1250		RFME	04-MAY-89
P209789	TRG	SEP25890006	POTASSIUM	1120	UG/G		U	1120		RFME	04-MAY-89
P209789	TRG	SEP25890608	POTASSIUM	1100	UG/G		U	1100		RFME	04-MAY-89

Location ID	--	Proj_Sample_No	Chemical	Result	Unit	Err	Qual.	D.Lmt	VA	Group	Smpl Date
P209789	TRG	GSEP25890989001	POTASSIUM	5.00	MG/L		U	5000		RFMS	13-SEP-89
P209789	TRG	GSEP25890989001D	POTASSIUM	5.00	MG/L		U	5000		RFMS	13-SEP-89
P209889	TRG	SEP2689BR0410D	POTASSIUM	1250	UG/G		U	A 1250	A	RFME	11-MAY-89
P209889	TRG	SEP2689BR1016	POTASSIUM	1150	UG/G		U	A 1150	A	RFME	11-MAY-89
P209889	TRG	SEP2689BR0004	POTASSIUM	1480	UG/G			A 1180	A	RFME	11-MAY-89
P209889	TRG	SEP2689BR0410	POTASSIUM	1220	UG/G		U	A 1220	A	RFME	11-MAY-89
P210189	TRG	SEP3089BR0915	POTASSIUM	1100	UG/G			A 92.8	A	RFME	19-MAY-89
P210189	TRG	SEP3089BR2127	POTASSIUM	1760	UG/G			A 107	A	RFME	19-MAY-89
P210189	TRG	SEP3089BR1521	POTASSIUM	1320	UG/G			A 114	A	RFME	19-MAY-89
P210189	TRG	SEP3089BR0309	POTASSIUM	4440	UG/G			A 110	A	RFME	19-MAY-89
P210189	TRG	GSEP30890989001	POTASSIUM	5.00	MG/L		U	5000		RFMS	28-SEP-89
P210289	TRG	SEP3189BR0306	POTASSIUM	1150	UG/G		U	A 1150	A	RFME	15-MAY-89
P210289	TRG	SEP3189BR1319	POTASSIUM	1210	UG/G		U	A 1210	A	RFME	15-MAY-89
P210289	TRG	SEP3189BR0713	POTASSIUM	1180	UG/G		U	A 1180	A	RFME	15-MAY-89
P210289	TRG	GSEP31890989001	POTASSIUM	5.00	MG/L		U	5000		RFMS	25-SEP-89
P207389	TRG	SEP0189BR0307	SELENIUM	0.74	UG/G		U	0.74		RFME	05-JUN-89
P207389	TRG	SEP0189BR0713	SELENIUM	1.1	UG/G		U	A 1.1	A	RFME	05-JUN-89
P207389	TRG	SEP0189BR1319	SELENIUM	1.1	UG/G		U	A 1.1	A	RFME	05-JUN-89
P207389	TRG	GSEP01890989001	SELENIUM	.0050	MG/L		U	5.0		RFMS	21-SEP-89
P207489	TRG	SEP02890003	SELENIUM	1.2	UG/G		U	A 1.2	A	RFME	06-JUN-89
P207489	TRG	SEP02890306	SELENIUM	0.92	UG/G		U	A 0.92	A	RFME	06-JUN-89
P207489	TRG	SEP02890610	SELENIUM	1.1	UG/G		U	A 1.1	A	RFME	06-JUN-89
P207489	TRG	GSEP02890989001	SELENIUM	.0050	MG/L		U	5.0		RFMS	20-SEP-89
P207589	TRG	SEP0389BR0915	SELENIUM	6.0	UG/G		U	R 6.0	A	RFME	18-MAY-89
P207589	TRG	SEP0389BR1521	SELENIUM	6.1	UG/G		U	R 6.1	A	RFME	18-MAY-89
P207589	TRG	SEP0389BR0309	SELENIUM	5.7	UG/G		U	R 5.7	A	RFME	18-MAY-89
P207689	TRG	SEP048900060	SELENIUM	11.5	UG/G		U	A 11.5	A	RFME	05-MAY-89
P207689	TRG	SEP04891215	SELENIUM	11.9	UG/G		U	A 11.9	A	RFME	05-MAY-89
P207689	TRG	SEP04890612	SELENIUM	12.2	UG/G		U	A 12.2	A	RFME	05-MAY-89
P207689	TRG	GSEP04890989001	SELENIUM	.0270	MG/L			A 10.0	A	RFMS	14-SEP-89
P207789	TRG	SEP0589BR0006	SELENIUM	11.5	UG/G		U	A 11.5	A	RFME	05-MAY-89
P207789	TRG	SEP0589BR1824	SELENIUM	11.6	UG/G		U	A 11.6	A	RFME	05-MAY-89
P207789	TRG	SEP0589BR1318	SELENIUM	12.1	UG/G		U	A 12.1	A	RFME	05-MAY-89
P207789	TRG	SEP0589BR0613	SELENIUM	11.1	UG/G		U	A 11.1	A	RFME	05-MAY-89
P207889	TRG	SEP06890306	SELENIUM	5.8	UG/G		U	R 5.8	A	RFME	01-MAY-89
P207889	TRG	SEP068903060	SELENIUM	5.8	UG/G		U	R 5.8	A	RFME	01-MAY-89
P207889	TRG	SEP06890003	SELENIUM	1.3	UG/G		U	R 1.3	A	RFME	01-MAY-89
P207889	TRG	GSEP06890989001	SELENIUM	.0278	MG/L			A 10.0	A	RFMS	15-SEP-89
P207989	TRG	SEP0789BR0306	SELENIUM	11.9	UG/G		U	R 11.9	A	RFME	02-MAY-89
P207989	TRG	SEP0789BR0612	SELENIUM	12.2	UG/G		U	R 12.2	A	RFME	02-MAY-89
P207989	TRG	SEP0789BR1218	SELENIUM	11.8	UG/G		U	R 11.8	A	RFME	02-MAY-89
P207989	TRG	SEP0789BR0003	SELENIUM	10.4	UG/G		U	R 10.4	A	RFME	02-MAY-89
P208889	TRG	SEP1689BR0410	SELENIUM	6.1	UG/G		U	R 6.1	A	RFME	09-MAY-89
P208889	TRG	SEP1689BR1016	SELENIUM	1.2	UG/G		U	R 1.2	A	RFME	09-MAY-89
P208889	TRG	GSEP16890989001	SELENIUM	.0129	MG/L			5.0		RFMS	17-OCT-89
P208989	TRG	SEP1789BR0309	SELENIUM	6.2	UG/G		U	A 6.2	A	RFME	12-MAY-89
P208989	TRG	SEP1789BR0915	SELENIUM	6.0	UG/G		U	A 6.0	A	RFME	12-MAY-89
P208989	TRG	SEP1789BR0003	SELENIUM	5.9	UG/G		U	A 5.9	A	RFME	12-MAY-89
P209089	TRG	SEP1889BR0309	SELENIUM	6.1	UG/G		U	A 6.1	A	RFME	17-MAY-89
P209089	TRG	SEP1889BR1218	SELENIUM	6.0	UG/G		U	A 6.0	A	RFME	17-MAY-89
P209089	TRG	SEP1889BR1824	SELENIUM	5.8	UG/G		U	A 5.8	A	RFME	17-MAY-89
P209089	TRG	SEP1889BR1218D	SELENIUM	5.8	UG/G		U	A 5.8	A	RFME	17-MAY-89
P209189	TRG	SEP1989BR0309	SELENIUM	5.7	UG/G		U	5.7		RFME	25-MAY-89
P209189	TRG	SEP1989BR1016	SELENIUM	5.8	UG/G		U	5.8		RFME	25-MAY-89
P209189	TRG	SEP1989BR1622	SELENIUM	1.2	UG/G		U	1.2		RFME	25-MAY-89
P209189	TRG	SEP1989BR1622D	SELENIUM	1.2	UG/G		U	1.2		RFME	25-MAY-89
P209189	TRG	GSEP19890989001	SELENIUM	.0050	MG/L		U	5.0		RFMS	27-SEP-89
P209189	TRG	GSEP19890989001D	SELENIUM	.0050	MG/L		U	5.0		RFMS	27-SEP-89

Location ID	--	Proj_Sample_No	Chemical	Result	Unit	Err	Qual.		D.Lmt	VA	Group	Smpl Date
P209289	TRG	SEP20890003	SELENIUM	0.95	UG/G		U	A	0.95	A	RFME	08-JUN-89
P209289	TRG	SEP20890309	SELENIUM	0.99	UG/G		U	A	0.99	A	RFME	08-JUN-89
P209289	TRG	SEP20891418	SELENIUM	1.2	UG/G		U	A	1.2	A	RFME	08-JUN-89
P209289	TRG	SEP20890912	SELENIUM	0.95	UG/G		U	A	0.95	A	RFME	08-JUN-89
P209389	TRG	SEP2189BR2026	SELENIUM	0.88	UG/G		U	A	0.88	A	RFME	07-JUN-89
P209389	TRG	SEP2189BR2026D	SELENIUM	1.0	UG/G		U	A	1.0	A	RFME	07-JUN-89
P209389	TRG	SEP2189BR0309	SELENIUM	0.94	UG/G		U	A	0.94	A	RFME	07-JUN-89
P209389	TRG	SEP2189BR0912	SELENIUM	1.1	UG/G		U	A	1.1	A	RFME	07-JUN-89
P209389	TRG	SEP2189BR1420	SELENIUM	1.1	UG/G		U	A	1.1	A	RFME	07-JUN-89
P209389	TRG	GSEP21890989001	SELENIUM	.0050	MG/L		U		5.0		RFMS	18-SEP-89
P209489	TRG	SEP2289BR1621	SELENIUM	5.6	UG/G		U	A	5.6	A	RFME	16-MAY-89
P209489	TRG	SEP2289BR0307	SELENIUM	5.4	UG/G		U	A	5.4	A	RFME	16-MAY-89
P209489	TRG	SEP2289BR1416	SELENIUM	5.6	UG/G		U	A	5.6	A	RFME	16-MAY-89
P209489	TRG	SEP2289BR0912	SELENIUM	5.7	UG/G		U	A	5.7	A	RFME	16-MAY-89
P209489	TRG	SEP2289BR1213	SELENIUM	5.3	UG/G		U	A	5.3	A	RFME	16-MAY-89
P209589	TRG	SEP2389BR0410	SELENIUM	1.2	UG/G		U	R	1.2	A	RFME	10-MAY-89
P209589	TRG	SEP2389BR1015	SELENIUM	1.2	UG/G		U	R	1.2	A	RFME	10-MAY-89
P209589	TRG	SEP2389BR0004	SELENIUM	1.2	UG/G		U	R	1.2	A	RFME	10-MAY-89
P209689	TRG	SEP2489BR0612	SELENIUM	11.6	UG/G		U	R	11.6	A	RFME	03-MAY-89
P209689	TRG	SEP2489BR1218	SELENIUM	12.1	UG/G		U	A	12.1	A	RFME	03-MAY-89
P209689	TRG	SEP2489BR1824	SELENIUM	12.5	UG/G		U	R	12.5	A	RFME	03-MAY-89
P209789	TRG	SEP25891216	SELENIUM	12.0	UG/G		U		12.0		RFME	04-MAY-89
P209789	TRG	SEP25890006	SELENIUM	11.3	UG/G		U		11.3		RFME	04-MAY-89
P209789	TRG	SEP25890608	SELENIUM	10.9	UG/G		U		10.9		RFME	04-MAY-89
P209789	TRG	GSEP25890989001	SELENIUM	.0061	MG/L				5.0		RFMS	13-SEP-89
P209789	TRG	GSEP25890989001D	SELENIUM	.0051	MG/L				5.0		RFMS	13-SEP-89
P209889	TRG	SEP2689BR0410D	SELENIUM	1.2	UG/G		U	R	1.2	A	RFME	11-MAY-89
P209889	TRG	SEP2689BR1016	SELENIUM	2.3	UG/G			A	1.2	A	RFME	11-MAY-89
P209889	TRG	SEP2689BR0004	SELENIUM	6.0	UG/G		U	R	6.0	A	RFME	11-MAY-89
P209889	TRG	SEP2689BR0410	SELENIUM	1.2	UG/G		U	R	1.2	A	RFME	11-MAY-89
P210189	TRG	SEP3089BR0309	SELENIUM	1.3	UG/G			A	1.1	A	RFME	19-MAY-89
P210189	TRG	SEP3089BR0915	SELENIUM	0.93	UG/G		U	A	0.93	A	RFME	19-MAY-89
P210189	TRG	SEP3089BR2127	SELENIUM	1.2	UG/G		U	A	1.2	A	RFME	19-MAY-89
P210189	TRG	SEP3089BR1521	SELENIUM	1.0	UG/G		U	A	1.0	A	RFME	19-MAY-89
P210189	TRG	GSEP30890989001	SELENIUM	.0050	MG/L		U		5.0		RFMS	28-SEP-89
P210289	TRG	SEP3189BR0306	SELENIUM	1.2	UG/G		U	R	1.2	A	RFME	15-MAY-89
P210289	TRG	SEP3189BR0713	SELENIUM	1.2	UG/G		U	R	1.2	A	RFME	15-MAY-89
P210289	TRG	SEP3189BR1319	SELENIUM	1.2	UG/G		U	R	1.2	A	RFME	15-MAY-89
P210289	TRG	GSEP31890989001	SELENIUM	.455	MG/L				125		RFMS	25-SEP-89
P207389	TRG	SEP0189BR0307	SILVER	1.9	UG/G		U		1.9		RFME	05-JUN-89
P207389	TRG	SEP0189BR1319	SILVER	2.3	UG/G		U	V	2.3	A	RFME	05-JUN-89
P207389	TRG	SEP0189BR0713	SILVER	2.4	UG/G		U	V	2.4	A	RFME	05-JUN-89
P207389	TRG	GSEP01890989001	SILVER	.0100	MG/L		U		10.0		RFMS	21-SEP-89
P207489	TRG	SEP02890003	SILVER	2.2	UG/G		U	V	2.2	A	RFME	06-JUN-89
P207489	TRG	SEP02890306	SILVER	5.8	UG/G			A	1.9	A	RFME	06-JUN-89
P207489	TRG	SEP02890610	SILVER	1.8	UG/G		U	V	1.8	A	RFME	06-JUN-89
P207489	TRG	GSEP02890989001	SILVER	.0100	MG/L		U		10.0		RFMS	20-SEP-89
P207589	TRG	SEP0389BR1521	SILVER	2.3	UG/G		U	A	2.3	A	RFME	18-MAY-89
P207589	TRG	SEP0389BR0309	SILVER	2.3	UG/G		U	V	2.3	A	RFME	18-MAY-89
P207589	TRG	SEP0389BR0915	SILVER	2.9	UG/G			A	2.5	A	RFME	18-MAY-89
P207689	TRG	SEP04890006D	SILVER	2.3	UG/G		U	A	2.3	A	RFME	05-MAY-89
P207689	TRG	SEP04891215	SILVER	2.4	UG/G		U	A	2.4	A	RFME	05-MAY-89
P207689	TRG	SEP04890612	SILVER	2.5	UG/G		U	A	2.5	A	RFME	05-MAY-89
P207689	TRG	GSEP04890989001	SILVER	.0100	MG/L		U	R	10.0	A	RFMS	14-SEP-89
P207789	TRG	SEP0589BR0006	SILVER	2.3	UG/G		U	A	2.3	A	RFME	05-MAY-89
P207789	TRG	SEP0589BR0613	SILVER	2.3	UG/G		U	A	2.3	A	RFME	05-MAY-89
P207789	TRG	SEP0589BR1824	SILVER	2.3	UG/G		U	A	2.3	A	RFME	05-MAY-89
P207789	TRG	SEP0589BR1318	SILVER	2.4	UG/G		U	A	2.4	A	RFME	05-MAY-89

Location ID	--	Proj_Sample_No	Chemical	Result	Unit	Err	Qual.	D.Lmt	VA	Group	Smpl Date
P207889	TRG	SEP068903060	SILVER	2.4	UG/G		U	A 2.4	A	RFME	01-MAY-89
P207889	TRG	SEP06890003	SILVER	3.1	UG/G			A 2.6	A	RFME	01-MAY-89
P207889	TRG	SEP06890306	SILVER	2.4	UG/G		U	A 2.4	A	RFME	01-MAY-89
P207889	TRG	GSEP06890989001	SILVER	.0100	MG/L		U	R 10.0	A	RFMS	15-SEP-89
P207989	TRG	SEP0789BR0306	SILVER	2.3	UG/G		U	R 2.3	A	RFME	02-MAY-89
P207989	TRG	SEP0789BR1218	SILVER	2.4	UG/G		U	R 2.4	A	RFME	02-MAY-89
P207989	TRG	SEP0789BR0612	SILVER	2.5	UG/G		U	R 2.5	A	RFME	02-MAY-89
P207989	TRG	SEP0789BR0003	SILVER	2.1	UG/G		U	R 2.1	A	RFME	02-MAY-89
P208889	TRG	SEP1689BR0410	SILVER	2.4	UG/G		U	R 2.4	A	RFME	09-MAY-89
P208889	TRG	SEP1689BR1016	SILVER	2.3	UG/G		U	R 2.3	A	RFME	09-MAY-89
P208889	TRG	GSEP16890989001	SILVER	.0100	MG/L		U	10.0		RFMS	17-OCT-89
P208989	TRG	SEP1789BR0915	SILVER	2.3	UG/G		U	A 2.3	A	RFME	12-MAY-89
P208989	TRG	SEP1789BR0003	SILVER	2.2	UG/G		U	A 2.2	A	RFME	12-MAY-89
P208989	TRG	SEP1789BR0309	SILVER	2.5	UG/G		U	A 2.5	A	RFME	12-MAY-89
P209089	TRG	SEP1889BR0309	SILVER	2.5	UG/G		U	A 2.5	A	RFME	17-MAY-89
P209089	TRG	SEP1889BR1218	SILVER	2.4	UG/G		U	A 2.4	A	RFME	17-MAY-89
P209089	TRG	SEP1889BR1824	SILVER	2.3	UG/G		U	A 2.3	A	RFME	17-MAY-89
P209089	TRG	SEP1889BR1218D	SILVER	2.4	UG/G		U	A 2.4	A	RFME	17-MAY-89
P209189	TRG	SEP1989BR0309	SILVER	2.3	UG/G		U	2.3		RFME	25-MAY-89
P209189	TRG	SEP1989BR1622D	SILVER	2.5	UG/G		U	2.5		RFME	25-MAY-89
P209189	TRG	SEP1989BR1622	SILVER	2.4	UG/G		U	2.4		RFME	25-MAY-89
P209189	TRG	SEP1989BR1016	SILVER	2.3	UG/G		U	2.3		RFME	25-MAY-89
P209189	TRG	GSEP19890989001	SILVER	.0100	MG/L		U	10.0		RFMS	27-SEP-89
P209189	TRG	GSEP19890989001D	SILVER	.0100	MG/L		U	10.0		RFMS	27-SEP-89
P209289	TRG	SEP20890003	SILVER	3.1	UG/G			V 2.2	A	RFME	08-JUN-89
P209289	TRG	SEP20891418	SILVER	5.3	UG/G			A 1.8	A	RFME	08-JUN-89
P209289	TRG	SEP20890912	SILVER	2.3	UG/G		U	V 2.3	A	RFME	08-JUN-89
P209289	TRG	SEP20890309	SILVER	2.2	UG/G		U	V 2.2	A	RFME	08-JUN-89
P209389	TRG	SEP2189BR2026D	SILVER	2.0	UG/G			V 1.9	A	RFME	07-JUN-89
P209389	TRG	SEP2189BR0309	SILVER	5.6	UG/G			A 2.1	A	RFME	07-JUN-89
P209389	TRG	SEP2189BR0912	SILVER	2.2	UG/G		U	V 2.2	A	RFME	07-JUN-89
P209389	TRG	SEP2189BR1420	SILVER	2.1	UG/G		U	V 2.1	A	RFME	07-JUN-89
P209389	TRG	SEP2189BR2026	SILVER	1.7	UG/G			V 1.6	A	RFME	07-JUN-89
P209389	TRG	GSEP21890989001	SILVER	.0100	MG/L		U	10.0		RFMS	18-SEP-89
P209489	TRG	SEP2289BR0307	SILVER	2.1	UG/G		U	A 2.1	A	RFME	16-MAY-89
P209489	TRG	SEP2289BR1416	SILVER	2.2	UG/G		U	A 2.2	A	RFME	16-MAY-89
P209489	TRG	SEP2289BR1213	SILVER	2.2	UG/G		U	A 2.2	A	RFME	16-MAY-89
P209489	TRG	SEP2289BR0912	SILVER	2.3	UG/G		U	A 2.3	A	RFME	16-MAY-89
P209489	TRG	SEP2289BR1621	SILVER	2.3	UG/G		U	A 2.3	A	RFME	16-MAY-89
P209589	TRG	SEP2389BR1015	SILVER	2.3	UG/G		U	A 2.3	A	RFME	10-MAY-89
P209589	TRG	SEP2389BR0004	SILVER	2.5	UG/G		U	A 2.5	A	RFME	10-MAY-89
P209589	TRG	SEP2389BR0410	SILVER	2.3	UG/G		U	A 2.3	A	RFME	10-MAY-89
P209689	TRG	SEP2489BR0612	SILVER	2.3	UG/G		U	R 2.3	A	RFME	03-MAY-89
P209689	TRG	SEP2489BR1824	SILVER	2.4	UG/G		U	R 2.4	A	RFME	03-MAY-89
P209689	TRG	SEP2489BR1218	SILVER	3.7	UG/G			A 2.4	A	RFME	03-MAY-89
P209789	TRG	SEP25891216	SILVER	2.5	UG/G		U	2.5		RFME	04-MAY-89
P209789	TRG	SEP25890006	SILVER	2.2	UG/G		U	2.2		RFME	04-MAY-89
P209789	TRG	SEP25890608	SILVER	2.2	UG/G		U	2.2		RFME	04-MAY-89
P209789	TRG	GSEP25890989001	SILVER	.0100	MG/L		U	10.0		RFMS	13-SEP-89
P209789	TRG	GSEP25890989001D	SILVER	.0100	MG/L		U	10.0		RFMS	13-SEP-89
P209889	TRG	SEP2689BR1016	SILVER	2.3	UG/G		U	A 2.3	A	RFME	11-MAY-89
P209889	TRG	SEP2689BR0004	SILVER	2.4	UG/G		U	A 2.4	A	RFME	11-MAY-89
P209889	TRG	SEP2689BR0410	SILVER	2.4	UG/G		U	R 2.4	A	RFME	11-MAY-89
P209889	TRG	SEP2689BR0410D	SILVER	2.5	UG/G		U	R 2.5	A	RFME	11-MAY-89
P210189	TRG	SEP3089BR0915	SILVER	1.9	UG/G		U	V 1.9	A	RFME	19-MAY-89
P210189	TRG	SEP3089BR2127	SILVER	2.1	UG/G		U	V 2.1	A	RFME	19-MAY-89
P210189	TRG	SEP3089BR1521	SILVER	2.3	UG/G		U	V 2.3	A	RFME	19-MAY-89
P210189	TRG	SEP3089BR0309	SILVER	2.2	UG/G		U	V 2.2	A	RFME	19-MAY-89

Location ID	--	Proj_Sample_No	Chemical	Result	Unit	Err	Qual.		D.Lmt	VA	Group	Smpl Date
P210189	TRG	GSEP30890989001	SILVER	.0100	MG/L		U		10.0		RFMS	28-SEP-89
P210289	TRG	SEP3189BR0306	SILVER	2.3	UG/G		U	A	2.3	A	RFME	15-MAY-89
P210289	TRG	SEP3189BR0713	SILVER	2.4	UG/G		U	R	2.4	A	RFME	15-MAY-89
P210289	TRG	SEP3189BR1319	SILVER	2.4	UG/G		U	A	2.4	A	RFME	15-MAY-89
P210289	TRG	GSEP31890989001	SILVER	.0100	MG/L		U		10.0		RFMS	25-SEP-89
P207389	TRG	SEP0189BR0307	SODIUM	970	UG/G		U		970		RFME	05-JUN-89
P207389	TRG	SEP0189BR0713	SODIUM	1180	UG/G		U	A	1180	A	RFME	05-JUN-89
P207389	TRG	SEP0189BR1319	SODIUM	1130	UG/G		U	A	1130	A	RFME	05-JUN-89
P207389	TRG	GSEP01890989001	SODIUM	71.70	MG/L				5000		RFMS	21-SEP-89
P207489	TRG	SEP02890003	SODIUM	1080	UG/G		U	A	1080	A	RFME	06-JUN-89
P207489	TRG	SEP02890306	SODIUM	960	UG/G		U	A	960	A	RFME	06-JUN-89
P207489	TRG	SEP02890610	SODIUM	918	UG/G		U	A	918	A	RFME	06-JUN-89
P207489	TRG	GSEP02890989001	SODIUM	41.70	MG/L				5000		RFMS	20-SEP-89
P207589	TRG	SEP0389BR1521	SODIUM	1170	UG/G		U	V	1170	A	RFME	18-MAY-89
P207589	TRG	SEP0389BR0309	SODIUM	1150	UG/G		U	V	1150	A	RFME	18-MAY-89
P207589	TRG	SEP0389BR0915	SODIUM	1260	UG/G		U	V	1260	A	RFME	18-MAY-89
P207689	TRG	SEP04890006D	SODIUM	1150	UG/G		U	A	1150	A	RFME	05-MAY-89
P207689	TRG	SEP04891215	SODIUM	1190	UG/G		U	A	1190	A	RFME	05-MAY-89
P207689	TRG	SEP04890612	SODIUM	1230	UG/G		U	A	1230	A	RFME	05-MAY-89
P207689	TRG	GSEP04890989001	SODIUM	211.00	MG/L			V	5000	A	RFMS	14-SEP-89
P207789	TRG	SEP0589BR0006	SODIUM	1170	UG/G		U	A	1170	A	RFME	05-MAY-89
P207789	TRG	SEP0589BR0613	SODIUM	1130	UG/G		U	A	1130	A	RFME	05-MAY-89
P207789	TRG	SEP0589BR1824	SODIUM	1170	UG/G		U	A	1170	A	RFME	05-MAY-89
P207789	TRG	SEP0589BR1318	SODIUM	1220	UG/G		U	A	1220	A	RFME	05-MAY-89
P207889	TRG	SEP06890306D	SODIUM	1200	UG/G		U	V	1200	A	RFME	01-MAY-89
P207889	TRG	SEP06890003	SODIUM	1290	UG/G		U	V	1290	A	RFME	01-MAY-89
P207889	TRG	SEP06890306	SODIUM	1190	UG/G		U	V	1190	A	RFME	01-MAY-89
P207889	TRG	GSEP06890989001	SODIUM	171.00	MG/L			V	5000	A	RFMS	15-SEP-89
P207989	TRG	SEP0789BR0306	SODIUM	1150	UG/G		U	V	1150	A	RFME	02-MAY-89
P207989	TRG	SEP0789BR0612	SODIUM	1340	UG/G			V	1240	A	RFME	02-MAY-89
P207989	TRG	SEP0789BR1218	SODIUM	1180	UG/G		U	V	1180	A	RFME	02-MAY-89
P207989	TRG	SEP0789BR0003	SODIUM	1040	UG/G		U	V	1040	A	RFME	02-MAY-89
P208889	TRG	SEP1689BR0410	SODIUM	1510	UG/G			V	1180	A	RFME	09-MAY-89
P208889	TRG	SEP1689BR1016	SODIUM	2230	UG/G			V	1130	A	RFME	09-MAY-89
P208889	TRG	GSEP16890989001	SODIUM	155.00	MG/L				5000		RFMS	17-OCT-89
P208989	TRG	SEP1789BR0915	SODIUM	1170	UG/G		U	V	1170	A	RFME	12-MAY-89
P208989	TRG	SEP1789BR0003	SODIUM	1120	UG/G		U	V	1120	A	RFME	12-MAY-89
P208989	TRG	SEP1789BR0309	SODIUM	1240	UG/G		U	V	1240	A	RFME	12-MAY-89
P209089	TRG	SEP1889BR0309	SODIUM	1230	UG/G		U	V	1230	A	RFME	17-MAY-89
P209089	TRG	SEP1889BR1824	SODIUM	1160	UG/G		U	V	1160	A	RFME	17-MAY-89
P209089	TRG	SEP1889BR1218D	SODIUM	1200	UG/G		U	V	1200	A	RFME	17-MAY-89
P209089	TRG	SEP1889BR1218	SODIUM	1220	UG/G		U	V	1220	A	RFME	17-MAY-89
P209189	TRG	SEP1989BR0309	SODIUM	1860	UG/G				1150		RFME	25-MAY-89
P209189	TRG	SEP1989BR1016	SODIUM	1150	UG/G		U		1150		RFME	25-MAY-89
P209189	TRG	SEP1989BR1622	SODIUM	1210	UG/G		U		1210		RFME	25-MAY-89
P209189	TRG	SEP1989BR1622D	SODIUM	1230	UG/G		U		1230		RFME	25-MAY-89
P209189	TRG	GSEP19890989001D	SODIUM	56.70	MG/L				5000		RFMS	27-SEP-89
P209189	TRG	GSEP19890989001	SODIUM	57.50	MG/L				5000		RFMS	27-SEP-89
P209289	TRG	SEP20890003	SODIUM	118	UG/G			A	109	A	RFME	08-JUN-89
P209289	TRG	SEP20890309	SODIUM	113	UG/G		U	A	113	A	RFME	08-JUN-89
P209289	TRG	SEP20890912	SODIUM	1150	UG/G		U	A	1150	A	RFME	08-JUN-89
P209289	TRG	SEP20891418	SODIUM	135	UG/G			A	90.8	A	RFME	08-JUN-89
P209389	TRG	SEP2189BR2026D	SODIUM	97.2	UG/G		U	A	97.2	A	RFME	07-JUN-89
P209389	TRG	SEP2189BR0309	SODIUM	1050	UG/G		U	A	1050	A	RFME	07-JUN-89
P209389	TRG	SEP2189BR1420	SODIUM	106	UG/G		U	A	106	A	RFME	07-JUN-89
P209389	TRG	SEP2189BR2026	SODIUM	79.2	UG/G		U	A	79.2	A	RFME	07-JUN-89
P209389	TRG	SEP2189BR0912	SODIUM	1110	UG/G		U	A	1110	A	RFME	07-JUN-89
P209389	TRG	GSEP21890989001	SODIUM	34.40	MG/L				5000		RFMS	18-SEP-89

Location ID	--	Proj_Sample_No	Chemical	Result	Unit	Err	Qual.		D.Lmt	VA	Group	Smpl Date
P209489	TRG	SEP2289BR0307	SODIUM	1060	UG/G		U	V	1060	A	RFME	16-MAY-89
P209489	TRG	SEP2289BR1621	SODIUM	1130	UG/G		U	V	1130	A	RFME	16-MAY-89
P209489	TRG	SEP2289BR1416	SODIUM	1100	UG/G		U	V	1100	A	RFME	16-MAY-89
P209489	TRG	SEP2289BR1213	SODIUM	1100	UG/G		U	V	1100	A	RFME	16-MAY-89
P209489	TRG	SEP2289BR0912	SODIUM	1140	UG/G		U	V	1140	A	RFME	16-MAY-89
P209589	TRG	SEP2389BR1015	SODIUM	1680	UG/G			V	1130	A	RFME	10-MAY-89
P209589	TRG	SEP2389BR0004	SODIUM	1570	UG/G			V	1250	A	RFME	10-MAY-89
P209589	TRG	SEP2389BR0410	SODIUM	1720	UG/G			V	1160	A	RFME	10-MAY-89
P209689	TRG	SEP2489BR0612	SODIUM	1160	UG/G		U	V	1160	A	RFME	03-MAY-89
P209689	TRG	SEP2489BR1824	SODIUM	1220	UG/G		U	V	1220	A	RFME	03-MAY-89
P209689	TRG	SEP2489BR1218	SODIUM	1190	UG/G		U	V	1190	A	RFME	03-MAY-89
P209789	TRG	SEP25890006	SODIUM	1120	UG/G		U		1120		RFME	04-MAY-89
P209789	TRG	SEP25891216	SODIUM	1250	UG/G		U		1250		RFME	04-MAY-89
P209789	TRG	SEP25890608	SODIUM	1100	UG/G		U		1100		RFME	04-MAY-89
P209789	TRG	GSEP25890989001	SODIUM	56.80	MG/L				5000		RFMS	13-SEP-89
P209789	TRG	GSEP25890989001D	SODIUM	55.50	MG/L				5000		RFMS	13-SEP-89
P209889	TRG	SEP2689BR1016	SODIUM	1150	UG/G		U	V	1150	A	RFME	11-MAY-89
P209889	TRG	SEP2689BR0004	SODIUM	1180	UG/G		U	V	1180	A	RFME	11-MAY-89
P209889	TRG	SEP2689BR0410D	SODIUM	1250	UG/G		U	V	1250	A	RFME	11-MAY-89
P209889	TRG	SEP2689BR0410	SODIUM	1220	UG/G		U	V	1220	A	RFME	11-MAY-89
P210189	TRG	SEP3089BR0915	SODIUM	928	UG/G		U	V	928	A	RFME	19-MAY-89
P210189	TRG	SEP3089BR2127	SODIUM	1070	UG/G		U	V	1070	A	RFME	19-MAY-89
P210189	TRG	SEP3089BR1521	SODIUM	1140	UG/G		U	V	1140	A	RFME	19-MAY-89
P210189	TRG	SEP3089BR0309	SODIUM	3450	UG/G			V	1100	A	RFME	19-MAY-89
P210189	TRG	GSEP30890989001	SODIUM	46.40	MG/L				5000		RFMS	28-SEP-89
P210289	TRG	SEP3189BR0306	SODIUM	1150	UG/G		U	V	1150	A	RFME	15-MAY-89
P210289	TRG	SEP3189BR1319	SODIUM	1210	UG/G		U	V	1210	A	RFME	15-MAY-89
P210289	TRG	SEP3189BR0713	SODIUM	1180	UG/G		U	V	1180	A	RFME	15-MAY-89
P210289	TRG	GSEP31890989001	SODIUM	290.00	MG/L				5000		RFMS	25-SEP-89
P207389	TRG	SEP0189BR0307	STRONTIUM	92.6	UG/G				19.4		RFME	05-JUN-89
P207389	TRG	SEP0189BR0713	STRONTIUM	189	UG/G			A	23.5	A	RFME	05-JUN-89
P207389	TRG	SEP0189BR1319	STRONTIUM	37.4	UG/G			A	22.7	A	RFME	05-JUN-89
P207389	TRG	GSEP01890989001	STRONTIUM	1.00	MG/L		U		1000		RFMS	21-SEP-89
P207489	TRG	SEP02890003	STRONTIUM	47.8	UG/G			A	21.7	A	RFME	06-JUN-89
P207489	TRG	SEP02890306	STRONTIUM	27.4	UG/G			A	19.2	A	RFME	06-JUN-89
P207489	TRG	SEP02890610	STRONTIUM	61.8	UG/G			A	18.4	A	RFME	06-JUN-89
P207489	TRG	GSEP02890989001	STRONTIUM	1.00	MG/L		U		1000		RFMS	20-SEP-89
P207589	TRG	SEP0389BR1521	STRONTIUM	233	UG/G		U	V	233	A	RFME	18-MAY-89
P207589	TRG	SEP0389BR0309	STRONTIUM	354	UG/G			V	229	A	RFME	18-MAY-89
P207589	TRG	SEP0389BR0915	STRONTIUM	251	UG/G		U	V	251	A	RFME	18-MAY-89
P207689	TRG	SEP048900060	STRONTIUM	299	UG/G			V	230	A	RFME	05-MAY-89
P207689	TRG	SEP04891215	STRONTIUM	239	UG/G		U	V	239	A	RFME	05-MAY-89
P207689	TRG	SEP04890612	STRONTIUM	245	UG/G		U	V	245	A	RFME	05-MAY-89
P207689	TRG	GSEP04890989001	STRONTIUM	3.02	MG/L			A	100	A	RFMS	14-SEP-89
P207789	TRG	SEP0589BR0006	STRONTIUM	236	UG/G			V	233	A	RFME	05-MAY-89
P207789	TRG	SEP0589BR0613	STRONTIUM	226	UG/G		U	V	226	A	RFME	05-MAY-89
P207789	TRG	SEP0589BR1318	STRONTIUM	245	UG/G		U	V	245	A	RFME	05-MAY-89
P207789	TRG	SEP0589BR1824	STRONTIUM	234	UG/G		U	V	234	A	RFME	05-MAY-89
P207889	TRG	SEP068903060	STRONTIUM	240	UG/G		U	V	240	A	RFME	01-MAY-89
P207889	TRG	SEP06890003	STRONTIUM	258	UG/G		U	V	258	A	RFME	01-MAY-89
P207889	TRG	SEP06890306	STRONTIUM	238	UG/G		U	V	238	A	RFME	01-MAY-89
P207889	TRG	GSEP06890989001	STRONTIUM	1.61	MG/L			A	100	A	RFMS	15-SEP-89
P207989	TRG	SEP0789BR0306	STRONTIUM	231	UG/G		U	A	231	A	RFME	02-MAY-89
P207989	TRG	SEP0789BR0612	STRONTIUM	249	UG/G		U	A	249	A	RFME	02-MAY-89
P207989	TRG	SEP0789BR1218	STRONTIUM	235	UG/G		U	A	235	A	RFME	02-MAY-89
P207989	TRG	SEP0789BR0003	STRONTIUM	209	UG/G		U	A	209	A	RFME	02-MAY-89
P208889	TRG	SEP1689BR0410	STRONTIUM	260	UG/G			V	236	A	RFME	09-MAY-89
P208889	TRG	SEP1689BR1016	STRONTIUM	227	UG/G		U	V	227	A	RFME	09-MAY-89

Location ID	--	Proj_Sample_No	Chemical	Result	Unit	Err	Qual.	D.Lmt	VA	Group	Smpl Date
P208889	TRG	GSEP16890989001	STRONTIUM	1.00	MG/L		U	1000		RFMS	17-OCT-89
P208989	TRG	SEP1789BR0915	STRONTIUM	234	UG/G		U	V 234	A	RFME	12-MAY-89
P208989	TRG	SEP1789BR0003	STRONTIUM	223	UG/G		U	V 223	A	RFME	12-MAY-89
P208989	TRG	SEP1789BR0309	STRONTIUM	248	UG/G		U	V 248	A	RFME	12-MAY-89
P209089	TRG	SEP1889BR0309	STRONTIUM	247	UG/G		U	V 247	A	RFME	17-MAY-89
P209089	TRG	SEP1889BR1218D	STRONTIUM	240	UG/G		U	V 240	A	RFME	17-MAY-89
P209089	TRG	SEP1889BR1824	STRONTIUM	231	UG/G		U	V 231	A	RFME	17-MAY-89
P209089	TRG	SEP1889BR1218	STRONTIUM	243	UG/G		U	V 243	A	RFME	17-MAY-89
P209189	TRG	SEP1989BR0309	STRONTIUM	231	UG/G		U	231		RFME	25-MAY-89
P209189	TRG	SEP1989BR1622D	STRONTIUM	247	UG/G		U	247		RFME	25-MAY-89
P209189	TRG	SEP1989BR1622	STRONTIUM	243	UG/G		U	243		RFME	25-MAY-89
P209189	TRG	SEP1989BR1016	STRONTIUM	230	UG/G		U	230		RFME	25-MAY-89
P209189	TRG	GSEP19890989001D	STRONTIUM	1.00	MG/L		U	1000		RFMS	27-SEP-89
P209189	TRG	GSEP19890989001	STRONTIUM	1.00	MG/L		U	1000		RFMS	27-SEP-89
P209289	TRG	SEP20890003	STRONTIUM	30.4	UG/G			A 21.8	A	RFME	08-JUN-89
P209289	TRG	SEP20891418	STRONTIUM	23.7	UG/G			A 18.2	A	RFME	08-JUN-89
P209289	TRG	SEP20890309	STRONTIUM	22.6	UG/G		U	V 22.6	A	RFME	08-JUN-89
P209289	TRG	SEP20890912	STRONTIUM	23.0	UG/G		U	V 23.0	A	RFME	08-JUN-89
P209389	TRG	SEP2189BR2026D	STRONTIUM	21.3	UG/G			A 19.4	A	RFME	07-JUN-89
P209389	TRG	SEP2189BR0309	STRONTIUM	21.0	UG/G		U	V 21.0	A	RFME	07-JUN-89
P209389	TRG	SEP2189BR2026	STRONTIUM	21.2	UG/G			A 15.8	A	RFME	07-JUN-89
P209389	TRG	SEP2189BR1420	STRONTIUM	21.2	UG/G		U	V 21.2	A	RFME	07-JUN-89
P209389	TRG	SEP2189BR0912	STRONTIUM	22.2	UG/G		U	V 22.2	A	RFME	07-JUN-89
P209389	TRG	GSEP21890989001	STRONTIUM	1.00	MG/L		U	1000		RFMS	18-SEP-89
P209489	TRG	SEP2289BR0307	STRONTIUM	212	UG/G		U	A 212	A	RFME	16-MAY-89
P209489	TRG	SEP2289BR1213	STRONTIUM	220	UG/G		U	A 220	A	RFME	16-MAY-89
P209489	TRG	SEP2289BR1621	STRONTIUM	226	UG/G		U	A 226	A	RFME	16-MAY-89
P209489	TRG	SEP2289BR1416	STRONTIUM	220	UG/G		U	A 220	A	RFME	16-MAY-89
P209489	TRG	SEP2289BR0912	STRONTIUM	229	UG/G		U	A 229	A	RFME	16-MAY-89
P209589	TRG	SEP2389BR1015	STRONTIUM	226	UG/G		U	V 226	A	RFME	10-MAY-89
P209589	TRG	SEP2389BR0004	STRONTIUM	250	UG/G		U	V 250	A	RFME	10-MAY-89
P209589	TRG	SEP2389BR0410	STRONTIUM	232	UG/G		U	V 232	A	RFME	10-MAY-89
P209689	TRG	SEP2489BR0612	STRONTIUM	232	UG/G		U	A 232	A	RFME	03-MAY-89
P209689	TRG	SEP2489BR1824	STRONTIUM	244	UG/G		U	A 244	A	RFME	03-MAY-89
P209689	TRG	SEP2489BR1218	STRONTIUM	239	UG/G		U	A 239	A	RFME	03-MAY-89
P209789	TRG	SEP25890006	STRONTIUM	224	UG/G		U	224		RFME	04-MAY-89
P209789	TRG	SEP25891216	STRONTIUM	250	UG/G		U	250		RFME	04-MAY-89
P209789	TRG	SEP25890608	STRONTIUM	220	UG/G		U	220		RFME	04-MAY-89
P209789	TRG	GSEP25890989001	STRONTIUM	1.00	MG/L		U	1000		RFMS	13-SEP-89
P209789	TRG	GSEP25890989001D	STRONTIUM	1.00	MG/L		U	1000		RFMS	13-SEP-89
P209889	TRG	SEP2689BR1016	STRONTIUM	229	UG/G		U	V 229	A	RFME	11-MAY-89
P209889	TRG	SEP2689BR0004	STRONTIUM	236	UG/G		U	V 236	A	RFME	11-MAY-89
P209889	TRG	SEP2689BR0410	STRONTIUM	243	UG/G		U	V 243	A	RFME	11-MAY-89
P209889	TRG	SEP2689BR0410D	STRONTIUM	250	UG/G		U	V 250	A	RFME	11-MAY-89
P210189	TRG	SEP3089BR0915	STRONTIUM	18.6	UG/G		U	V 18.6	A	RFME	19-MAY-89
P210189	TRG	SEP3089BR1521	STRONTIUM	47.2	UG/G			V 22.8	A	RFME	19-MAY-89
P210189	TRG	SEP3089BR2127	STRONTIUM	47.3	UG/G			V 21.4	A	RFME	19-MAY-89
P210189	TRG	SEP3089BR0309	STRONTIUM	22.5	UG/G			V 21.9	A	RFME	19-MAY-89
P210189	TRG	GSEP30890989001	STRONTIUM	1.00	MG/L		U	1000		RFMS	28-SEP-89
P210289	TRG	SEP3189BR0306	STRONTIUM	231	UG/G		U	V 231	A	RFME	15-MAY-89
P210289	TRG	SEP3189BR1319	STRONTIUM	242	UG/G		U	V 242	A	RFME	15-MAY-89
P210289	TRG	SEP3189BR0713	STRONTIUM	236	UG/G		U	V 236	A	RFME	15-MAY-89
P210289	TRG	GSEP31890989001	STRONTIUM	3.51	MG/L			1000		RFMS	25-SEP-89
P207389	TRG	SEP0189BR0307	THALLIUM	1.5	UG/G		U	1.5		RFME	05-JUN-89
P207389	TRG	SEP0189BR0713	THALLIUM	2.2	UG/G		U	V 2.2	A	RFME	05-JUN-89
P207389	TRG	SEP0189BR1319	THALLIUM	2.2	UG/G		U	V 2.2	A	RFME	05-JUN-89
P207389	TRG	GSEP01890989001	THALLIUM	.0100	MG/L		U	10.0		RFMS	21-SEP-89
P207489	TRG	SEP02890003	THALLIUM	2.3	UG/G		U	V 2.3	A	RFME	06-JUN-89

Location ID		Proj_Sample_No	Chemical	Result	Unit	Err	Qual.		D.Lmt	VA	Group	Smpl Date
P207489	TRG	SEP02890610	THALLIUM	2.2	UG/G		U	V	2.2	A	RFME	06-JUN-89
P207489	TRG	SEP02890306	THALLIUM	1.8	UG/G		U	V	1.8	A	RFME	06-JUN-89
P207489	TRG	GSEP02890989001	THALLIUM	.0400	MG/L		U		40.0		RFMS	20-SEP-89
P207589	TRG	SEP0389BR1521	THALLIUM	2.4	UG/G		U	R	2.4	A	RFME	18-MAY-89
P207589	TRG	SEP0389BR0309	THALLIUM	2.3	UG/G		U	A	2.3	A	RFME	18-MAY-89
P207589	TRG	SEP0389BR0915	THALLIUM	2.4	UG/G		U	R	2.4	A	RFME	18-MAY-89
P207689	TRG	SEP04890006D	THALLIUM	2.3	UG/G		U	R	2.3	A	RFME	05-MAY-89
P207689	TRG	SEP04890612	THALLIUM	2.5	UG/G		U	R	2.5	A	RFME	05-MAY-89
P207689	TRG	SEP04891215	THALLIUM	2.5	UG/G		U	R	2.5	A	RFME	05-MAY-89
P207689	TRG	GSEP04890989001	THALLIUM	.100	MG/L		U	R	100	A	RFMS	14-SEP-89
P207789	TRG	SEP0589BR0006	THALLIUM	2.3	UG/G		U	R	2.3	A	RFME	05-MAY-89
P207789	TRG	SEP0589BR0613	THALLIUM	2.3	UG/G		U	R	2.3	A	RFME	05-MAY-89
P207789	TRG	SEP0589BR1824	THALLIUM	2.4	UG/G		U	R	2.4	A	RFME	05-MAY-89
P207789	TRG	SEP0589BR1318	THALLIUM	2.5	UG/G		U	R	2.5	A	RFME	05-MAY-89
P207889	TRG	SEP06890306D	THALLIUM	2.3	UG/G		U	A	2.3	A	RFME	01-MAY-89
P207889	TRG	SEP06890003	THALLIUM	2.5	UG/G		U	V	2.5	A	RFME	01-MAY-89
P207889	TRG	SEP06890306	THALLIUM	2.3	UG/G		U	A	2.3	A	RFME	01-MAY-89
P207889	TRG	GSEP06890989001	THALLIUM	.0100	MG/L		U	R	10.0	A	RFMS	15-SEP-89
P207989	TRG	SEP0789BR0612	THALLIUM	2.5	UG/G		U	R	2.5	A	RFME	02-MAY-89
P207989	TRG	SEP0789BR1218	THALLIUM	2.4	UG/G		U	R	2.4	A	RFME	02-MAY-89
P207989	TRG	SEP0789BR0003	THALLIUM	2.1	UG/G		U	R	2.1	A	RFME	02-MAY-89
P207989	TRG	SEP0789BR0306	THALLIUM	2.4	UG/G		U	R	2.4	A	RFME	02-MAY-89
P208889	TRG	SEP1689BR0410	THALLIUM	2.5	UG/G		U	A	2.5	A	RFME	09-MAY-89
P208889	TRG	SEP1689BR1016	THALLIUM	2.3	UG/G		U	A	2.3	A	RFME	09-MAY-89
P208889	TRG	GSEP16890989001	THALLIUM	.0100	MG/L		U		10.0		RFMS	17-OCT-89
P208989	TRG	SEP1789BR0915	THALLIUM	2.4	UG/G		U	V	2.4	A	RFME	12-MAY-89
P208989	TRG	SEP1789BR0003	THALLIUM	2.3	UG/G		U	V	2.3	A	RFME	12-MAY-89
P208989	TRG	SEP1789BR0309	THALLIUM	2.5	UG/G		U	A	2.5	A	RFME	12-MAY-89
P209089	TRG	SEP1889BR1218	THALLIUM	2.4	UG/G		U	V	2.4	A	RFME	17-MAY-89
P209089	TRG	SEP1889BR1218D	THALLIUM	2.3	UG/G		U	V	2.3	A	RFME	17-MAY-89
P209089	TRG	SEP1889BR1824	THALLIUM	2.3	UG/G		U	V	2.3	A	RFME	17-MAY-89
P209089	TRG	SEP1889BR0309	THALLIUM	2.4	UG/G		U	A	2.4	A	RFME	17-MAY-89
P209189	TRG	SEP1989BR0309	THALLIUM	2.3	UG/G		U		2.3		RFME	25-MAY-89
P209189	TRG	SEP1989BR1622D	THALLIUM	2.4	UG/G		U		2.4		RFME	25-MAY-89
P209189	TRG	SEP1989BR1016	THALLIUM	2.3	UG/G		U		2.3		RFME	25-MAY-89
P209189	TRG	SEP1989BR1622	THALLIUM	2.4	UG/G		U		2.4		RFME	25-MAY-89
P209189	TRG	GSEP19890989001D	THALLIUM	.0100	MG/L		U		10.0		RFMS	27-SEP-89
P209189	TRG	GSEP19890989001	THALLIUM	.0100	MG/L		U		10.0		RFMS	27-SEP-89
P209289	TRG	SEP20890003	THALLIUM	1.9	UG/G		U	V	1.9	A	RFME	08-JUN-89
P209289	TRG	SEP20891418	THALLIUM	2.5	UG/G		U	V	2.5	A	RFME	08-JUN-89
P209289	TRG	SEP20890912	THALLIUM	1.9	UG/G		U	V	1.9	A	RFME	08-JUN-89
P209289	TRG	SEP20890309	THALLIUM	2.0	UG/G		U	V	2.0	A	RFME	08-JUN-89
P209389	TRG	SEP2189BR0309	THALLIUM	1.9	UG/G		U	R	1.9	A	RFME	07-JUN-89
P209389	TRG	SEP2189BR2026	THALLIUM	1.8	UG/G		U	R	1.8	A	RFME	07-JUN-89
P209389	TRG	SEP2189BR1420	THALLIUM	2.2	UG/G		U	R	2.2	A	RFME	07-JUN-89
P209389	TRG	SEP2189BR0912	THALLIUM	2.1	UG/G		U	R	2.1	A	RFME	07-JUN-89
P209389	TRG	SEP2189BR2026D	THALLIUM	2.0	UG/G		U	R	2.0	A	RFME	07-JUN-89
P209389	TRG	GSEP21890989001	THALLIUM	.0100	MG/L		U		10.0		RFMS	18-SEP-89
P209489	TRG	SEP2289BR0307	THALLIUM	2.2	UG/G		U	R	2.2	A	RFME	16-MAY-89
P209489	TRG	SEP2289BR1621	THALLIUM	2.2	UG/G		U	R	2.2	A	RFME	16-MAY-89
P209489	TRG	SEP2289BR1416	THALLIUM	2.2	UG/G		U	R	2.2	A	RFME	16-MAY-89
P209489	TRG	SEP2289BR1213	THALLIUM	2.1	UG/G		U	R	2.1	A	RFME	16-MAY-89
P209489	TRG	SEP2289BR0912	THALLIUM	2.3	UG/G		U	R	2.3	A	RFME	16-MAY-89
P209589	TRG	SEP2389BR1015	THALLIUM	2.3	UG/G		U	A	2.3	A	RFME	10-MAY-89
P209589	TRG	SEP2389BR0004	THALLIUM	2.5	UG/G		U	A	2.5	A	RFME	10-MAY-89
P209589	TRG	SEP2389BR0410	THALLIUM	2.3	UG/G		U	A	2.3	A	RFME	10-MAY-89
P209689	TRG	SEP2489BR0612	THALLIUM	2.3	UG/G		U	R	2.3	A	RFME	03-MAY-89
P209689	TRG	SEP2489BR1824	THALLIUM	2.5	UG/G		U	R	2.5	A	RFME	03-MAY-89

Location ID		Proj_Sample_No	Chemical	Result	Unit	Err	Qual.	D.Lmt	VA	Group	Smpl Date
P209689	TRG	SEP2489BR1218	THALLIUM	2.3	UG/G		U	R 2.3	A	RFME	03-MAY-89
P209789	TRG	SEP25890006	THALLIUM	2.1	UG/G		U	2.1		RFME	04-MAY-89
P209789	TRG	SEP25890608	THALLIUM	2.2	UG/G		U	2.2		RFME	04-MAY-89
P209789	TRG	SEP25891216	THALLIUM	2.5	UG/G		U	2.5		RFME	04-MAY-89
P209789	TRG	GSEP25890989001	THALLIUM	.0100	MG/L		U	10.0		RFMS	13-SEP-89
P209789	TRG	GSEP25890989001D	THALLIUM	.0100	MG/L		U	10.0		RFMS	13-SEP-89
P209889	TRG	SEP2689BR1016	THALLIUM	2.4	UG/G		U	R 2.4	A	RFME	11-MAY-89
P209889	TRG	SEP2689BR0004	THALLIUM	2.4	UG/G		U	R 2.4	A	RFME	11-MAY-89
P209889	TRG	SEP2689BR0410	THALLIUM	2.4	UG/G		U	R 2.4	A	RFME	11-MAY-89
P209889	TRG	SEP2689BR0410D	THALLIUM	2.5	UG/G		U	R 2.5	A	RFME	11-MAY-89
P210189	TRG	SEP3089BR1521	THALLIUM	2.1	UG/G		U	V 2.1	A	RFME	19-MAY-89
P210189	TRG	SEP3089BR2127	THALLIUM	2.4	UG/G		U	V 2.4	A	RFME	19-MAY-89
P210189	TRG	SEP3089BR0309	THALLIUM	2.2	UG/G		U	V 2.2	A	RFME	19-MAY-89
P210189	TRG	SEP3089BR0915	THALLIUM	1.9	UG/G		U	V 1.9	A	RFME	19-MAY-89
P210189	TRG	GSEP30890989001	THALLIUM	.0100	MG/L		U	10.0		RFMS	28-SEP-89
P210289	TRG	SEP3189BR0306	THALLIUM	2.3	UG/G		U	V 2.3	A	RFME	15-MAY-89
P210289	TRG	SEP3189BR1319	THALLIUM	2.5	UG/G		U	V 2.5	A	RFME	15-MAY-89
P210289	TRG	SEP3189BR0713	THALLIUM	2.3	UG/G		U	V 2.3	A	RFME	15-MAY-89
P210289	TRG	GSEP31890989001	THALLIUM	.0100	MG/L		U	10.0		RFMS	25-SEP-89
P207389	TRG	SEP0189BR0307	TIN	23.4	UG/G			19.4		RFME	05-JUN-89
P207389	TRG	SEP0189BR0713	TIN	23.5	UG/G		U	V 23.5	A	RFME	05-JUN-89
P207389	TRG	SEP0189BR1319	TIN	22.7	UG/G		U	V 22.7	A	RFME	05-JUN-89
P207389	TRG	GSEP01890989001	TIN	.100	MG/L		U	100		RFMS	21-SEP-89
P207489	TRG	SEP02890003	TIN	21.7	UG/G		U	R 21.7	A	RFME	06-JUN-89
P207489	TRG	SEP02890306	TIN	84.2	UG/G			A 19.2	A	RFME	06-JUN-89
P207489	TRG	SEP02890610	TIN	21.5	UG/G			A 18.4	A	RFME	06-JUN-89
P207489	TRG	GSEP02890989001	TIN	.100	MG/L		U	100		RFMS	20-SEP-89
P207589	TRG	SEP0389BR1521	TIN	23.3	UG/G		U	V 23.3	A	RFME	18-MAY-89
P207589	TRG	SEP0389BR0309	TIN	22.9	UG/G		U	V 22.9	A	RFME	18-MAY-89
P207589	TRG	SEP0389BR0915	TIN	25.1	UG/G		U	V 25.1	A	RFME	18-MAY-89
P207689	TRG	SEP04890006D	TIN	23.0	UG/G		U	V 23.0	A	RFME	05-MAY-89
P207689	TRG	SEP04890612	TIN	24.5	UG/G		U	V 24.5	A	RFME	05-MAY-89
P207689	TRG	SEP04891215	TIN	23.9	UG/G		U	V 23.9	A	RFME	05-MAY-89
P207689	TRG	GSEP04890989001	TIN	.126	MG/L			A 100	A	RFMS	14-SEP-89
P207789	TRG	SEP0589BR0006	TIN	23.3	UG/G		U	V 23.3	A	RFME	05-MAY-89
P207789	TRG	SEP0589BR0613	TIN	22.6	UG/G		U	V 22.6	A	RFME	05-MAY-89
P207789	TRG	SEP0589BR1824	TIN	23.4	UG/G		U	V 23.4	A	RFME	05-MAY-89
P207789	TRG	SEP0589BR1318	TIN	24.5	UG/G		U	V 24.5	A	RFME	05-MAY-89
P207889	TRG	SEP06890003	TIN	25.8	UG/G		U	V 25.8	A	RFME	01-MAY-89
P207889	TRG	SEP06890306D	TIN	24.0	UG/G		U	V 24.0	A	RFME	01-MAY-89
P207889	TRG	SEP06890306	TIN	23.8	UG/G		U	V 23.8	A	RFME	01-MAY-89
P207889	TRG	GSEP06890989001	TIN	.100	MG/L		U	V 100	A	RFMS	15-SEP-89
P207989	TRG	SEP0789BR0612	TIN	24.9	UG/G		U	A 24.9	A	RFME	02-MAY-89
P207989	TRG	SEP0789BR1218	TIN	23.5	UG/G		U	A 23.5	A	RFME	02-MAY-89
P207989	TRG	SEP0789BR0003	TIN	20.9	UG/G		U	A 20.9	A	RFME	02-MAY-89
P207989	TRG	SEP0789BR0306	TIN	23.1	UG/G		U	A 23.1	A	RFME	02-MAY-89
P208889	TRG	SEP1689BR0410	TIN	23.6	UG/G		U	V 23.6	A	RFME	09-MAY-89
P208889	TRG	SEP1689BR1016	TIN	22.7	UG/G		U	V 22.7	A	RFME	09-MAY-89
P208889	TRG	GSEP16890989001	TIN	.100	MG/L		U	100		RFMS	17-OCT-89
P208989	TRG	SEP1789BR0915	TIN	23.4	UG/G		U	V 23.4	A	RFME	12-MAY-89
P208989	TRG	SEP1789BR0003	TIN	22.3	UG/G		U	V 22.3	A	RFME	12-MAY-89
P208989	TRG	SEP1789BR0309	TIN	24.8	UG/G		U	V 24.8	A	RFME	12-MAY-89
P209089	TRG	SEP1889BR1218	TIN	24.3	UG/G		U	V 24.3	A	RFME	17-MAY-89
P209089	TRG	SEP1889BR1218D	TIN	24.0	UG/G		U	V 24.0	A	RFME	17-MAY-89
P209089	TRG	SEP1889BR1824	TIN	23.1	UG/G		U	V 23.1	A	RFME	17-MAY-89
P209089	TRG	SEP1889BR0309	TIN	24.7	UG/G		U	V 24.7	A	RFME	17-MAY-89
P209189	TRG	SEP1989BR0309	TIN	23.1	UG/G		U	23.1		RFME	25-MAY-89
P209189	TRG	SEP1989BR1016	TIN	23.0	UG/G		U	23.0		RFME	25-MAY-89

Location	ID	Proj_Sample_No	Chemical	Result	Unit	Err	Qual.	D.Lmt	VA	Group	Smpl Date
P209189	TRG	SEP1989BR1622	TIN	24.3	UG/G		U	24.3		RFME	25-MAY-89
P209189	TRG	SEP1989BR1622D	TIN	24.7	UG/G		U	24.7		RFME	25-MAY-89
P209189	TRG	GSEP19890989001D	TIN	.100	MG/L		U	100		RFMS	27-SEP-89
P209189	TRG	GSEP19890989001	TIN	.100	MG/L		U	100		RFMS	27-SEP-89
P209289	TRG	SEP20890003	TIN	23.3	UG/G			A 21.8	A	RFME	08-JUN-89
P209289	TRG	SEP20891418	TIN	18.2	UG/G		U	V 18.2	A	RFME	08-JUN-89
P209289	TRG	SEP20890912	TIN	23.0	UG/G		U	V 23.0	A	RFME	08-JUN-89
P209289	TRG	SEP20890309	TIN	33.0	UG/G			A 22.6	A	RFME	08-JUN-89
P209389	TRG	SEP2189BR0309	TIN	35.8	UG/G			A 21.0	A	RFME	07-JUN-89
P209389	TRG	SEP2189BR0912	TIN	29.5	UG/G			A 22.2	A	RFME	07-JUN-89
P209389	TRG	SEP2189BR2026D	TIN	19.4	UG/G		U	V 19.4	A	RFME	07-JUN-89
P209389	TRG	SEP2189BR1420	TIN	21.2	UG/G		U	V 21.2	A	RFME	07-JUN-89
P209389	TRG	SEP2189BR2026	TIN	15.8	UG/G		U	V 15.8	A	RFME	07-JUN-89
P209389	TRG	GSEP21890989001	TIN	.100	MG/L		U	100		RFMS	18-SEP-89
P209489	TRG	SEP2289BR0307	TIN	21.2	UG/G		U	R 21.2	A	RFME	16-MAY-89
P209489	TRG	SEP2289BR0912	TIN	22.9	UG/G		U	R 22.9	A	RFME	16-MAY-89
P209489	TRG	SEP2289BR1213	TIN	22.0	UG/G		U	R 22.0	A	RFME	16-MAY-89
P209489	TRG	SEP2289BR1621	TIN	22.6	UG/G		U	R 22.6	A	RFME	16-MAY-89
P209489	TRG	SEP2289BR1416	TIN	22.0	UG/G		U	R 22.0	A	RFME	16-MAY-89
P209589	TRG	SEP2389BR0004	TIN	25.0	UG/G		U	V 25.0	A	RFME	10-MAY-89
P209589	TRG	SEP2389BR0410	TIN	23.2	UG/G		U	V 23.2	A	RFME	10-MAY-89
P209589	TRG	SEP2389BR1015	TIN	22.6	UG/G		U	V 22.6	A	RFME	10-MAY-89
P209689	TRG	SEP2489BR0612	TIN	23.2	UG/G		U	A 23.2	A	RFME	03-MAY-89
P209689	TRG	SEP2489BR1218	TIN	23.9	UG/G		U	A 23.9	A	RFME	03-MAY-89
P209689	TRG	SEP2489BR1824	TIN	24.4	UG/G		U	A 24.4	A	RFME	03-MAY-89
P209789	TRG	SEP25890006	TIN	22.4	UG/G		U	22.4		RFME	04-MAY-89
P209789	TRG	SEP25890608	TIN	22.0	UG/G		U	22.0		RFME	04-MAY-89
P209789	TRG	SEP25891216	TIN	25.0	UG/G		U	25.0		RFME	04-MAY-89
P209789	TRG	GSEP25890989001	TIN	.100	MG/L		U	100		RFMS	13-SEP-89
P209789	TRG	GSEP25890989001D	TIN	.100	MG/L		U	100		RFMS	13-SEP-89
P209889	TRG	SEP2689BR0004	TIN	23.6	UG/G		U	V 23.6	A	RFME	11-MAY-89
P209889	TRG	SEP2689BR0410	TIN	24.3	UG/G		U	V 24.3	A	RFME	11-MAY-89
P209889	TRG	SEP2689BR1016	TIN	22.9	UG/G		U	V 22.9	A	RFME	11-MAY-89
P209889	TRG	SEP2689BR0410D	TIN	25.0	UG/G		U	V 25.0	A	RFME	11-MAY-89
P210189	TRG	SEP3089BR1521	TIN	32.8	UG/G			V 22.8	A	RFME	19-MAY-89
P210189	TRG	SEP3089BR2127	TIN	34.2	UG/G			V 21.4	A	RFME	19-MAY-89
P210189	TRG	SEP3089BR0309	TIN	43.7	UG/G			V 21.9	A	RFME	19-MAY-89
P210189	TRG	SEP3089BR0915	TIN	18.6	UG/G		U	V 18.6	A	RFME	19-MAY-89
P210189	TRG	GSEP30890989001	TIN	.100	MG/L		U	100		RFMS	28-SEP-89
P210289	TRG	SEP3189BR0306	TIN	23.1	UG/G		U	V 23.1	A	RFME	15-MAY-89
P210289	TRG	SEP3189BR0713	TIN	23.6	UG/G		U	V 23.6	A	RFME	15-MAY-89
P210289	TRG	SEP3189BR1319	TIN	24.2	UG/G		U	V 24.2	A	RFME	15-MAY-89
P210289	TRG	GSEP31890989001	TIN	.107	MG/L			100		RFMS	25-SEP-89
P207389	TRG	SEP0189BR0307	VANADIUM	18.6	UG/G			9.7		RFME	05-JUN-89
P207389	TRG	SEP0189BR0713	VANADIUM	15.9	UG/G			A 1.8	A	RFME	05-JUN-89
P207389	TRG	SEP0189BR1319	VANADIUM	21.3	UG/G			V 11.3	A	RFME	05-JUN-89
P207389	TRG	GSEP01890989001	VANADIUM	.0500	MG/L		U	50.0		RFMS	21-SEP-89
P207489	TRG	SEP02890003	VANADIUM	21.2	UG/G			V 10.8	A	RFME	06-JUN-89
P207489	TRG	SEP02890610	VANADIUM	9.2	UG/G		U	V 9.2	A	RFME	06-JUN-89
P207489	TRG	SEP02890306	VANADIUM	64.3	UG/G			V 9.6	A	RFME	06-JUN-89
P207489	TRG	GSEP02890989001	VANADIUM	.0500	MG/L		U	50.0		RFMS	20-SEP-89
P207589	TRG	SEP0389BR1521	VANADIUM	27.9	UG/G			A 11.7	A	RFME	18-MAY-89
P207589	TRG	SEP0389BR0309	VANADIUM	17.5	UG/G			A 11.5	A	RFME	18-MAY-89
P207589	TRG	SEP0389BR0915	VANADIUM	45.5	UG/G			A 12.6	A	RFME	18-MAY-89
P207689	TRG	SEP04890006D	VANADIUM	25.5	UG/G			A 11.5	A	RFME	05-MAY-89
P207689	TRG	SEP04890612	VANADIUM	20.2	UG/G			A 12.3	A	RFME	05-MAY-89
P207689	TRG	SEP04891215	VANADIUM	22.8	UG/G			A 11.9	A	RFME	05-MAY-89
P207689	TRG	GSEP04890989001	VANADIUM	.0500	MG/L		U	V 50.0	A	RFMS	14-SEP-89

Location ID		Proj_Sample_No	Chemical	Result	Unit	Err	Qual.	D.Lmt	VA	Group	Smpl Date
P207789	TRG	SEP0589BR0006	VANADIUM	27.5	UG/G			A 11.7	A	RFME	05-MAY-89
P207789	TRG	SEP0589BR1824	VANADIUM	14.4	UG/G			A 11.7	A	RFME	05-MAY-89
P207789	TRG	SEP0589BR1318	VANADIUM	34.5	UG/G			A 12.2	A	RFME	05-MAY-89
P207789	TRG	SEP0589BR0613	VANADIUM	16.6	UG/G			A 11.3	A	RFME	05-MAY-89
P207889	TRG	SEP06890306D	VANADIUM	13.1	UG/G			A 12.0	A	RFME	01-MAY-89
P207889	TRG	SEP06890003	VANADIUM	58.7	UG/G			A 12.9	A	RFME	01-MAY-89
P207889	TRG	SEP06890306	VANADIUM	20.2	UG/G			A 11.9	A	RFME	01-MAY-89
P207889	TRG	GSEP06890989001	VANADIUM	.0500	MG/L		U	V 50.0	A	RFMS	15-SEP-89
P207989	TRG	SEP0789BR0612	VANADIUM	68.9	UG/G			A 12.4	A	RFME	02-MAY-89
P207989	TRG	SEP0789BR1218	VANADIUM	27.8	UG/G			A 11.8	A	RFME	02-MAY-89
P207989	TRG	SEP0789BR0003	VANADIUM	24.3	UG/G			A 10.4	A	RFME	02-MAY-89
P207989	TRG	SEP0789BR0306	VANADIUM	26.9	UG/G			A 11.5	A	RFME	02-MAY-89
P208889	TRG	SEP1689BR0410	VANADIUM	17.5	UG/G			V 11.8	A	RFME	09-MAY-89
P208889	TRG	SEP1689BR1016	VANADIUM	11.3	UG/G		U	V 11.3	A	RFME	09-MAY-89
P208889	TRG	GSEP16890989001	VANADIUM	.0500	MG/L		U	50.0		RFMS	17-OCT-89
P208989	TRG	SEP1789BR0915	VANADIUM	11.7	UG/G		U	V 11.7	A	RFME	12-MAY-89
P208989	TRG	SEP1789BR0003	VANADIUM	21.4	UG/G			V 11.2	A	RFME	12-MAY-89
P208989	TRG	SEP1789BR0309	VANADIUM	16.7	UG/G			V 12.4	A	RFME	12-MAY-89
P209089	TRG	SEP1889BR1218	VANADIUM	19.9	UG/G			V 12.2	A	RFME	17-MAY-89
P209089	TRG	SEP1889BR1218D	VANADIUM	24.4	UG/G			V 12.0	A	RFME	17-MAY-89
P209089	TRG	SEP1889BR1824	VANADIUM	13.5	UG/G			V 11.6	A	RFME	17-MAY-89
P209089	TRG	SEP1889BR0309	VANADIUM	34.7	UG/G			A 12.3	A	RFME	17-MAY-89
P209189	TRG	SEP1989BR0309	VANADIUM	31.2	UG/G			11.5		RFME	25-MAY-89
P209189	TRG	SEP1989BR1622	VANADIUM	23.5	UG/G			12.1		RFME	25-MAY-89
P209189	TRG	SEP1989BR1622D	VANADIUM	19.0	UG/G			12.3		RFME	25-MAY-89
P209189	TRG	SEP1989BR1016	VANADIUM	23.4	UG/G			11.5		RFME	25-MAY-89
P209189	TRG	GSEP19890989001D	VANADIUM	.0500	MG/L		U	50.0		RFMS	27-SEP-89
P209189	TRG	GSEP19890989001	VANADIUM	.0500	MG/L		U	50.0		RFMS	27-SEP-89
P209289	TRG	SEP20890003	VANADIUM	36.5	UG/G			V 10.9	A	RFME	08-JUN-89
P209289	TRG	SEP20891418	VANADIUM	60.5	UG/G			A 9.1	A	RFME	08-JUN-89
P209289	TRG	SEP20890912	VANADIUM	21.6	UG/G			V 11.5	A	RFME	08-JUN-89
P209289	TRG	SEP20890309	VANADIUM	20.8	UG/G			V 11.3	A	RFME	08-JUN-89
P209389	TRG	SEP2189BR0309	VANADIUM	83.9	UG/G			A 10.5	A	RFME	07-JUN-89
P209389	TRG	SEP2189BR2026D	VANADIUM	18.4	UG/G			V 9.7	A	RFME	07-JUN-89
P209389	TRG	SEP2189BR2026	VANADIUM	13.6	UG/G			V 7.9	A	RFME	07-JUN-89
P209389	TRG	SEP2189BR0912	VANADIUM	11.5	UG/G			V 11.1	A	RFME	07-JUN-89
P209389	TRG	SEP2189BR1420	VANADIUM	22.0	UG/G			V 10.6	A	RFME	07-JUN-89
P209389	TRG	GSEP21890989001	VANADIUM	.0500	MG/L		U	50.0		RFMS	18-SEP-89
P209489	TRG	SEP2289BR0307	VANADIUM	16.7	UG/G			V 10.6	A	RFME	16-MAY-89
P209489	TRG	SEP2289BR0912	VANADIUM	23.8	UG/G			V 11.4	A	RFME	16-MAY-89
P209489	TRG	SEP2289BR1416	VANADIUM	14.9	UG/G			V 11.0	A	RFME	16-MAY-89
P209489	TRG	SEP2289BR1621	VANADIUM	11.3	UG/G		U	V 11.3	A	RFME	16-MAY-89
P209489	TRG	SEP2289BR1213	VANADIUM	51.8	UG/G			V 11.0	A	RFME	16-MAY-89
P209589	TRG	SEP2389BR1015	VANADIUM	16.2	UG/G			V 11.3	A	RFME	10-MAY-89
P209589	TRG	SEP2389BR0004	VANADIUM	30.2	UG/G			V 12.5	A	RFME	10-MAY-89
P209589	TRG	SEP2389BR0410	VANADIUM	11.8	UG/G			V 11.6	A	RFME	10-MAY-89
P209689	TRG	SEP2489BR0612	VANADIUM	17.5	UG/G			A 11.6	A	RFME	03-MAY-89
P209689	TRG	SEP2489BR1218	VANADIUM	110	UG/G			A 11.9	A	RFME	03-MAY-89
P209689	TRG	SEP2489BR1824	VANADIUM	33.4	UG/G			A 12.2	A	RFME	03-MAY-89
P209789	TRG	SEP25890006	VANADIUM	13.6	UG/G			11.2		RFME	04-MAY-89
P209789	TRG	SEP25890608	VANADIUM	11.0	UG/G		U	11.0		RFME	04-MAY-89
P209789	TRG	SEP25891216	VANADIUM	17.0	UG/G			12.5		RFME	04-MAY-89
P209789	TRG	GSEP25890989001	VANADIUM	.0500	MG/L		U	50.0		RFMS	13-SEP-89
P209789	TRG	GSEP25890989001D	VANADIUM	.0500	MG/L		U	50.0		RFMS	13-SEP-89
P209889	TRG	SEP2689BR0004	VANADIUM	29.7	UG/G			V 11.8	A	RFME	11-MAY-89
P209889	TRG	SEP2689BR0410D	VANADIUM	15.1	UG/G			V 12.5	A	RFME	11-MAY-89
P209889	TRG	SEP2689BR0410	VANADIUM	26.2	UG/G			V 12.2	A	RFME	11-MAY-89
P209889	TRG	SEP2689BR1016	VANADIUM	23.7	UG/G			V 11.5	A	RFME	11-MAY-89

Location ID	Proj_Sample_No	Chemical	Result	Unit	Err	Qual.	D.Lmt	VA	Group	Smpl Date
P210189 TRG	SEP3089BR1521	VANADIUM	31.2	UG/G			V 11.4	A	RFME	19-MAY-89
P210189 TRG	SEP3089BR2127	VANADIUM	58.4	UG/G			V 10.7	A	RFME	19-MAY-89
P210189 TRG	SEP3089BR0309	VANADIUM	20.5	UG/G			V 11.0	A	RFME	19-MAY-89
P210189 TRG	SEP3089BR0915	VANADIUM	9.3	UG/G		U	V 9.3	A	RFME	19-MAY-89
P210189 TRG	GSEP30890989001	VANADIUM	.0500	MG/L		U	50.0		RFMS	28-SEP-89
P210289 TRG	SEP3189BR0306	VANADIUM	47.0	UG/G			V 11.5	A	RFME	15-MAY-89
P210289 TRG	SEP3189BR1319	VANADIUM	26.5	UG/G			V 12.1	A	RFME	15-MAY-89
P210289 TRG	SEP3189BR0713	VANADIUM	21.9	UG/G			V 11.8	A	RFME	15-MAY-89
P210289 TRG	GSEP31890989001	VANADIUM	.0500	MG/L		U	50.0		RFMS	25-SEP-89
P207389 TRG	SEP0189BR0307	ZINC	32.2	UG/G			3.9		RFME	05-JUN-89
P207389 TRG	SEP0189BR1319	ZINC	46.5	UG/G			A 4.5	A	RFME	05-JUN-89
P207389 TRG	SEP0189BR0713	ZINC	27.6	UG/G			A 4.7	A	RFME	05-JUN-89
P207389 TRG	GSEP01890989001	ZINC	.0200	MG/L		U	20.0		RFMS	21-SEP-89
P207489 TRG	SEP02890003	ZINC	41.9	UG/G			4.3	A	RFME	06-JUN-89
P207489 TRG	SEP02890306	ZINC	62.1	UG/G			3.8	A	RFME	06-JUN-89
P207489 TRG	SEP02890610	ZINC	23.3	UG/G			3.7	A	RFME	06-JUN-89
P207489 TRG	GSEP02890989001	ZINC	.0251	MG/L			20.0		RFMS	20-SEP-89
P207589 TRG	SEP0389BR1521	ZINC	38.0	UG/G			A 4.7	A	RFME	18-MAY-89
P207589 TRG	SEP0389BR0309	ZINC	13.7	UG/G			A 4.6	A	RFME	18-MAY-89
P207589 TRG	SEP0389BR0915	ZINC	124	UG/G			A 5.0	A	RFME	18-MAY-89
P207689 TRG	SEP048900060	ZINC	4.6	UG/G		U	R 4.6	A	RFME	05-MAY-89
P207689 TRG	SEP04891215	ZINC	10.1	UG/G			A 4.8	A	RFME	05-MAY-89
P207689 TRG	SEP04890612	ZINC	9.4	UG/G			A 4.9	A	RFME	05-MAY-89
P207689 TRG	GSEP04890989001	ZINC	.0487	MG/L			A 20.0	A	RFMS	14-SEP-89
P207789 TRG	SEP0589BR0006	ZINC	4.7	UG/G		U	R 4.7	A	RFME	05-MAY-89
P207789 TRG	SEP0589BR1318	ZINC	29.4	UG/G			A 4.9	A	RFME	05-MAY-89
P207789 TRG	SEP0589BR0613	ZINC	4.5	UG/G		U	R 4.5	A	RFME	05-MAY-89
P207789 TRG	SEP0589BR1824	ZINC	4.7	UG/G		U	A 4.7	A	RFME	05-MAY-89
P207889 TRG	SEP068903060	ZINC	10.1	UG/G			A 4.8	A	RFME	01-MAY-89
P207889 TRG	SEP06890003	ZINC	45.3	UG/G			A 5.2	A	RFME	01-MAY-89
P207889 TRG	SEP06890306	ZINC	13.0	UG/G			A 4.8	A	RFME	01-MAY-89
P207889 TRG	GSEP06890989001	ZINC	.0200	MG/L		U	A 20.0	A	RFMS	15-SEP-89
P207989 TRG	SEP0789BR0612	ZINC	93.4	UG/G			V 5.0	A	RFME	02-MAY-89
P207989 TRG	SEP0789BR1218	ZINC	41.4	UG/G			V 4.7	A	RFME	02-MAY-89
P207989 TRG	SEP0789BR0003	ZINC	4.2	UG/G		U	A 4.2	A	RFME	02-MAY-89
P207989 TRG	SEP0789BR0306	ZINC	4.6	UG/G		U	A 4.6	A	RFME	02-MAY-89
P208889 TRG	SEP1689BR0410	ZINC	29.2	UG/G			A 4.7	A	RFME	09-MAY-89
P208889 TRG	SEP1689BR1016	ZINC	37.9	UG/G			A 4.5	A	RFME	09-MAY-89
P208889 TRG	GSEP16890989001	ZINC	.0200	MG/L		U	20.0		RFMS	17-OCT-89
P208989 TRG	SEP1789BR0915	ZINC	11.2	UG/G			A 4.7	A	RFME	12-MAY-89
P208989 TRG	SEP1789BR0003	ZINC	34.0	UG/G			V 4.5	A	RFME	12-MAY-89
P208989 TRG	SEP1789BR0309	ZINC	56.2	UG/G			V 5.0	A	RFME	12-MAY-89
P209089 TRG	SEP1889BR1218	ZINC	36.5	UG/G			V 4.9	A	RFME	17-MAY-89
P209089 TRG	SEP1889BR1824	ZINC	101	UG/G			V 4.6	A	RFME	17-MAY-89
P209089 TRG	SEP1889BR1218D	ZINC	46.2	UG/G			V 4.8	A	RFME	17-MAY-89
P209089 TRG	SEP1889BR0309	ZINC	15.8	UG/G			V 4.9	A	RFME	17-MAY-89
P209189 TRG	SEP1989BR0309	ZINC	12.8	UG/G			4.6		RFME	25-MAY-89
P209189 TRG	SEP1989BR1622D	ZINC	32.6	UG/G			4.9		RFME	25-MAY-89
P209189 TRG	SEP1989BR1622	ZINC	35.9	UG/G			4.9		RFME	25-MAY-89
P209189 TRG	SEP1989BR1016	ZINC	17.7	UG/G			4.6		RFME	25-MAY-89
P209189 TRG	GSEP19890989001D	ZINC	.0200	MG/L		U	20.0		RFMS	27-SEP-89
P209189 TRG	GSEP19890989001	ZINC	.0587	MG/L			20.0		RFMS	27-SEP-89
P209289 TRG	SEP20890003	ZINC	41.6	UG/G			V 4.4	A	RFME	08-JUN-89
P209289 TRG	SEP20890309	ZINC	21.2	UG/G			V 4.5	A	RFME	08-JUN-89
P209289 TRG	SEP20891418	ZINC	90.9	UG/G			A 3.6	A	RFME	08-JUN-89
P209289 TRG	SEP20890912	ZINC	24.4	UG/G			V 4.6	A	RFME	08-JUN-89
P209389 TRG	SEP2189BR0309	ZINC	28.0	UG/G			A 4.2	A	RFME	07-JUN-89
P209389 TRG	SEP2189BR0912	ZINC	40.5	UG/G			V 4.4	A	RFME	07-JUN-89

Location	ID	Proj_Sample_No	Chemical	Result	Unit	Err	Qual.	D.Lmt	VA	Group	Smpl Date
P209389	TRG	SEP2189BR1420	ZINC	36.3	UG/G			V 4.2	A	RFME	07-JUN-89
P209389	TRG	SEP2189BR2026D	ZINC	59.8	UG/G			A 3.9	A	RFME	07-JUN-89
P209389	TRG	SEP2189BR2026	ZINC	50.2	UG/G			V 3.2	A	RFME	07-JUN-89
P209389	TRG	GSEP21890989001	ZINC	.0200	MG/L		U	20.0		RFMS	18-SEP-89
P209489	TRG	SEP2289BR0307	ZINC	8.4	UG/G			A 4.2	A	RFME	16-MAY-89
P209489	TRG	SEP2289BR1621	ZINC	16.3	UG/G			V 4.5	A	RFME	16-MAY-89
P209489	TRG	SEP2289BR1213	ZINC	25.3	UG/G			V 4.4	A	RFME	16-MAY-89
P209489	TRG	SEP2289BR1416	ZINC	35.8	UG/G			V 4.4	A	RFME	16-MAY-89
P209489	TRG	SEP2289BR0912	ZINC	19.3	UG/G			V 4.6	A	RFME	16-MAY-89
P209589	TRG	SEP2389BR1015	ZINC	40.6	UG/G			A 4.5	A	RFME	10-MAY-89
P209589	TRG	SEP2389BR0004	ZINC	23.5	UG/G			A 5.0	A	RFME	10-MAY-89
P209589	TRG	SEP2389BR0410	ZINC	24.1	UG/G			A 4.6	A	RFME	10-MAY-89
P209689	TRG	SEP2489BR0612	ZINC	4.6	UG/G		U	R 4.6	A	RFME	03-MAY-89
P209689	TRG	SEP2489BR1218	ZINC	487	UG/G			V 4.8	A	RFME	03-MAY-89
P209689	TRG	SEP2489BR1824	ZINC	50.6	UG/G			V 4.9	A	RFME	03-MAY-89
P209789	TRG	SEP25890006	ZINC	4.5	UG/G		U	4.5		RFME	04-MAY-89
P209789	TRG	SEP25891216	ZINC	5.0	UG/G		U	5.0		RFME	04-MAY-89
P209789	TRG	SEP25890608	ZINC	4.4	UG/G		U	4.4		RFME	04-MAY-89
P209789	TRG	GSEP25890989001	ZINC	.0200	MG/L		U	20.0		RFMS	13-SEP-89
P209789	TRG	GSEP25890989001D	ZINC	.0684	MG/L			20.0		RFMS	13-SEP-89
P209889	TRG	SEP2689BR1016	ZINC	45.3	UG/G			V 4.6	A	RFME	11-MAY-89
P209889	TRG	SEP2689BR0004	ZINC	32.5	UG/G			V 4.7	A	RFME	11-MAY-89
P209889	TRG	SEP2689BR0410D	ZINC	29.0	UG/G			V 5.0	A	RFME	11-MAY-89
P209889	TRG	SEP2689BR0410	ZINC	54.8	UG/G			V 4.9	A	RFME	11-MAY-89
P210189	TRG	SEP3089BR1521	ZINC	82.6	UG/G			A 4.6	A	RFME	19-MAY-89
P210189	TRG	SEP3089BR2127	ZINC	60.7	UG/G			A 4.3	A	RFME	19-MAY-89
P210189	TRG	SEP3089BR0309	ZINC	26.9	UG/G			A 4.4	A	RFME	19-MAY-89
P210189	TRG	SEP3089BR0915	ZINC	12.8	UG/G			A 3.7	A	RFME	19-MAY-89
P210189	TRG	GSEP30890989001	ZINC	.0611	MG/L			20.0		RFMS	28-SEP-89
P210289	TRG	SEP3189BR0306	ZINC	15.5	UG/G			V 4.6	A	RFME	15-MAY-89
P210289	TRG	SEP3189BR1319	ZINC	66.6	UG/G			V 4.8	A	RFME	15-MAY-89
P210289	TRG	SEP3189BR0713	ZINC	48.0	UG/G			V 4.7	A	RFME	15-MAY-89
P210289	TRG	GSEP31890989001	ZINC	.106	MG/L			20.0		RFMS	25-SEP-89

Location ID		Proj_Sample_No	Chemical	Result	Unit	Err	Qual.	D.Lmt	VA	Group	Smpl Date
P207389	TRG	GSEP01890989001	AMERICIUM-241	.184	PCI/L	.056		0		RFRS	21-SEP-89
P207689	TRG	GSEP0489098900	AMERICIUM-241	.096	PCI/L	.039		.023	A	RFRS	14-SEP-89
P207889	TRG	GSEP0689098900	AMERICIUM-241	.502	PCI/L	.111		.070	R	RFRS	19-SEP-89
P209189	TRG	GSEP19890989001D	AMERICIUM-241	.098	PCI/L	.037		0	R	RFRS	27-SEP-89
P209189	TRG	GSEP1989098900	AMERICIUM-241	.063	PCI/L	.025		.014	R	RFRS	27-SEP-89
P209489	TRG	GSEP2289098900	AMERICIUM-241	.570	PCI/L	.095		0	V	RFRS	20-SEP-89
P209789	TRG	GSEP25890989001	AMERICIUM-241	.023	PCI/L	.015		.010	A	RFRS	13-SEP-89
P209789	TRG	GSEP25890989001D	AMERICIUM-241	.044	PCI/L	.024		.020	A	RFRS	13-SEP-89
P210189	TRG	GSEP3089098900	AMERICIUM-241	.040	PCI/L	.025		.016	V	RFRS	28-SEP-89
P210289	TRG	GSEP31890989001	AMERICIUM-241	0.18	PCI/L	0.06			R	RFRS	25-SEP-89
P207389	TRG	GSEP01890989001	CESIUM-137	-.66	PCI/L	.74		1.33		RFRS	21-SEP-89
P207489	TRG	GSEP0289098900	CESIUM-137	0.23	PCI/L	0.58		0.93		RFRS	21-SEP-89
P207689	TRG	GSEP0489098900	CESIUM-137	.14	PCI/L	.87		1.40	A	RFRS	14-SEP-89
P207889	TRG	SEP06890003	CESIUM-137	0.0	PCI/G	0.1				RFRA	01-MAY-89
P207889	TRG	SEP06890306	CESIUM-137	0.0	PCI/G	0.1				RFRA	01-MAY-89
P207889	TRG	SEP068903060	CESIUM-137	0.0	PCI/G	0.1				RFRA	01-MAY-89
P207889	TRG	GSEP0689098900	CESIUM-137	-.25	PCI/L	.62		1.05	R	RFRS	19-SEP-89
P207989	TRG	SEP0789BR1218	CESIUM-137	0.0	PCI/G	0.1				RFRA	02-MAY-89
P207989	TRG	SEP0789BR0003	CESIUM-137	0.0	PCI/G	0.1				RFRA	02-MAY-89
P207989	TRG	SEP0789BR0306	CESIUM-137	0.0	PCI/G	0.1				RFRA	02-MAY-89
P207989	TRG	SEP0789BR0612	CESIUM-137	0.0	PCI/G	0.1				RFRA	02-MAY-89
P208889	TRG	SEP1689BR1016	CESIUM-137	0.0	PCI/G	0.1				RFRA	09-MAY-89
P208889	TRG	SEP1689BR0004	CESIUM-137	0.0	PCI/G	0.1				RFRA	09-MAY-89
P208889	TRG	SEP1689BR0410	CESIUM-137	0.0	PCI/G	0.1				RFRA	09-MAY-89
P208989	TRG	SEP1789BR0003	CESIUM-137	0.0	PCI/G	0.1				RFRA	12-MAY-89
P208989	TRG	SEP1789BR0309	CESIUM-137	0.0	PCI/G	0.1				RFRA	12-MAY-89
P208989	TRG	SEP1789BR0915	CESIUM-137	0.0	PCI/G	0.1				RFRA	12-MAY-89
P208989	TRG	GSEP17890989001	CESIUM-137	-0.22	PCI/L	0.55		0.94		RFRS	17-OCT-89
P209189	TRG	GSEP1989098900	CESIUM-137	-.76	PCI/L	.80		1.44	R	RFRS	27-SEP-89
P209189	TRG	GSEP19890989001D	CESIUM-137	.46	PCI/L	.67		1.01	R	RFRS	27-SEP-89
P209489	TRG	GSEP2289098900	CESIUM-137	.23	PCI/L	.57		.91	V	RFRS	20-SEP-89
P209589	TRG	SEP2389BR0004	CESIUM-137	0.0	PCI/G	0.1				RFRA	10-MAY-89
P209589	TRG	SEP2389BR0410	CESIUM-137	0.0	PCI/G	0.1				RFRA	10-MAY-89
P209589	TRG	SEP2389BR1015	CESIUM-137	0.0	PCI/G	0.1				RFRA	10-MAY-89
P209689	TRG	SEP2489BR1824	CESIUM-137	0.0	PCI/G	0.1				RFRA	03-MAY-89
P209689	TRG	SEP2489BR0006	CESIUM-137	0.0	PCI/G	0.1				RFRA	03-MAY-89
P209689	TRG	SEP2489BR0612	CESIUM-137	0.0	PCI/G	0.1				RFRA	03-MAY-89
P209689	TRG	SEP2489BR1218	CESIUM-137	0.0	PCI/G	0.1				RFRA	03-MAY-89
P209789	TRG	SEP25891216	CESIUM-137	0.0	PCI/G	0.1				RFRA	04-MAY-89
P209789	TRG	SEP25890006	CESIUM-137	0.0	PCI/G	0.1				RFRA	04-MAY-89
P209789	TRG	SEP25890812	CESIUM-137	0.0	PCI/G	0.1				RFRA	04-MAY-89
P209789	TRG	SEP25890608	CESIUM-137	0.0	PCI/G	0.1				RFRA	04-MAY-89
P209789	TRG	GSEP25890989001	CESIUM-137	-.49	PCI/L	.81		1.43	A	RFRS	13-SEP-89
P209789	TRG	GSEP25890989001D	CESIUM-137	-.49	PCI/L	.72		1.3	A	RFRS	13-SEP-89
P210189	TRG	GSEP3089098900	CESIUM-137	0.00	PCI/L	.75		1.24	V	RFRS	28-SEP-89
P207389	TRG	GSEP01890989001	GROSS ALPHA PARTICLE RADIOAC	9.5	PCI/L	1.5		1.0		RFRS	21-SEP-89
P207489	TRG	GSEP0289098900	GROSS ALPHA PARTICLE RADIOAC	4.0	PCI/L	1.3		1.3		RFRS	21-SEP-89
P207689	TRG	GSEP0489098900	GROSS ALPHA PARTICLE RADIOAC	21.5	PCI/L	4.5		4.2	A	RFRS	14-SEP-89
P207889	TRG	SEP06890003	GROSS ALPHA PARTICLE RADIOAC	10	PCI/G	8				RFRA	01-MAY-89
P207889	TRG	SEP06890306	GROSS ALPHA PARTICLE RADIOAC	0	PCI/G	7				RFRA	01-MAY-89
P207889	TRG	SEP068903060	GROSS ALPHA PARTICLE RADIOAC	1	PCI/G	8				RFRA	01-MAY-89
P207889	TRG	GSEP0689098900	GROSS ALPHA PARTICLE RADIOAC	21.1	PCI/L	4.1		2.7	R	RFRS	19-SEP-89
P207989	TRG	SEP0789BR1218	GROSS ALPHA PARTICLE RADIOAC	29	PCI/G	10				RFRA	02-MAY-89
P207989	TRG	SEP0789BR0003	GROSS ALPHA PARTICLE RADIOAC	19	PCI/G	9				RFRA	02-MAY-89
P207989	TRG	SEP0789BR0612	GROSS ALPHA PARTICLE RADIOAC	25	PCI/G	10				RFRA	02-MAY-89
P207989	TRG	SEP0789BR0306	GROSS ALPHA PARTICLE RADIOAC	12	PCI/G	9				RFRA	02-MAY-89
P207989	TRG	GSEP07890989001	GROSS ALPHA PARTICLE RADIOAC	-.12	PCI/L	.42			R	RFRS	14-SEP-89
P208889	TRG	SEP1689BR0410	GROSS ALPHA PARTICLE RADIOAC	18	PCI/G	9				RFRA	09-MAY-89

Location ID	--	Proj_Sample_No	Chemical	Result	Unit	Err	Qual.	D.Lmt	VA	Group	Smpl Date
P208889	TRG	SEP1689BR1016	GROSS ALPHA PARTICLE RADIOAC	28	PCI/G	10				RFRA	09-MAY-89
P208889	TRG	SEP1689BR0004	GROSS ALPHA PARTICLE RADIOAC	17	PCI/G	9				RFRA	09-MAY-89
P208889	TRG	GSEP16890989001	GROSS ALPHA PARTICLE RADIOAC	0.4	PCI/L	1.0		1.5		RFRS	17-OCT-89
P208989	TRG	SEP1789BR0003	GROSS ALPHA PARTICLE RADIOAC	36	PCI/G	16				RFRA	12-MAY-89
P208989	TRG	SEP1789BR0309	GROSS ALPHA PARTICLE RADIOAC	24	PCI/G	14				RFRA	12-MAY-89
P208989	TRG	SEP1789BR0915	GROSS ALPHA PARTICLE RADIOAC	37	PCI/G	16				RFRA	12-MAY-89
P208989	TRG	GSEP17890989001	GROSS ALPHA PARTICLE RADIOAC	46.9	PCI/L	19.0		22.3		RFRS	17-OCT-89
P209189	TRG	GSEP19890989001D	GROSS ALPHA PARTICLE RADIOAC	9.5	PCI/L	1.4		1.1	R	RFRS	27-SEP-89
P209189	TRG	GSEP1989098900	GROSS ALPHA PARTICLE RADIOAC	7.7	PCI/L	1.4		1.4	R	RFRS	27-SEP-89
P209489	TRG	GSEP2289098900	GROSS ALPHA PARTICLE RADIOAC	1.2	PCI/L	8.9		8.2	V	RFRS	20-SEP-89
P209589	TRG	SEP2389BR0004	GROSS ALPHA PARTICLE RADIOAC	20	PCI/G	9				RFRA	10-MAY-89
P209589	TRG	SEP2389BR0410	GROSS ALPHA PARTICLE RADIOAC	33	PCI/G	11				RFRA	10-MAY-89
P209589	TRG	SEP2389BR1015	GROSS ALPHA PARTICLE RADIOAC	17	PCI/G	8				RFRA	10-MAY-89
P209689	TRG	SEP2489BR1824	GROSS ALPHA PARTICLE RADIOAC	29	PCI/G	10				RFRA	03-MAY-89
P209689	TRG	SEP2489BR0006	GROSS ALPHA PARTICLE RADIOAC	14	PCI/G	9				RFRA	03-MAY-89
P209689	TRG	SEP2489BR0612	GROSS ALPHA PARTICLE RADIOAC	27	PCI/G	10				RFRA	03-MAY-89
P209689	TRG	SEP2489BR1218	GROSS ALPHA PARTICLE RADIOAC	27	PCI/G	10				RFRA	03-MAY-89
P209789	TRG	SEP25891216	GROSS ALPHA PARTICLE RADIOAC	25	PCI/G	10				RFRA	04-MAY-89
P209789	TRG	SEP25890006	GROSS ALPHA PARTICLE RADIOAC	20	PCI/G	9				RFRA	04-MAY-89
P209789	TRG	SEP25890608	GROSS ALPHA PARTICLE RADIOAC	17	PCI/G	9				RFRA	04-MAY-89
P209789	TRG	SEP25890812	GROSS ALPHA PARTICLE RADIOAC	19	PCI/G	9				RFRA	04-MAY-89
P209789	TRG	GSEP25890989001	GROSS ALPHA PARTICLE RADIOAC	3.1	PCI/L	1.2		1.3	A	RFRS	13-SEP-89
P209789	TRG	GSEP25890989001D	GROSS ALPHA PARTICLE RADIOAC	6.3	PCI/L	1.8		2.0	A	RFRS	13-SEP-89
P210189	TRG	GSEP3089098900	GROSS ALPHA PARTICLE RADIOAC	6.5	PCI/L	1.6		1.5	V	RFRS	28-SEP-89
P207389	TRG	GSEP01890989001	GROSS BETA PARTICLE RADIOACT	6.6	PCI/L	2.1		2.9		RFRS	21-SEP-89
P207489	TRG	GSEP0289098900	GROSS BETA PARTICLE RADIOACT	7.0	PCI/L	2.2		3.0		RFRS	21-SEP-89
P207689	TRG	GSEP0489098900	GROSS BETA PARTICLE RADIOACT	16.4	PCI/L	2.8		3.2	A	RFRS	14-SEP-89
P207889	TRG	SEP06890003	GROSS BETA PARTICLE RADIOACT	13	PCI/G	5				RFRA	01-MAY-89
P207889	TRG	SEP06890306	GROSS BETA PARTICLE RADIOACT	13	PCI/G	5				RFRA	01-MAY-89
P207889	TRG	SEP06890306D	GROSS BETA PARTICLE RADIOACT	11	PCI/G	5				RFRA	01-MAY-89
P207889	TRG	GSEP0689098900	GROSS BETA PARTICLE RADIOACT	20.4	PCI/L	3.1		3.4	R	RFRS	19-SEP-89
P207989	TRG	SEP0789BR0612	GROSS BETA PARTICLE RADIOACT	17	PCI/G	5				RFRA	02-MAY-89
P207989	TRG	SEP0789BR1218	GROSS BETA PARTICLE RADIOACT	28	PCI/G	6				RFRA	02-MAY-89
P207989	TRG	SEP0789BR0003	GROSS BETA PARTICLE RADIOACT	14	PCI/G	5				RFRA	02-MAY-89
P207989	TRG	SEP0789BR0306	GROSS BETA PARTICLE RADIOACT	25	PCI/G	6				RFRA	02-MAY-89
P207989	TRG	GSEP07890989001	GROSS BETA PARTICLE RADIOACT	.9	PCI/L	1.6			R	RFRS	14-SEP-89
P208889	TRG	SEP1689BR1016	GROSS BETA PARTICLE RADIOACT	29	PCI/G	6				RFRA	09-MAY-89
P208889	TRG	SEP1689BR0004	GROSS BETA PARTICLE RADIOACT	16	PCI/G	5				RFRA	09-MAY-89
P208889	TRG	SEP1689BR0410	GROSS BETA PARTICLE RADIOACT	25	PCI/G	6				RFRA	09-MAY-89
P208889	TRG	GSEP16890989001	GROSS BETA PARTICLE RADIOACT	7.5	PCI/L	2.3		3.1		RFRS	17-OCT-89
P208989	TRG	SEP1789BR0003	GROSS BETA PARTICLE RADIOACT	21	PCI/G	6				RFRA	12-MAY-89
P208989	TRG	SEP1789BR0915	GROSS BETA PARTICLE RADIOACT	26	PCI/G	6				RFRA	12-MAY-89
P208989	TRG	SEP1789BR0309	GROSS BETA PARTICLE RADIOACT	30	PCI/G	6				RFRA	12-MAY-89
P208989	TRG	GSEP17890989001	GROSS BETA PARTICLE RADIOACT	64.9	PCI/L	27.5		39.1		RFRS	17-OCT-89
P209189	TRG	GSEP19890989001D	GROSS BETA PARTICLE RADIOACT	35.3	PCI/L	3.3		2.8	R	RFRS	27-SEP-89
P209189	TRG	GSEP1989098900	GROSS BETA PARTICLE RADIOACT	10.5	PCI/L	2.3		2.8	R	RFRS	27-SEP-89
P209489	TRG	GSEP2289098900	GROSS BETA PARTICLE RADIOACT	154	PCI/L	7		4	V	RFRS	20-SEP-89
P209589	TRG	SEP2389BR0004	GROSS BETA PARTICLE RADIOACT	28	PCI/G	6				RFRA	10-MAY-89
P209589	TRG	SEP2389BR0410	GROSS BETA PARTICLE RADIOACT	29	PCI/G	6				RFRA	10-MAY-89
P209589	TRG	SEP2389BR1015	GROSS BETA PARTICLE RADIOACT	22	PCI/G	5				RFRA	10-MAY-89
P209689	TRG	SEP2489BR1218	GROSS BETA PARTICLE RADIOACT	23	PCI/G	6				RFRA	03-MAY-89
P209689	TRG	SEP2489BR1824	GROSS BETA PARTICLE RADIOACT	30	PCI/G	6				RFRA	03-MAY-89
P209689	TRG	SEP2489BR0006	GROSS BETA PARTICLE RADIOACT	24	PCI/G	6				RFRA	03-MAY-89
P209689	TRG	SEP2489BR0612	GROSS BETA PARTICLE RADIOACT	32	PCI/G	6				RFRA	03-MAY-89
P209789	TRG	SEP25890006	GROSS BETA PARTICLE RADIOACT	28	PCI/G	6				RFRA	04-MAY-89
P209789	TRG	SEP25890812	GROSS BETA PARTICLE RADIOACT	25	PCI/G	6				RFRA	04-MAY-89
P209789	TRG	SEP25891216	GROSS BETA PARTICLE RADIOACT	26	PCI/G	6				RFRA	04-MAY-89
P209789	TRG	SEP25890608	GROSS BETA PARTICLE RADIOACT	23	PCI/G	5				RFRA	04-MAY-89

Location ID		Proj_Sample_No	Chemical	Result	Unit	Err	Qual.	D.Lmt	VA	Group	Smpl Date
P209789	TRG	GSEP25890989001	GROSS BETA PARTICLE RADIOACT	3.4	PCI/L	1.9		2.8	A	RFRS	13-SEP-89
P209789	TRG	GSEP25890989001D	GROSS BETA PARTICLE RADIOACT	7.1	PCI/L	2.1		2.8	A	RFRS	13-SEP-89
P210189	TRG	GSEP3089098900	GROSS BETA PARTICLE RADIOACT	9.3	PCI/L	2.4		3.1	V	RFRS	28-SEP-89
P207389	TRG	GSEP01890989001	PLUTONIUM-239	.003	PCI/L	.004		.005		RFRS	21-SEP-89
P207489	TRG	GSEP0289098900	PLUTONIUM-239	0.005	PCI/L	0.006		0.007		RFRS	21-SEP-89
P207689	TRG	GSEP0489098900	PLUTONIUM-239	.195	PCI/L	.057		0	A	RFRS	14-SEP-89
P207889	TRG	SEP06890003	PLUTONIUM-239	0.02	PCI/G	0.02				RFRA	01-MAY-89
P207889	TRG	SEP06890306	PLUTONIUM-239	0.01	PCI/G	0.01				RFRA	01-MAY-89
P207889	TRG	SEP06890306D	PLUTONIUM-239	0.00	PCI/G	0.01				RFRA	01-MAY-89
P207889	TRG	GSEP0689098900	PLUTONIUM-239	.044	PCI/L	.036		.036	R	RFRS	19-SEP-89
P207989	TRG	SEP0789BR0612	PLUTONIUM-239	0.00	PCI/G	0.01				RFRA	02-MAY-89
P207989	TRG	SEP0789BR1218	PLUTONIUM-239	0.00	PCI/G	0.01				RFRA	02-MAY-89
P207989	TRG	SEP0789BR0306	PLUTONIUM-239	0.00	PCI/G	0.01				RFRA	02-MAY-89
P207989	TRG	SEP0789BR0003	PLUTONIUM-239	0.05	PCI/G	0.02				RFRA	02-MAY-89
P208889	TRG	SEP1689BR0004	PLUTONIUM-239	0.00	PCI/G	0.01				RFRA	09-MAY-89
P208889	TRG	SEP1689BR1016	PLUTONIUM-239	0.00	PCI/G	0.01				RFRA	09-MAY-89
P208889	TRG	SEP1689BR0410	PLUTONIUM-239	0.00	PCI/G	0.01				RFRA	09-MAY-89
P208989	TRG	SEP1789BR0003	PLUTONIUM-239	0.00	PCI/G	0.01				RFRA	12-MAY-89
P208989	TRG	SEP1789BR0915	PLUTONIUM-239	0.01	PCI/G	0.01				RFRA	12-MAY-89
P208989	TRG	SEP1789BR0309	PLUTONIUM-239	0.01	PCI/G	0.01				RFRA	12-MAY-89
P209189	TRG	GSEP19890989001D	PLUTONIUM-239	.202	PCI/L	.036		0	R	RFRS	27-SEP-89
P209189	TRG	GSEP1989098900	PLUTONIUM-239	.335	PCI/L	.034		.007	R	RFRS	27-SEP-89
P209489	TRG	GSEP2289098900	PLUTONIUM-239	.009	PCI/L	.032		.043	V	RFRS	20-SEP-89
P209589	TRG	SEP2389BR0004	PLUTONIUM-239	0.17	PCI/G	0.03				RFRA	10-MAY-89
P209589	TRG	SEP2389BR1015	PLUTONIUM-239	0.00	PCI/G	0.01				RFRA	10-MAY-89
P209589	TRG	SEP2389BR0410	PLUTONIUM-239	0.00	PCI/G	0.01				RFRA	10-MAY-89
P209689	TRG	SEP2489BR1218	PLUTONIUM-239	0.01	PCI/G	0.02				RFRA	03-MAY-89
P209689	TRG	SEP2489BR1824	PLUTONIUM-239	0.00	PCI/G	0.01				RFRA	03-MAY-89
P209689	TRG	SEP2489BR0006	PLUTONIUM-239	0.01	PCI/G	0.02				RFRA	03-MAY-89
P209689	TRG	SEP2489BR0612	PLUTONIUM-239	0.01	PCI/G	0.02				RFRA	03-MAY-89
P209789	TRG	SEP25890006	PLUTONIUM-239	0.03	PCI/G	0.02				RFRA	04-MAY-89
P209789	TRG	SEP25891216	PLUTONIUM-239	0.00	PCI/G	0.01				RFRA	04-MAY-89
P209789	TRG	SEP25890608	PLUTONIUM-239	0.00	PCI/G	0.01				RFRA	04-MAY-89
P209789	TRG	SEP25890812	PLUTONIUM-239	0.00	PCI/G	0.01				RFRA	04-MAY-89
P209789	TRG	GSEP25890989001	PLUTONIUM-239	.018	PCI/L	.016		0	A	RFRS	13-SEP-89
P209789	TRG	GSEP25890989001D	PLUTONIUM-239	.013	PCI/L	.020		.028	A	RFRS	13-SEP-89
P210189	TRG	GSEP3089098900	PLUTONIUM-239	.007	PCI/L	.006		0	V	RFRS	28-SEP-89
P210289	TRG	GSEP31890989001	PLUTONIUM-239	0.00	PCI/L	0.00			R	RFRS	25-SEP-89
P207389	TRG	GSEP01890989001	RADIUM-226	0.61	PCI/L	0.10		0.10		RFRS	21-SEP-89
P207689	TRG	GSEP0489098900	RADIUM-226	0.34	PCI/L	0.07		0.08	A	RFRS	14-SEP-89
P207689	TRG	GSEP04890989001	RADIUM-226	0.34	PCI/L	0.07		0.08		RFRS	14-SEP-89
P207889	TRG	SEP06890003	RADIUM-226	0.6	PCI/G	0.1				RFRA	01-MAY-89
P207889	TRG	SEP06890306D	RADIUM-226	0.5	PCI/G	0.1				RFRA	01-MAY-89
P207889	TRG	SEP06890306	RADIUM-226	0.7	PCI/G	0.1				RFRA	01-MAY-89
P207889	TRG	GSEP06890989001	RADIUM-226	0.87	PCI/L	0.11		0.10		RFRS	15-SEP-89
P207889	TRG	GSEP0689098900	RADIUM-226	0.87	PCI/L	0.11		0.08	R	RFRS	19-SEP-89
P207989	TRG	SEP0789BR0612	RADIUM-226	1.3	PCI/G	0.1				RFRA	02-MAY-89
P207989	TRG	SEP0789BR1218	RADIUM-226	1.0	PCI/G	0.1				RFRA	02-MAY-89
P207989	TRG	SEP0789BR0306	RADIUM-226	0.7	PCI/G	0.1				RFRA	02-MAY-89
P207989	TRG	SEP0789BR0003	RADIUM-226	0.7	PCI/G	0.1				RFRA	02-MAY-89
P208889	TRG	SEP1689BR0004	RADIUM-226	1.1	PCI/G	0.1				RFRA	09-MAY-89
P208889	TRG	SEP1689BR1016	RADIUM-226	0.7	PCI/G	0.1				RFRA	09-MAY-89
P208889	TRG	SEP1689BR0410	RADIUM-226	0.8	PCI/G	0.1				RFRA	09-MAY-89
P208989	TRG	SEP1789BR0003	RADIUM-226	0.9	PCI/G	0.1				RFRA	12-MAY-89
P208989	TRG	SEP1789BR0915	RADIUM-226	0.7	PCI/G	0.1				RFRA	12-MAY-89
P208989	TRG	SEP1789BR0309	RADIUM-226	1.1	PCI/G	0.1				RFRA	12-MAY-89
P209189	TRG	GSEP19890989001D	RADIUM-226	0.76	PCI/L	0.08		0.06		RFRS	27-SEP-89
P209189	TRG	GSEP19890989001D	RADIUM-226	0.76	PCI/L	0.08		0.06	R	RFRS	27-SEP-89

Location ID		Proj_Sample_No	Chemical	Result	Unit	Err	Qual.	D.Lmt	VA	Group	Smpl Date
P209189	TRG	GSEP1989098900	RADIUM-226	0.78	PCI/L	0.10		0.09	R	RFRS	27-SEP-89
P209189	TRG	GSEP19890989001	RADIUM-226	0.78	PCI/L	0.10		0.09		RFRS	27-SEP-89
P209489	TRG	GSEP2289098900	RADIUM-226	1.36	PCI/L	0.13		0.09	V	RFRS	20-SEP-89
P209489	TRG	GSEP22890989001	RADIUM-226	1.36	PCI/L	0.13		0.09		RFRS	20-SEP-89
P209589	TRG	SEP2389BR0004	RADIUM-226	1.1	PCI/G	0.1				RFRA	10-MAY-89
P209589	TRG	SEP2389BR0410	RADIUM-226	0.9	PCI/G	0.1				RFRA	10-MAY-89
P209589	TRG	SEP2389BR1015	RADIUM-226	1.0	PCI/G	0.1				RFRA	10-MAY-89
P209689	TRG	SEP2489BR1218	RADIUM-226	0.7	PCI/G	0.1				RFRA	03-MAY-89
P209689	TRG	SEP2489BR1824	RADIUM-226	1.0	PCI/G	0.1				RFRA	03-MAY-89
P209689	TRG	SEP2489BR0612	RADIUM-226	0.7	PCI/G	0.1				RFRA	03-MAY-89
P209689	TRG	SEP2489BR0006	RADIUM-226	0.6	PCI/G	0.1				RFRA	03-MAY-89
P209789	TRG	SEP25890006	RADIUM-226	0.8	PCI/G	0.1				RFRA	04-MAY-89
P209789	TRG	SEP25891216	RADIUM-226	0.9	PCI/G	0.1				RFRA	04-MAY-89
P209789	TRG	SEP25890608	RADIUM-226	0.6	PCI/G	0.1				RFRA	04-MAY-89
P209789	TRG	SEP25890812	RADIUM-226	0.6	PCI/G	0.1				RFRA	04-MAY-89
P209789	TRG	GSEP25890989001D	RADIUM-226	0.86	PCI/L	0.11		0.09		RFRS	13-SEP-89
P209789	TRG	GSEP25890989001D	RADIUM-226	0.86	PCI/L	0.11		0.09	A	RFRS	13-SEP-89
P210189	TRG	GSEP3089098900	RADIUM-226	0.58	PCI/L	0.09		0.10	V	RFRS	28-SEP-89
P210189	TRG	GSEP30890989001	RADIUM-226	0.58	PCI/L	0.09		0.10		RFRS	28-SEP-89
P207889	TRG	SEP06890003	RADIUM-228	1.4	PCI/G	0.2				RFRA	01-MAY-89
P207889	TRG	SEP06890306D	RADIUM-228	1.4	PCI/G	0.2				RFRA	01-MAY-89
P207889	TRG	SEP06890306	RADIUM-228	1.0	PCI/G	0.2				RFRA	01-MAY-89
P207989	TRG	SEP0789BR0612	RADIUM-228	1.3	PCI/G	0.2				RFRA	02-MAY-89
P207989	TRG	SEP0789BR1218	RADIUM-228	1.5	PCI/G	0.2				RFRA	02-MAY-89
P207989	TRG	SEP0789BR0306	RADIUM-228	1.7	PCI/G	0.2				RFRA	02-MAY-89
P207989	TRG	SEP0789BR0003	RADIUM-228	1.0	PCI/G	0.2				RFRA	02-MAY-89
P208889	TRG	SEP1689BR0004	RADIUM-228	1.1	PCI/G	0.2				RFRA	09-MAY-89
P208889	TRG	SEP1689BR0410	RADIUM-228	1.3	PCI/G	0.2				RFRA	09-MAY-89
P208889	TRG	SEP1689BR1016	RADIUM-228	1.5	PCI/G	0.2				RFRA	09-MAY-89
P208989	TRG	SEP1789BR0003	RADIUM-228	1.3	PCI/G	0.2				RFRA	12-MAY-89
P208989	TRG	SEP1789BR0915	RADIUM-228	1.8	PCI/G	0.2				RFRA	12-MAY-89
P208989	TRG	SEP1789BR0309	RADIUM-228	0.9	PCI/G	0.2				RFRA	12-MAY-89
P209589	TRG	SEP2389BR0004	RADIUM-228	1.5	PCI/G	0.2				RFRA	10-MAY-89
P209589	TRG	SEP2389BR1015	RADIUM-228	1.2	PCI/G	0.2				RFRA	10-MAY-89
P209589	TRG	SEP2389BR0410	RADIUM-228	1.5	PCI/G	0.2				RFRA	10-MAY-89
P209689	TRG	SEP2489BR1218	RADIUM-228	1.5	PCI/G	0.2				RFRA	03-MAY-89
P209689	TRG	SEP2489BR1824	RADIUM-228	1.4	PCI/G	0.2				RFRA	03-MAY-89
P209689	TRG	SEP2489BR0612	RADIUM-228	1.2	PCI/G	0.2				RFRA	03-MAY-89
P209689	TRG	SEP2489BR0006	RADIUM-228	0.9	PCI/G	0.2				RFRA	03-MAY-89
P209789	TRG	SEP25890006	RADIUM-228	1.4	PCI/G	0.2				RFRA	04-MAY-89
P209789	TRG	SEP25890608	RADIUM-228	1.4	PCI/G	0.2				RFRA	04-MAY-89
P209789	TRG	SEP25890812	RADIUM-228	1.4	PCI/G	0.2				RFRA	04-MAY-89
P209789	TRG	SEP25891216	RADIUM-228	1.5	PCI/G	0.2				RFRA	04-MAY-89
P207389	TRG	GSEP01890989001	STRONTIUM-90	.58	PCI/L	.33		.46		RFRS	21-SEP-89
P207489	TRG	GSEP0289098900	STRONTIUM-90	0.40	PCI/L	0.37		0.56		RFRS	21-SEP-89
P207689	TRG	GSEP0489098900	STRONTIUM-90	.57	PCI/L	.33		.47	A	RFRS	14-SEP-89
P207889	TRG	SEP06890003	STRONTIUM-90	-0.1	PCI/G	0.4				RFRA	01-MAY-89
P207889	TRG	SEP06890306	STRONTIUM-90	-0.6	PCI/G	0.7				RFRA	01-MAY-89
P207889	TRG	SEP06890306D	STRONTIUM-90	-0.3	PCI/G	0.4				RFRA	01-MAY-89
P207889	TRG	GSEP0689098900	STRONTIUM-90	-.07	PCI/L	.30		.51	R	RFRS	19-SEP-89
P207989	TRG	SEP0789BR0612	STRONTIUM-90	-0.4	PCI/G	0.5				RFRA	02-MAY-89
P207989	TRG	SEP0789BR1218	STRONTIUM-90	-0.1	PCI/G	0.5				RFRA	02-MAY-89
P207989	TRG	SEP0789BR0003	STRONTIUM-90	-0.2	PCI/G	0.4				RFRA	02-MAY-89
P207989	TRG	SEP0789BR0306	STRONTIUM-90	-0.1	PCI/G	0.2				RFRA	02-MAY-89
P208889	TRG	SEP1689BR0004	STRONTIUM-90	-0.4	PCI/G	0.5				RFRA	09-MAY-89
P208889	TRG	SEP1689BR0410	STRONTIUM-90	-0.3	PCI/G	0.5				RFRA	09-MAY-89
P208889	TRG	SEP1689BR1016	STRONTIUM-90	0.0	PCI/G	0.6				RFRA	09-MAY-89
P208989	TRG	SEP1789BR0003	STRONTIUM-90	-0.2	PCI/G	0.4				RFRA	12-MAY-89

Location ID		Proj_Sample_No	Chemical	Result	Unit	Err	Qual.	D.Lmt	VA	Group	Smpl Date
P208989	TRG	SEP1789BR0309	STRONTIUM-90	0.0	PCI/G	0.6				RFRA	12-MAY-89
P208989	TRG	SEP1789BR0915	STRONTIUM-90	0.1	PCI/G	0.6				RFRA	12-MAY-89
P208989	TRG	GSEP17890989001	STRONTIUM-90	0.23	PCI/L	0.38		0.60		RFRS	17-OCT-89
P209189	TRG	GSEP1989098900	STRONTIUM-90	.41	PCI/L	.30		.44	R	RFRS	27-SEP-89
P209189	TRG	GSEP19890989001D	STRONTIUM-90	.11	PCI/L	.28		.45	R	RFRS	27-SEP-89
P209489	TRG	GSEP2289098900	STRONTIUM-90	.05	PCI/L	.32		.52	V	RFRS	20-SEP-89
P209589	TRG	SEP2389BR0004	STRONTIUM-90	-0.2	PCI/G	0.5				RFRA	10-MAY-89
P209589	TRG	SEP2389BR0410	STRONTIUM-90	-0.2	PCI/G	0.6				RFRA	10-MAY-89
P209589	TRG	SEP2389BR1015	STRONTIUM-90	-0.3	PCI/G	0.7				RFRA	10-MAY-89
P209689	TRG	SEP2489BR1218	STRONTIUM-90	0.1	PCI/G	0.6				RFRA	03-MAY-89
P209689	TRG	SEP2489BR1824	STRONTIUM-90	-0.4	PCI/G	0.6				RFRA	03-MAY-89
P209689	TRG	SEP2489BR0006	STRONTIUM-90	-0.1	PCI/G	0.7				RFRA	03-MAY-89
P209689	TRG	SEP2489BR0612	STRONTIUM-90	0.0	PCI/G	0.5				RFRA	03-MAY-89
P209789	TRG	SEP25890006	STRONTIUM-90	-0.1	PCI/G	0.4				RFRA	04-MAY-89
P209789	TRG	SEP25890608	STRONTIUM-90	-0.5	PCI/G	0.5				RFRA	04-MAY-89
P209789	TRG	SEP25890812	STRONTIUM-90	-0.2	PCI/G	0.6				RFRA	04-MAY-89
P209789	TRG	SEP25891216	STRONTIUM-90	-0.3	PCI/G	0.5				RFRA	04-MAY-89
P209789	TRG	GSEP25890989001	STRONTIUM-90	.48	PCI/L	.33		.48	A	RFRS	13-SEP-89
P209789	TRG	GSEP25890989001D	STRONTIUM-90	.28	PCI/L	.35		.54	A	RFRS	13-SEP-89
P210189	TRG	GSEP3089098900	STRONTIUM-90	.20	PCI/L	.32		.50	V	RFRS	28-SEP-89
P207389	TRG	GSEP01890989001	TRITIUM	720	PCI/L	260		390		RFRS	21-SEP-89
P207489	TRG	GSEP02890989001	TRITIUM	810	PCI/L	200		270		RFRS	20-SEP-89
P207489	TRG	GSEP0289098900	TRITIUM	810	PCI/L	200		270		RFRS	21-SEP-89
P207589	TRG	GSEP03890989001	TRITIUM	210	PCI/L	210		320		RFRS	20-OCT-89
P207689	TRG	GSEP0489098900	TRITIUM	700	PCI/L	250		390	A	RFRS	14-SEP-89
P207889	TRG	SEP06890003	TRITIUM	-0.09	PCI/ML	0.14				RFRA	01-MAY-89
P207889	TRG	SEP06890306	TRITIUM	-0.10	PCI/ML	0.15				RFRA	01-MAY-89
P207889	TRG	SEP06890306D	TRITIUM	-0.07	PCI/ML	0.15				RFRA	01-MAY-89
P207889	TRG	GSEP06890989001	TRITIUM	220	PCI/L	240		390		RFRS	15-SEP-89
P207889	TRG	GSEP0689098900	TRITIUM	220	PCI/L	240		390	R	RFRS	19-SEP-89
P207989	TRG	SEP0789BR1218	TRITIUM	-0.08	PCI/ML	0.15				RFRA	02-MAY-89
P207989	TRG	SEP0789BR0003	TRITIUM	-0.06	PCI/ML	0.15				RFRA	02-MAY-89
P207989	TRG	SEP0789BR0306	TRITIUM	0.15	PCI/ML	0.15				RFRA	02-MAY-89
P207989	TRG	SEP0789BR0612	TRITIUM	0.79	PCI/ML	0.17				RFRA	02-MAY-89
P207989	TRG	GSEP07890989001	TRITIUM	-220	PCI/L	230		400	R	RFRS	14-SEP-89
P208889	TRG	SEP1689BR0004	TRITIUM	16	PCI/ML	1				RFRA	09-MAY-89
P208889	TRG	SEP1689BR1016	TRITIUM	36	PCI/ML	1				RFRA	09-MAY-89
P208889	TRG	SEP1689BR0410	TRITIUM	30	PCI/ML	1				RFRA	09-MAY-89
P208889	TRG	GSEP16890989001	TRITIUM	20	PCI/L	200		320		RFRS	17-OCT-89
P208989	TRG	SEP1789BR0003	TRITIUM	0.67	PCI/ML	0.15				RFRA	12-MAY-89
P208989	TRG	SEP1789BR0309	TRITIUM	0.87	PCI/ML	0.16				RFRA	12-MAY-89
P208989	TRG	SEP1789BR0915	TRITIUM	0.63	PCI/ML	0.15				RFRA	12-MAY-89
P208989	TRG	GSEP17890989001	TRITIUM	1480	PCI/L	220		270		RFRS	17-OCT-89
P209089	TRG	GSEP18890989001	TRITIUM	190	PCI/L	210		330		RFRS	23-OCT-89
P209189	TRG	GSEP19890989001D	TRITIUM	680	PCI/L	270		400	R	RFRS	27-SEP-89
P209189	TRG	GSEP1989098900	TRITIUM	700	PCI/L	240		350	R	RFRS	27-SEP-89
P209489	TRG	GSEP2289098900	TRITIUM	1700	PCI/L	320		420	V	RFRS	20-SEP-89
P209589	TRG	SEP2389BR0004	TRITIUM	5.2	PCI/ML	0.2				RFRA	10-MAY-89
P209589	TRG	SEP2389BR1015	TRITIUM	12	PCI/ML	1				RFRA	10-MAY-89
P209589	TRG	SEP2389BR0410	TRITIUM	7.2	PCI/ML	0.2				RFRA	10-MAY-89
P209589	TRG	GSEP23890989001	TRITIUM	15020	PCI/L	560		310		RFRS	19-SEP-89
P209689	TRG	SEP2489BR1824	TRITIUM	0.05	PCI/ML	0.14				RFRA	03-MAY-89
P209689	TRG	SEP2489BR0006	TRITIUM	-0.01	PCI/ML	0.14				RFRA	03-MAY-89
P209689	TRG	SEP2489BR0612	TRITIUM	2.8	PCI/ML	0.2				RFRA	03-MAY-89
P209689	TRG	SEP2489BR1218	TRITIUM	2.0	PCI/ML	0.2				RFRA	03-MAY-89
P209789	TRG	SEP25890006	TRITIUM	-0.04	PCI/ML	0.14				RFRA	04-MAY-89
P209789	TRG	SEP25890608	TRITIUM	-0.15	PCI/ML	0.15				RFRA	04-MAY-89
P209789	TRG	SEP25891216	TRITIUM	1.5	PCI/ML	0.2				RFRA	04-MAY-89

Location ID		Proj_Sample_No	Chemical	Result	Unit	Err	Qual.	D.Lmt	VA	Group	Smpl Date
P209789	TRG	SEP25890812	TRITIUM	1.6	PCI/ML	0.2				RFRA	04-MAY-89
P209789	TRG	GSEP25890989001	TRITIUM	170	PCI/L	310		500	A	RFRS	13-SEP-89
P209789	TRG	GSEP25890989001D	TRITIUM	350	PCI/L	260		420	A	RFRS	13-SEP-89
P210189	TRG	GSEP3089098900	TRITIUM	1150	PCI/L	290		400	V	RFRS	28-SEP-89
P210289	TRG	GSEP31890989001	TRITIUM	-170	PCI/L	220		370	R	RFRS	25-SEP-89
P207389	TRG	GSEP01890989001	URANIUM, TOTAL	9.270						RFRS	21-SEP-89
P207689	TRG	GSEP0489098900	URANIUM, TOTAL	21.170					A	RFRS	14-SEP-89
P207889	TRG	SEP06890003	URANIUM, TOTAL	0.9000						RFRA	01-MAY-89
P207889	TRG	SEP06890306	URANIUM, TOTAL	1.1000						RFRA	01-MAY-89
P207889	TRG	SEP06890306D	URANIUM, TOTAL	1.3000						RFRA	01-MAY-89
P207889	TRG	GSEP0689098900	URANIUM, TOTAL	24.290					R	RFRS	19-SEP-89
P207989	TRG	SEP0789BR1218	URANIUM, TOTAL	2.1000						RFRA	02-MAY-89
P207989	TRG	SEP0789BR0003	URANIUM, TOTAL	1.2000						RFRA	02-MAY-89
P207989	TRG	SEP0789BR0306	URANIUM, TOTAL	2.3000						RFRA	02-MAY-89
P207989	TRG	SEP0789BR0612	URANIUM, TOTAL	3.7000						RFRA	02-MAY-89
P208889	TRG	SEP1689BR0004	URANIUM, TOTAL	2.3000						RFRA	09-MAY-89
P208889	TRG	SEP1689BR0410	URANIUM, TOTAL	1.8000						RFRA	09-MAY-89
P208889	TRG	SEP1689BR1016	URANIUM, TOTAL	1.9000						RFRA	09-MAY-89
P208889	TRG	GSEP16890989001	URANIUM, TOTAL	0.360						RFRS	17-OCT-89
P208989	TRG	SEP1789BR0003	URANIUM, TOTAL	1.5000						RFRA	12-MAY-89
P208989	TRG	SEP1789BR0915	URANIUM, TOTAL	1.9000						RFRA	12-MAY-89
P208989	TRG	SEP1789BR0309	URANIUM, TOTAL	2.0000						RFRA	12-MAY-89
P209189	TRG	GSEP19890989001D	URANIUM, TOTAL	11.030					R	RFRS	27-SEP-89
P209189	TRG	GSEP1989098900	URANIUM, TOTAL	10.360					R	RFRS	27-SEP-89
P209489	TRG	GSEP2289098900	URANIUM, TOTAL	62.750					V	RFRS	20-SEP-89
P209589	TRG	SEP2389BR0004	URANIUM, TOTAL	2.0000						RFRA	10-MAY-89
P209589	TRG	SEP2389BR0410	URANIUM, TOTAL	2.8000						RFRA	10-MAY-89
P209589	TRG	SEP2389BR1015	URANIUM, TOTAL	1.4000						RFRA	10-MAY-89
P209689	TRG	SEP2489BR1824	URANIUM, TOTAL	1.5000						RFRA	03-MAY-89
P209689	TRG	SEP2489BR0006	URANIUM, TOTAL	0.9000						RFRA	03-MAY-89
P209689	TRG	SEP2489BR0612	URANIUM, TOTAL	1.2000						RFRA	03-MAY-89
P209689	TRG	SEP2489BR1218	URANIUM, TOTAL	1.3000						RFRA	03-MAY-89
P209789	TRG	SEP25890006	URANIUM, TOTAL	0.8000						RFRA	04-MAY-89
P209789	TRG	SEP25891216	URANIUM, TOTAL	1.6000						RFRA	04-MAY-89
P209789	TRG	SEP25890812	URANIUM, TOTAL	0.9000						RFRA	04-MAY-89
P209789	TRG	SEP25890608	URANIUM, TOTAL	1.2000						RFRA	04-MAY-89
P209789	TRG	GSEP25890989001	URANIUM, TOTAL	6.230					A	RFRS	13-SEP-89
P209789	TRG	GSEP25890989001D	URANIUM, TOTAL	4.790					A	RFRS	13-SEP-89
P210189	TRG	GSEP3089098900	URANIUM, TOTAL	5.750					V	RFRS	28-SEP-89
P210289	TRG	GSEP31890989001	URANIUM, TOTAL	9.300					R	RFRS	25-SEP-89
P207389	TRG	GSEP01890989001	URANIUM-233,-234	6.18	PCI/L	1.40		.36		RFRS	21-SEP-89
P207489	TRG	GSEP0289098900	URANIUM-233,-234	1.82	PCI/L	0.78		0		RFRS	21-SEP-89
P207689	TRG	GSEP0489098900	URANIUM-233,-234	11.5	PCI/L	.7		0	A	RFRS	14-SEP-89
P207889	TRG	SEP06890003	URANIUM-233,-234	0.4	PCI/G	0.2				RFRA	01-MAY-89
P207889	TRG	SEP06890306	URANIUM-233,-234	0.4	PCI/G	0.2				RFRA	01-MAY-89
P207889	TRG	SEP06890306D	URANIUM-233,-234	0.8	PCI/G	0.2				RFRA	01-MAY-89
P207889	TRG	GSEP0689098900	URANIUM-233,-234	13.0	PCI/L	2.3		0	R	RFRS	19-SEP-89
P207989	TRG	SEP0789BR1218	URANIUM-233,-234	0.9	PCI/G	0.3				RFRA	02-MAY-89
P207989	TRG	SEP0789BR0003	URANIUM-233,-234	0.6	PCI/G	0.2				RFRA	02-MAY-89
P207989	TRG	SEP0789BR0306	URANIUM-233,-234	1.2	PCI/G	0.3				RFRA	02-MAY-89
P207989	TRG	SEP0789BR0612	URANIUM-233,-234	1.9	PCI/G	0.4				RFRA	02-MAY-89
P208889	TRG	SEP1689BR0004	URANIUM-233,-234	1.2	PCI/G	0.2				RFRA	09-MAY-89
P208889	TRG	SEP1689BR1016	URANIUM-233,-234	0.9	PCI/G	0.2				RFRA	09-MAY-89
P208889	TRG	SEP1689BR0410	URANIUM-233,-234	0.7	PCI/G	0.2				RFRA	09-MAY-89
P208889	TRG	GSEP16890989001	URANIUM-233,-234	0.22	PCI/L	0.32		0.33		RFRS	17-OCT-89
P208989	TRG	SEP1789BR0003	URANIUM-233,-234	0.8	PCI/G	0.2				RFRA	12-MAY-89
P208989	TRG	SEP1789BR0915	URANIUM-233,-234	0.4	PCI/G	0.2				RFRA	12-MAY-89
P208989	TRG	SEP1789BR0309	URANIUM-233,-234	0.8	PCI/G	0.2				RFRA	12-MAY-89

Location ID		Proj_Sample_No	Chemical	Result	Unit	Err	Qual.	D.Lmt	VA	Group	Smpl Date
P208989	TRG	GSEP17890989001	URANIUM-233,-234	62.6	PCI/L	4.7		0.41		RFRS	17-OCT-89
P209189	TRG	GSEP1989098900	URANIUM-233,-234	4.52	PCI/L	1.06		0	R	RFRS	27-SEP-89
P209189	TRG	GSEP19890989001D	URANIUM-233,-234	5.21	PCI/L	1.15		.29	R	RFRS	27-SEP-89
P209489	TRG	GSEP2289098900	URANIUM-233,-234	32.4	PCI/L	3.4		.4	V	RFRS	20-SEP-89
P209589	TRG	SEP2389BR0004	URANIUM-233,-234	1.0	PCI/G	0.2				RFRA	10-MAY-89
P209589	TRG	SEP2389BR1015	URANIUM-233,-234	0.7	PCI/G	0.2				RFRA	10-MAY-89
P209589	TRG	SEP2389BR0410	URANIUM-233,-234	1.4	PCI/G	0.3				RFRA	10-MAY-89
P209689	TRG	SEP2489BR1824	URANIUM-233,-234	0.7	PCI/G	0.2				RFRA	03-MAY-89
P209689	TRG	SEP2489BR0006	URANIUM-233,-234	0.5	PCI/G	0.2				RFRA	03-MAY-89
P209689	TRG	SEP2489BR0612	URANIUM-233,-234	0.6	PCI/G	0.2				RFRA	03-MAY-89
P209689	TRG	SEP2489BR1218	URANIUM-233,-234	0.7	PCI/G	0.2				RFRA	03-MAY-89
P209789	TRG	SEP25890006	URANIUM-233,-234	0.2	PCI/G	0.2				RFRA	04-MAY-89
P209789	TRG	SEP25891216	URANIUM-233,-234	0.7	PCI/G	0.2				RFRA	04-MAY-89
P209789	TRG	SEP25890812	URANIUM-233,-234	0.4	PCI/G	0.2				RFRA	04-MAY-89
P209789	TRG	SEP25890608	URANIUM-233,-234	0.5	PCI/G	0.2				RFRA	04-MAY-89
P209789	TRG	GSEP25890989001	URANIUM-233,-234	3.45	PCI/L	.45		.07	A	RFRS	13-SEP-89
P209789	TRG	GSEP25890989001D	URANIUM-233,-234	2.87	PCI/L	.34		0	A	RFRS	13-SEP-89
P210189	TRG	GSEP3089098900	URANIUM-233,-234	3.74	PCI/L	1.08		.35	V	RFRS	28-SEP-89
P210289	TRG	GSEP31890989001	URANIUM-233,-234	6.2	PCI/L	1.4			R	RFRS	25-SEP-89
P207389	TRG	GSEP01890989001	URANIUM-235	.08	PCI/L	.27		0		RFRS	21-SEP-89
P207489	TRG	GSEP0289098900	URANIUM-235	0.08	PCI/L	0.29		0.39		RFRS	21-SEP-89
P207689	TRG	GSEP0489098900	URANIUM-235	.30	PCI/L	.11		0	A	RFRS	14-SEP-89
P207889	TRG	SEP06890003	URANIUM-235	0.0	PCI/G	0.1				RFRA	01-MAY-89
P207889	TRG	SEP06890306	URANIUM-235	0.0	PCI/G	0.1				RFRA	01-MAY-89
P207889	TRG	SEP06890306D	URANIUM-235	0.0	PCI/G	0.1				RFRA	01-MAY-89
P207889	TRG	GSEP0689098900	URANIUM-235	.39	PCI/L	.39		0	R	RFRS	19-SEP-89
P207989	TRG	SEP0789BR0612	URANIUM-235	0.1	PCI/G	0.1				RFRA	02-MAY-89
P207989	TRG	SEP0789BR1218	URANIUM-235	0.0	PCI/G	0.1				RFRA	02-MAY-89
P207989	TRG	SEP0789BR0003	URANIUM-235	0.0	PCI/G	0.1				RFRA	02-MAY-89
P207989	TRG	SEP0789BR0306	URANIUM-235	0.1	PCI/G	0.1				RFRA	02-MAY-89
P208889	TRG	SEP1689BR0410	URANIUM-235	0.0	PCI/G	0.1				RFRA	09-MAY-89
P208889	TRG	SEP1689BR1016	URANIUM-235	0.0	PCI/G	0.1				RFRA	09-MAY-89
P208889	TRG	SEP1689BR0004	URANIUM-235	0.0	PCI/G	0.1				RFRA	09-MAY-89
P208889	TRG	GSEP16890989001	URANIUM-235	0.07	PCI/L	0.14		0		RFRS	17-OCT-89
P208989	TRG	SEP1789BR0003	URANIUM-235	0.0	PCI/G	0.1				RFRA	12-MAY-89
P208989	TRG	SEP1789BR0915	URANIUM-235	0.2	PCI/G	0.1				RFRA	12-MAY-89
P208989	TRG	SEP1789BR0309	URANIUM-235	0.0	PCI/G	0.1				RFRA	12-MAY-89
P208989	TRG	GSEP17890989001	URANIUM-235	1.93	PCI/L	0.86		0.41		RFRS	17-OCT-89
P209189	TRG	GSEP19890989001D	URANIUM-235	.37	PCI/L	.30		0	R	RFRS	27-SEP-89
P209189	TRG	GSEP1989098900	URANIUM-235	.13	PCI/L	.18		0	R	RFRS	27-SEP-89
P209489	TRG	GSEP2289098900	URANIUM-235	1.95	PCI/L	.87		.41	V	RFRS	20-SEP-89
P209589	TRG	SEP2389BR0004	URANIUM-235	0.1	PCI/G	0.1				RFRA	10-MAY-89
P209589	TRG	SEP2389BR0410	URANIUM-235	0.1	PCI/G	0.1				RFRA	10-MAY-89
P209589	TRG	SEP2389BR1015	URANIUM-235	0.0	PCI/G	0.1				RFRA	10-MAY-89
P209689	TRG	SEP2489BR1218	URANIUM-235	0.0	PCI/G	0.1				RFRA	03-MAY-89
P209689	TRG	SEP2489BR1824	URANIUM-235	0.0	PCI/G	0.1				RFRA	03-MAY-89
P209689	TRG	SEP2489BR0006	URANIUM-235	0.0	PCI/G	0.1				RFRA	03-MAY-89
P209689	TRG	SEP2489BR0612	URANIUM-235	0.0	PCI/G	0.1				RFRA	03-MAY-89
P209789	TRG	SEP25890006	URANIUM-235	0.1	PCI/G	0.1				RFRA	04-MAY-89
P209789	TRG	SEP25890608	URANIUM-235	0.1	PCI/G	0.1				RFRA	04-MAY-89
P209789	TRG	SEP25890812	URANIUM-235	0.0	PCI/G	0.1				RFRA	04-MAY-89
P209789	TRG	SEP25891216	URANIUM-235	0.0	PCI/G	0.1				RFRA	04-MAY-89
P209789	TRG	GSEP25890989001	URANIUM-235	.26	PCI/L	.12		0	A	RFRS	13-SEP-89
P209789	TRG	GSEP25890989001D	URANIUM-235	.09	PCI/L	.06		0	A	RFRS	13-SEP-89
P210189	TRG	GSEP3089098900	URANIUM-235	.07	PCI/L	.26		.35	V	RFRS	28-SEP-89
P210289	TRG	GSEP31890989001	URANIUM-235	0.1	PCI/L	0.3			R	RFRS	25-SEP-89
P207389	TRG	GSEP01890989001	URANIUM-238	3.01	PCI/L	1.01		.51		RFRS	21-SEP-89
P207489	TRG	GSEP0289098900	URANIUM-238	1.98	PCI/L	0.81		0		RFRS	21-SEP-89

Location	ID	Proj_Sample_No	Chemical	Result	Unit	Err	Qual.	D.Lmt	VA	Group	Smpl Date
P207689	TRG	GSEP0489098900	URANIUM-238	9.37	PCI/L	.62		0	A	RFRS	14-SEP-89
P207889	TRG	SEP06890003	URANIUM-238	0.5	PCI/G	0.2				RFRA	01-MAY-89
P207889	TRG	SEP06890306D	URANIUM-238	0.5	PCI/G	0.1				RFRA	01-MAY-89
P207889	TRG	SEP06890306	URANIUM-238	0.7	PCI/G	0.2				RFRA	01-MAY-89
P207889	TRG	GSEP0689098900	URANIUM-238	10.9	PCI/L	2.1		.5	R	RFRS	19-SEP-89
P207989	TRG	SEP0789BR0612	URANIUM-238	1.7	PCI/G	0.4				RFRA	02-MAY-89
P207989	TRG	SEP0789BR1218	URANIUM-238	1.2	PCI/G	0.3				RFRA	02-MAY-89
P207989	TRG	SEP0789BR0003	URANIUM-238	0.6	PCI/G	0.2				RFRA	02-MAY-89
P207989	TRG	SEP0789BR0306	URANIUM-238	1.0	PCI/G	0.3				RFRA	02-MAY-89
P208889	TRG	SEP1689BR0410	URANIUM-238	1.1	PCI/G	0.2				RFRA	09-MAY-89
P208889	TRG	SEP1689BR1016	URANIUM-238	1.0	PCI/G	0.2				RFRA	09-MAY-89
P208889	TRG	SEP1689BR0004	URANIUM-238	1.1	PCI/G	0.2				RFRA	09-MAY-89
P208889	TRG	GSEP16890989001	URANIUM-238	0.07	PCI/L	0.14		0		RFRS	17-OCT-89
P208989	TRG	SEP1789BR0003	URANIUM-238	0.7	PCI/G	0.2				RFRA	12-MAY-89
P208989	TRG	SEP1789BR0309	URANIUM-238	1.2	PCI/G	0.3				RFRA	12-MAY-89
P208989	TRG	SEP1789BR0915	URANIUM-238	1.3	PCI/G	0.3				RFRA	12-MAY-89
P208989	TRG	GSEP17890989001	URANIUM-238	34.5	PCI/L	3.5		0.58		RFRS	17-OCT-89
P209189	TRG	GSEP19890989001D	URANIUM-238	5.45	PCI/L	1.16		0	R	RFRS	27-SEP-89
P209189	TRG	GSEP1989098900	URANIUM-238	5.71	PCI/L	1.2		0	R	RFRS	27-SEP-89
P209489	TRG	GSEP2289098900	URANIUM-238	28.4	PCI/L	3.2		0	V	RFRS	20-SEP-89
P209589	TRG	SEP2389BR0004	URANIUM-238	0.9	PCI/G	0.2				RFRA	10-MAY-89
P209589	TRG	SEP2389BR0410	URANIUM-238	1.3	PCI/G	0.3				RFRA	10-MAY-89
P209589	TRG	SEP2389BR1015	URANIUM-238	0.7	PCI/G	0.2				RFRA	10-MAY-89
P209689	TRG	SEP2489BR1218	URANIUM-238	0.6	PCI/G	0.2				RFRA	03-MAY-89
P209689	TRG	SEP2489BR1824	URANIUM-238	0.8	PCI/G	0.2				RFRA	03-MAY-89
P209689	TRG	SEP2489BR0006	URANIUM-238	0.4	PCI/G	0.1				RFRA	03-MAY-89
P209689	TRG	SEP2489BR0612	URANIUM-238	0.6	PCI/G	0.2				RFRA	03-MAY-89
P209789	TRG	SEP25890006	URANIUM-238	0.5	PCI/G	0.2				RFRA	04-MAY-89
P209789	TRG	SEP25890812	URANIUM-238	0.5	PCI/G	0.2				RFRA	04-MAY-89
P209789	TRG	SEP25891216	URANIUM-238	0.9	PCI/G	0.2				RFRA	04-MAY-89
P209789	TRG	SEP25890608	URANIUM-238	0.6	PCI/G	0.2				RFRA	04-MAY-89
P209789	TRG	GSEP25890989001	URANIUM-238	2.52	PCI/L	.38		.07	A	RFRS	13-SEP-89
P209789	TRG	GSEP25890989001D	URANIUM-238	1.83	PCI/L	.27		.07	A	RFRS	13-SEP-89
P210189	TRG	GSEP3089098900	URANIUM-238	1.94	PCI/L	.76		0	V	RFRS	28-SEP-89
P210289	TRG	GSEP31890989001	URANIUM-238	3.0	PCI/L	1.0			R	RFRS	25-SEP-89

Location ID		Proj_Sample_No	Chemical	Result	Unit	Err	Qual.	D.Lmt	VA	Group	Smpl Date
P207389	TRG	SEP0189BR0003	% SOLIDS	95.1	%					RFIN	05-JUN-89
P207389	TRG	SEP0189BR0307	% SOLIDS	91.0	%					RFIN	05-JUN-89
P207389	TRG	SEP0189BR0713	% SOLIDS	82.7	%					RFIN	05-JUN-89
P207389	TRG	SEP0189BR1319	% SOLIDS	81.3	%					RFIN	05-JUN-89
P207489	TRG	SEP02890003	% SOLIDS	83.3	%					RFIN	06-JUN-89
P207489	TRG	SEP02890306	% SOLIDS	88.2	%					RFIN	06-JUN-89
P207489	TRG	SEP02890610	% SOLIDS	84.0	%					RFIN	06-JUN-89
P207589	TRG	SEP0389BR0003	% SOLIDS	86.5	%					RFIN	18-MAY-89
P207589	TRG	SEP0389BR0309	% SOLIDS	87.4	%					RFIN	18-MAY-89
P207589	TRG	SEP0389BR1521	% SOLIDS	83.0	%					RFIN	18-MAY-89
P207589	TRG	SEP0389BR0915	% SOLIDS	79.6	%					RFIN	18-MAY-89
P207689	TRG	SEP04890006	% SOLIDS	88.7	%					RFIN	05-MAY-89
P207689	TRG	SEP04890006D	% SOLIDS	86.1	%					RFIN	05-MAY-89
P207689	TRG	SEP04890612	% SOLIDS	88.4	%					RFIN	05-MAY-89
P207689	TRG	SEP04891215	% SOLIDS	79.8	%					RFIN	05-MAY-89
P207789	TRG	SEP0589BR0006	% SOLIDS	85.6	%					RFIN	05-MAY-89
P207789	TRG	SEP0589BR0613	% SOLIDS	87.7	%					RFIN	05-MAY-89
P207789	TRG	SEP0589BR1824	% SOLIDS	79.9	%					RFIN	05-MAY-89
P207789	TRG	SEP0589BR1318	% SOLIDS	81.2	%					RFIN	05-MAY-89
P207889	TRG	SEP06890003	% SOLIDS	84.3	%					RFIN	01-MAY-89
P207889	TRG	SEP06890306	% SOLIDS	82.8	%					RFIN	01-MAY-89
P207889	TRG	SEP06890306D	% SOLIDS	84.5	%					RFIN	01-MAY-89
P207989	TRG	SEP0789BR0003	% SOLIDS	92.3	%					RFIN	02-MAY-89
P207989	TRG	SEP0789BR0306	% SOLIDS	86.5	%					RFIN	02-MAY-89
P207989	TRG	SEP0789BR0612	% SOLIDS	81.1	%					RFIN	02-MAY-89
P207989	TRG	SEP0789BR1218	% SOLIDS	83.2	%					RFIN	02-MAY-89
P208889	TRG	SEP1689BR0004	% SOLIDS	81.4	%					RFIN	09-MAY-89
P208889	TRG	SEP1689BR0410	% SOLIDS	83.9	%					RFIN	09-MAY-89
P208889	TRG	SEP1689BR1016	% SOLIDS	85.8	%					RFIN	09-MAY-89
P208989	TRG	SEP1789BR0003	% SOLIDS	84.9	%					RFIN	12-MAY-89
P208989	TRG	SEP1789BR0309	% SOLIDS	82.2	%					RFIN	12-MAY-89
P208989	TRG	SEP1789BR0915	% SOLIDS	83.9	%					RFIN	12-MAY-89
P209089	TRG	SEP1889BR1218D	% SOLIDS	82.2	%					RFIN	17-MAY-89
P209089	TRG	SEP1889BR1824	% SOLIDS	82.4	%					RFIN	17-MAY-89
P209089	TRG	SEP1889BR0003	% SOLIDS	91.8	%					RFIN	17-MAY-89
P209089	TRG	SEP1889BR0309	% SOLIDS	95.0	%					RFIN	17-MAY-89
P209089	TRG	SEP1889BR1218	% SOLIDS	83.4	%					RFIN	17-MAY-89
P209189	TRG	SEP1989BR0003	% SOLIDS	93.5	%					RFIN	25-MAY-89
P209189	TRG	SEP1989BR0309	% SOLIDS	84.0	%					RFIN	25-MAY-89
P209189	TRG	SEP1989BR1622	% SOLIDS	81.6	%					RFIN	25-MAY-89
P209189	TRG	SEP1989BR1016	% SOLIDS	82.8	%					RFIN	25-MAY-89
P209189	TRG	SEP1989BR1622D	% SOLIDS	80.5	%					RFIN	25-MAY-89
P209289	TRG	SEP20890003	% SOLIDS	89.9	%					RFIN	08-JUN-89
P209289	TRG	SEP20890309	% SOLIDS	90.0	%					RFIN	08-JUN-89
P209289	TRG	SEP20890912	% SOLIDS	92.2	%					RFIN	08-JUN-89
P209289	TRG	SEP20891418	% SOLIDS	82.9	%					RFIN	08-JUN-89
P209389	TRG	SEP2189BR0003	% SOLIDS	91.0	%					RFIN	07-JUN-89
P209389	TRG	SEP2189BR0309	% SOLIDS	92	%					RFIN	07-JUN-89
P209389	TRG	SEP2189BR1420	% SOLIDS	88.3	%					RFIN	07-JUN-89
P209389	TRG	SEP2189BR0912	% SOLIDS	87.2	%					RFIN	07-JUN-89
P209389	TRG	SEP2189BR2026D	% SOLIDS	86.6	%					RFIN	07-JUN-89
P209389	TRG	SEP2189BR2026	% SOLIDS	87.0	%					RFIN	07-JUN-89
P209489	TRG	SEP2289BR0003	% SOLIDS	91.1	%					RFIN	16-MAY-89
P209489	TRG	SEP2289BR0307	% SOLIDS	90.7	%					RFIN	16-MAY-89
P209489	TRG	SEP2289BR1213	% SOLIDS	88.6	%					RFIN	16-MAY-89
P209489	TRG	SEP2289BR0912	% SOLIDS	85.1	%					RFIN	16-MAY-89
P209489	TRG	SEP2289BR1416	% SOLIDS	86.6	%					RFIN	16-MAY-89
P209489	TRG	SEP2289BR1621	% SOLIDS	87.4	%					RFIN	16-MAY-89

Location ID		Proj_Sample_No	Chemical	Result	Unit	Err	Qual.	D.Lmt VA		Group	Smpl Date
P209589	TRG	SEP2389BR0410	% SOLIDS	81.7	%					RFIN	10-MAY-89
P209589	TRG	SEP2389BR1015	% SOLIDS	82.7	%					RFIN	10-MAY-89
P209689	TRG	SEP2489BR0006	% SOLIDS	89.3	%					RFIN	03-MAY-89
P209689	TRG	SEP2489BR0612	% SOLIDS	85.7	%					RFIN	03-MAY-89
P209689	TRG	SEP2489BR1824	% SOLIDS	81.7	%					RFIN	03-MAY-89
P209689	TRG	SEP2489BR1218	% SOLIDS	83.3	%					RFIN	03-MAY-89
P209789	TRG	SEP25890006	% SOLIDS	91.6	%					RFIN	04-MAY-89
P209789	TRG	SEP25890608	% SOLIDS	92.8	%					RFIN	04-MAY-89
P209789	TRG	SEP25891216	% SOLIDS	87.2	%					RFIN	04-MAY-89
P209789	TRG	SEP25890812	% SOLIDS	81.7	%					RFIN	04-MAY-89
P209889	TRG	SEP2689BR0004	% SOLIDS	81.5	%					RFIN	11-MAY-89
P209889	TRG	SEP2689BR0410	% SOLIDS	80.3	%					RFIN	11-MAY-89
P209889	TRG	SEP2689BR0410D	% SOLIDS	80.2	%					RFIN	11-MAY-89
P209889	TRG	SEP2689BR1016	% SOLIDS	83.7	%					RFIN	11-MAY-89
P210189	TRG	SEP3089BR0003	% SOLIDS	90.0	%					RFIN	19-MAY-89
P210189	TRG	SEP3089BR0309	% SOLIDS	92.7	%					RFIN	19-MAY-89
P210189	TRG	SEP3089BR0915	% SOLIDS	92.6	%					RFIN	19-MAY-89
P210189	TRG	SEP3089BR2127	% SOLIDS	82.4	%					RFIN	19-MAY-89
P210189	TRG	SEP3089BR1521	% SOLIDS	80.2	%					RFIN	19-MAY-89
P210289	TRG	SEP3189BR0003	% SOLIDS	86.1	%					RFIN	15-MAY-89
P210289	TRG	SEP3189BR0306	% SOLIDS	91.5	%					RFIN	15-MAY-89
P210289	TRG	SEP3189BR1319	% SOLIDS	80.8	%					RFIN	15-MAY-89
P210289	TRG	SEP3189BR0713	% SOLIDS	82.2	%					RFIN	15-MAY-89
P207989	TRG	GSEP07890989001	BICARBONATE	320	MG/L			V		RFIN	14-SEP-89
P208889	TRG	GSEP16890989001	BICARBONATE	5	MG/L		U	A		RFIN	17-OCT-89
P208989	TRG	GSEP17890989001	BICARBONATE	270	MG/L			A		RFIN	17-OCT-89
P209489	TRG	GSEP22890989001	BICARBONATE	370	MG/L			V		RFIN	20-SEP-89
P209589	TRG	GSEP23890989001	BICARBONATE	150	MG/L			A		RFIN	19-SEP-89
P209889	TRG	GSEP26890989001	BICARBONATE	220	MG/L			A		RFIN	18-OCT-89
P207989	TRG	GSEP07890989001	CARBONATE	5	MG/L		U	V		RFIN	14-SEP-89
P208889	TRG	GSEP16890989001	CARBONATE	24	MG/L			A		RFIN	17-OCT-89
P208989	TRG	GSEP17890989001	CARBONATE	5	MG/L		U	A		RFIN	17-OCT-89
P209489	TRG	GSEP22890989001	CARBONATE	5	MG/L		U	V		RFIN	20-SEP-89
P209589	TRG	GSEP23890989001	CARBONATE	5	MG/L		U	A		RFIN	19-SEP-89
P209889	TRG	GSEP26890989001	CARBONATE	5	MG/L		U	A		RFIN	18-OCT-89
P207989	TRG	GSEP07890989001	CHLORIDE	180	MG/L			V		RFIN	14-SEP-89
P208889	TRG	GSEP16890989001	CHLORIDE	39	MG/L			V		RFIN	17-OCT-89
P208989	TRG	GSEP17890989001	CHLORIDE	240	MG/L			V		RFIN	17-OCT-89
P209489	TRG	GSEP22890989001	CHLORIDE	93	MG/L			V		RFIN	20-SEP-89
P209589	TRG	GSEP23890989001	CHLORIDE	760	MG/L			V		RFIN	19-SEP-89
P209889	TRG	GSEP26890989001	CHLORIDE	520	MG/L			V		RFIN	18-OCT-89
P207389	TRG	SEP0189BR0003	NITRATE	23.4631						RFIN	05-JUN-89
P207389	TRG	SEP0189BR0307	NITRATE	4.8697			U			RFIN	05-JUN-89
P207389	TRG	SEP0189BR1319	NITRATE	5.3124			U			RFIN	05-JUN-89
P207389	TRG	SEP0189BR0713	NITRATE	5.3124			U			RFIN	05-JUN-89
P207489	TRG	SEP02890003	NITRATE	36.7441						RFIN	06-JUN-89
P207489	TRG	SEP02890610	NITRATE	5.3124			U			RFIN	06-JUN-89
P207489	TRG	SEP02890306	NITRATE	6.6405						RFIN	06-JUN-89
P207589	TRG	SEP0389BR0003	NITRATE	70.8320						RFIN	18-MAY-89
P207589	TRG	SEP0389BR0309	NITRATE	57.5510						RFIN	18-MAY-89
P207589	TRG	SEP0389BR1521	NITRATE	7.0832						RFIN	18-MAY-89
P207589	TRG	SEP0389BR0915	NITRATE	92.9670						RFIN	18-MAY-89
P207689	TRG	SEP04890006	NITRATE	27.8901						RFIN	05-MAY-89
P207689	TRG	SEP04890612	NITRATE	36.7441						RFIN	05-MAY-89
P207689	TRG	SEP04890006D	NITRATE	33.2025						RFIN	05-MAY-89
P207689	TRG	SEP04891215	NITRATE	32.7598						RFIN	05-MAY-89
P207789	TRG	SEP0589BR0006	NITRATE	61.9780						RFIN	05-MAY-89
P207789	TRG	SEP0589BR0613	NITRATE	15.9372						RFIN	05-MAY-89

Location ID		Proj_Sample_No	Chemical	Result	Unit	Err	Qual.	D.Lmt VA		Group	Smpl Date
P207789	TRG	SEP0589BR1318	NITRATE	16.3799						RFIN	05-MAY-89
P207789	TRG	SEP0589BR1824	NITRATE	19.4788						RFIN	05-MAY-89
P207889	TRG	SEP06890003	NITRATE	35.8587						RFIN	01-MAY-89
P207889	TRG	SEP06890306	NITRATE	28.3328						RFIN	01-MAY-89
P207889	TRG	SEP06890306D	NITRATE	33.2025						RFIN	01-MAY-89
P207989	TRG	SEP0789BR0003	NITRATE	33.6452						RFIN	02-MAY-89
P207989	TRG	SEP0789BR1218	NITRATE	11.0675						RFIN	02-MAY-89
P207989	TRG	SEP0789BR0612	NITRATE	28.7755						RFIN	02-MAY-89
P207989	TRG	SEP0789BR0306	NITRATE	21.6923						RFIN	02-MAY-89
P207989	TRG	GSEP07890989001	NITRATE	11.5102						RFIN	14-SEP-89
P208889	TRG	SEP1689BR0004	NITRATE	15051.80						RFIN	09-MAY-89
P208889	TRG	SEP1689BR0410	NITRATE	13281.00						RFIN	09-MAY-89
P208889	TRG	SEP1689BR1016	NITRATE	8411.300						RFIN	09-MAY-89
P208989	TRG	SEP1789BR0003	NITRATE	6.1978						RFIN	12-MAY-89
P208989	TRG	SEP1789BR0309	NITRATE	9.2967						RFIN	12-MAY-89
P208989	TRG	SEP1789BR0915	NITRATE	225.7770						RFIN	12-MAY-89
P209089	TRG	SEP1889BR0003	NITRATE	10.6248						RFIN	17-MAY-89
P209089	TRG	SEP1889BR0309	NITRATE	97.3940						RFIN	17-MAY-89
P209089	TRG	SEP1889BR1218	NITRATE	7.0832						RFIN	17-MAY-89
P209089	TRG	SEP1889BR1218D	NITRATE	699.4660						RFIN	17-MAY-89
P209089	TRG	SEP1889BR1824	NITRATE	805.7140						RFIN	17-MAY-89
P209189	TRG	SEP1989BR0003	NITRATE	154.9450						RFIN	25-MAY-89
P209189	TRG	SEP1989BR1622D	NITRATE	11.0675						RFIN	25-MAY-89
P209189	TRG	SEP1989BR1622	NITRATE	7.0832						RFIN	25-MAY-89
P209189	TRG	SEP1989BR0309	NITRATE	796.8600						RFIN	25-MAY-89
P209189	TRG	SEP1989BR1016	NITRATE	31.4317						RFIN	25-MAY-89
P209289	TRG	SEP20890003	NITRATE	92.9670						RFIN	08-JUN-89
P209289	TRG	SEP20890309	NITRATE	48.6970						RFIN	08-JUN-89
P209289	TRG	SEP20890912	NITRATE	9.7394						RFIN	08-JUN-89
P209289	TRG	SEP20891418	NITRATE	5.3124			U			RFIN	08-JUN-89
P209389	TRG	SEP2189BR0003	NITRATE	17.7080						RFIN	07-JUN-89
P209389	TRG	SEP2189BR0309	NITRATE	7.9686						RFIN	07-JUN-89
P209389	TRG	SEP2189BR0912	NITRATE	11.5102						RFIN	07-JUN-89
P209389	TRG	SEP2189BR1420	NITRATE	4.8697			U			RFIN	07-JUN-89
P209389	TRG	SEP2189BR2026D	NITRATE	6.1978						RFIN	07-JUN-89
P209389	TRG	SEP2189BR2026	NITRATE	5.7551						RFIN	07-JUN-89
P209489	TRG	SEP2289BR0003	NITRATE	41.1711						RFIN	16-MAY-89
P209489	TRG	SEP2289BR1621	NITRATE	17.7080						RFIN	16-MAY-89
P209489	TRG	SEP2289BR1416	NITRATE	33.6452						RFIN	16-MAY-89
P209489	TRG	SEP2289BR1213	NITRATE	70.8320						RFIN	16-MAY-89
P209489	TRG	SEP2289BR0307	NITRATE	137.2370						RFIN	16-MAY-89
P209489	TRG	SEP2289BR0912	NITRATE	141.6640						RFIN	16-MAY-89
P209489	TRG	GSEP22890989001	NITRATE	1770.800						RFIN	20-SEP-89
P209589	TRG	SEP2389BR0410	NITRATE	2479.120						RFIN	10-MAY-89
P209589	TRG	SEP2389BR1015	NITRATE	5755.100						RFIN	10-MAY-89
P209689	TRG	SEP2489BR1824	NITRATE	22.5777						RFIN	03-MAY-89
P209689	TRG	SEP2489BR0006	NITRATE	9.7394						RFIN	03-MAY-89
P209689	TRG	SEP2489BR1218	NITRATE	190.3610						RFIN	03-MAY-89
P209689	TRG	SEP2489BR0612	NITRATE	123.9560						RFIN	03-MAY-89
P209789	TRG	SEP25890006	NITRATE	16.8226						RFIN	04-MAY-89
P209789	TRG	SEP25890812	NITRATE	53.1240						RFIN	04-MAY-89
P209789	TRG	SEP25891216	NITRATE	21.6923						RFIN	04-MAY-89
P209789	TRG	SEP25890608	NITRATE	14.1664						RFIN	04-MAY-89
P209889	TRG	SEP2689BR0004	NITRATE	2789.010						RFIN	11-MAY-89
P209889	TRG	SEP2689BR0410	NITRATE	6197.800						RFIN	11-MAY-89
P209889	TRG	SEP2689BR0410D	NITRATE	5312.400						RFIN	11-MAY-89
P209889	TRG	SEP2689BR1016	NITRATE	3231.710						RFIN	11-MAY-89
P210189	TRG	SEP3089BR0003	NITRATE	1859.340						RFIN	19-MAY-89

Location ID		Proj_Sample_No	Chemical	Result	Unit	Err	Qual.	D.Lmt	VA	Group	Smpl Date
P210189	TRG	SEP3089BR0309	NITRATE	664.0500						RFIN	19-MAY-89
P210189	TRG	SEP3089BR2127	NITRATE	43.3846						RFIN	19-MAY-89
P210189	TRG	SEP3089BR1521	NITRATE	61.9780						RFIN	19-MAY-89
P210189	TRG	SEP3089BR0915	NITRATE	15.0518						RFIN	19-MAY-89
P210289	TRG	SEP3189BR0003	NITRATE	92.9670						RFIN	15-MAY-89
P210289	TRG	SEP3189BR1319	NITRATE	5.3124			U			RFIN	15-MAY-89
P210289	TRG	SEP3189BR0713	NITRATE	34.5306						RFIN	15-MAY-89
P210289	TRG	SEP3189BR0306	NITRATE	57.5510						RFIN	15-MAY-89
P207389	TRG	SEP0189BR0003	NITRATE/NITRITE	5.3	MG/KG				V	RFIN	05-JUN-89
P207389	TRG	SEP0189BR0713	NITRATE/NITRITE	1.2	MG/KG		U		V	RFIN	05-JUN-89
P207389	TRG	SEP0189BR0307	NITRATE/NITRITE	1.1	MG/KG		U		V	RFIN	05-JUN-89
P207389	TRG	SEP0189BR1319	NITRATE/NITRITE	1.2	MG/KG		U		V	RFIN	05-JUN-89
P207489	TRG	SEP02890003	NITRATE/NITRITE	8.3	MG/KG				V	RFIN	06-JUN-89
P207489	TRG	SEP02890306	NITRATE/NITRITE	1.5	MG/KG				V	RFIN	06-JUN-89
P207489	TRG	SEP02890610	NITRATE/NITRITE	1.2	MG/KG		U		V	RFIN	06-JUN-89
P207589	TRG	SEP0389BR0003	NITRATE/NITRITE	16	MG/KG				V	RFIN	18-MAY-89
P207589	TRG	SEP0389BR0309	NITRATE/NITRITE	13	MG/KG				V	RFIN	18-MAY-89
P207589	TRG	SEP0389BR0915	NITRATE/NITRITE	21	MG/KG				V	RFIN	18-MAY-89
P207589	TRG	SEP0389BR1521	NITRATE/NITRITE	1.6	MG/KG				V	RFIN	18-MAY-89
P207689	TRG	SEP04890006	NITRATE/NITRITE	6.3	MG/KG					RFIN	05-MAY-89
P207689	TRG	SEP04890006D	NITRATE/NITRITE	7.5	MG/KG					RFIN	05-MAY-89
P207689	TRG	SEP04890612	NITRATE/NITRITE	8.3	MG/KG					RFIN	05-MAY-89
P207689	TRG	SEP04891215	NITRATE/NITRITE	7.4	MG/KG					RFIN	05-MAY-89
P207789	TRG	SEP0589BR1318	NITRATE/NITRITE	3.7	MG/KG					RFIN	05-MAY-89
P207789	TRG	SEP0589BR1824	NITRATE/NITRITE	4.4	MG/KG					RFIN	05-MAY-89
P207789	TRG	SEP0589BR0006	NITRATE/NITRITE	14	MG/KG					RFIN	05-MAY-89
P207789	TRG	SEP0589BR0613	NITRATE/NITRITE	3.6	MG/KG					RFIN	05-MAY-89
P207889	TRG	SEP06890003	NITRATE/NITRITE	8.1	MG/KG				V	RFIN	01-MAY-89
P207889	TRG	SEP06890306D	NITRATE/NITRITE	7.5	MG/KG				V	RFIN	01-MAY-89
P207889	TRG	SEP06890306	NITRATE/NITRITE	6.4	MG/KG				V	RFIN	01-MAY-89
P207989	TRG	SEP0789BR0003	NITRATE/NITRITE	7.6	MG/KG					RFIN	02-MAY-89
P207989	TRG	SEP0789BR0306	NITRATE/NITRITE	4.9	MG/KG					RFIN	02-MAY-89
P207989	TRG	SEP0789BR1218	NITRATE/NITRITE	2.5	MG/KG					RFIN	02-MAY-89
P207989	TRG	SEP0789BR0612	NITRATE/NITRITE	6.5	MG/KG					RFIN	02-MAY-89
P207989	TRG	GSEP07890989001	NITRATE/NITRITE	2.6	MG/L				V	RFIN	14-SEP-89
P208889	TRG	SEP1689BR0004	NITRATE/NITRITE	3400	MG/KG					RFIN	09-MAY-89
P208889	TRG	SEP1689BR0410	NITRATE/NITRITE	3000	MG/KG					RFIN	09-MAY-89
P208889	TRG	SEP1689BR1016	NITRATE/NITRITE	1900	MG/KG					RFIN	09-MAY-89
P208889	TRG	GSEP16890989001	NITRATE/NITRITE	0.05	MG/L		U		V	RFIN	17-OCT-89
P208989	TRG	SEP1789BR0003	NITRATE/NITRITE	1.4	MG/KG					RFIN	12-MAY-89
P208989	TRG	SEP1789BR0309	NITRATE/NITRITE	2.1	MG/KG					RFIN	12-MAY-89
P208989	TRG	SEP1789BR0915	NITRATE/NITRITE	51	MG/KG					RFIN	12-MAY-89
P208989	TRG	GSEP17890989001	NITRATE/NITRITE	1400	MG/L				V	RFIN	17-OCT-89
P209089	TRG	SEP1889BR0003	NITRATE/NITRITE	2.4	MG/KG					RFIN	17-MAY-89
P209089	TRG	SEP1889BR0309	NITRATE/NITRITE	22	MG/KG					RFIN	17-MAY-89
P209089	TRG	SEP1889BR1218	NITRATE/NITRITE	1.6	MG/KG					RFIN	17-MAY-89
P209089	TRG	SEP1889BR1218D	NITRATE/NITRITE	158	MG/KG					RFIN	17-MAY-89
P209089	TRG	SEP1889BR1824	NITRATE/NITRITE	182	MG/KG					RFIN	17-MAY-89
P209189	TRG	SEP1989BR0003	NITRATE/NITRITE	35	MG/KG				V	RFIN	25-MAY-89
P209189	TRG	SEP1989BR1622D	NITRATE/NITRITE	2.5	MG/KG				V	RFIN	25-MAY-89
P209189	TRG	SEP1989BR1622	NITRATE/NITRITE	1.6	MG/KG				V	RFIN	25-MAY-89
P209189	TRG	SEP1989BR0309	NITRATE/NITRITE	180	MG/KG				V	RFIN	25-MAY-89
P209189	TRG	SEP1989BR1016	NITRATE/NITRITE	7.1	MG/KG				V	RFIN	25-MAY-89
P209289	TRG	SEP20890309	NITRATE/NITRITE	11	MG/KG					RFIN	08-JUN-89
P209289	TRG	SEP20890912	NITRATE/NITRITE	2.2	MG/KG					RFIN	08-JUN-89
P209289	TRG	SEP20891418	NITRATE/NITRITE	1.2	MG/KG		U			RFIN	08-JUN-89
P209289	TRG	SEP20890003	NITRATE/NITRITE	21	MG/KG					RFIN	08-JUN-89
P209389	TRG	SEP2189BR0003	NITRATE/NITRITE	4.0	MG/KG				A	RFIN	07-JUN-89

Location ID		Proj_Sample_No	Chemical	Result	Unit	Err	Qual.	D.Lmt	VA	Group	Smpl Date
P209389	TRG	SEP2189BR2026D	NITRATE/NITRITE	1.4	MG/KG				A	RFIN	07-JUN-89
P209389	TRG	SEP2189BR2026	NITRATE/NITRITE	1.3	MG/KG				A	RFIN	07-JUN-89
P209389	TRG	SEP2189BR0309	NITRATE/NITRITE	1.8	MG/KG				A	RFIN	07-JUN-89
P209389	TRG	SEP2189BR1420	NITRATE/NITRITE	1.1	MG/KG		U		A	RFIN	07-JUN-89
P209389	TRG	SEP2189BR0912	NITRATE/NITRITE	2.6	MG/KG				A	RFIN	07-JUN-89
P209489	TRG	SEP2289BR0003	NITRATE/NITRITE	9.3	MG/KG					RFIN	16-MAY-89
P209489	TRG	SEP2289BR1213	NITRATE/NITRITE	16	MG/KG					RFIN	16-MAY-89
P209489	TRG	SEP2289BR1621	NITRATE/NITRITE	4.0	MG/KG					RFIN	16-MAY-89
P209489	TRG	SEP2289BR1416	NITRATE/NITRITE	7.6	MG/KG					RFIN	16-MAY-89
P209489	TRG	SEP2289BR0912	NITRATE/NITRITE	32	MG/KG					RFIN	16-MAY-89
P209489	TRG	SEP2289BR0307	NITRATE/NITRITE	31	MG/KG					RFIN	16-MAY-89
P209489	TRG	GSEP22890989001	NITRATE/NITRITE	400	MG/L				A	RFIN	20-SEP-89
P209589	TRG	SEP2389BR0410	NITRATE/NITRITE	560	MG/KG					RFIN	10-MAY-89
P209589	TRG	SEP2389BR1015	NITRATE/NITRITE	1300	MG/KG					RFIN	10-MAY-89
P209589	TRG	GSEP23890989001	NITRATE/NITRITE	4800	MG/L				V	RFIN	19-SEP-89
P209689	TRG	SEP2489BR0006	NITRATE/NITRITE	2.2	MG/KG					RFIN	03-MAY-89
P209689	TRG	SEP2489BR1824	NITRATE/NITRITE	5.1	MG/KG					RFIN	03-MAY-89
P209689	TRG	SEP2489BR1218	NITRATE/NITRITE	43	MG/KG					RFIN	03-MAY-89
P209689	TRG	SEP2489BR0612	NITRATE/NITRITE	28	MG/KG					RFIN	03-MAY-89
P209789	TRG	SEP25890006	NITRATE/NITRITE	3.8	MG/KG					RFIN	04-MAY-89
P209789	TRG	SEP25890608	NITRATE/NITRITE	3.2	MG/KG					RFIN	04-MAY-89
P209789	TRG	SEP25891216	NITRATE/NITRITE	4.9	MG/KG					RFIN	04-MAY-89
P209789	TRG	SEP25890812	NITRATE/NITRITE	12	MG/KG					RFIN	04-MAY-89
P209889	TRG	SEP2689BR0004	NITRATE/NITRITE	630	MG/KG				V	RFIN	11-MAY-89
P209889	TRG	SEP2689BR1016	NITRATE/NITRITE	730	MG/KG				V	RFIN	11-MAY-89
P209889	TRG	SEP2689BR0410D	NITRATE/NITRITE	1200	MG/KG				V	RFIN	11-MAY-89
P209889	TRG	SEP2689BR0410	NITRATE/NITRITE	1400	MG/KG				V	RFIN	11-MAY-89
P209889	TRG	GSEP26890989001	NITRATE/NITRITE	2400	MG/L				V	RFIN	18-OCT-89
P210189	TRG	SEP3089BR0003	NITRATE/NITRITE	420	MG/KG				V	RFIN	19-MAY-89
P210189	TRG	SEP3089BR0309	NITRATE/NITRITE	150	MG/KG				V	RFIN	19-MAY-89
P210189	TRG	SEP3089BR0915	NITRATE/NITRITE	3.4	MG/KG				V	RFIN	19-MAY-89
P210189	TRG	SEP3089BR2127	NITRATE/NITRITE	9.8	MG/KG				V	RFIN	19-MAY-89
P210189	TRG	SEP3089BR1521	NITRATE/NITRITE	14	MG/KG				V	RFIN	19-MAY-89
P210289	TRG	SEP3189BR0003	NITRATE/NITRITE	21	MG/KG					RFIN	15-MAY-89
P210289	TRG	SEP3189BR0713	NITRATE/NITRITE	7.8	MG/KG					RFIN	15-MAY-89
P210289	TRG	SEP3189BR1319	NITRATE/NITRITE	1.2	MG/KG		U			RFIN	15-MAY-89
P210289	TRG	SEP3189BR0306	NITRATE/NITRITE	13	MG/KG					RFIN	15-MAY-89
P209489	TRG	GSEP22890989001	OIL AND GREASE	1	MG/L		U		V	RFIN	20-SEP-89
P207989	TRG	GSEP07890989001	SULFATE	210	MG/L				V	RFIN	14-SEP-89
P208889	TRG	GSEP16890989001	SULFATE	370	MG/L				A	RFIN	17-OCT-89
P208989	TRG	GSEP17890989001	SULFATE	150	MG/L				A	RFIN	17-OCT-89
P209489	TRG	GSEP22890989001	SULFATE	120	MG/L				V	RFIN	20-SEP-89
P209589	TRG	GSEP23890989001	SULFATE	750	MG/L				A	RFIN	19-SEP-89
P209889	TRG	GSEP26890989001	SULFATE	420	MG/L				V	RFIN	18-OCT-89
P207389	TRG	SEP0189BR0003	SULFIDE	2	MG/KG		U		V	RFIN	05-JUN-89
P207389	TRG	SEP0189BR0713	SULFIDE	2	MG/KG		U		V	RFIN	05-JUN-89
P207389	TRG	SEP0189BR1319	SULFIDE	2	MG/KG		U		V	RFIN	05-JUN-89
P207389	TRG	SEP0189BR0307	SULFIDE	2	MG/KG		U		V	RFIN	05-JUN-89
P207489	TRG	SEP02890003	SULFIDE	2	MG/KG		U		V	RFIN	06-JUN-89
P207489	TRG	SEP02890306	SULFIDE	2	MG/KG		U		V	RFIN	06-JUN-89
P207489	TRG	SEP02890610	SULFIDE	2	MG/KG		U		V	RFIN	06-JUN-89
P207589	TRG	SEP0389BR0003	SULFIDE	2	MG/KG		U		V	RFIN	18-MAY-89
P207589	TRG	SEP0389BR1521	SULFIDE	2	MG/KG		U		V	RFIN	18-MAY-89
P207589	TRG	SEP0389BR0309	SULFIDE	2	MG/KG		U		V	RFIN	18-MAY-89
P207589	TRG	SEP0389BR0915	SULFIDE	3	MG/KG		U		V	RFIN	18-MAY-89
P207689	TRG	SEP04890006	SULFIDE	2	MG/KG		U			RFIN	05-MAY-89
P207689	TRG	SEP04890006D	SULFIDE	2	MG/KG		U			RFIN	05-MAY-89
P207689	TRG	SEP04890612	SULFIDE	2	MG/KG		U			RFIN	05-MAY-89

Location ID	--	Proj_Sample_No	Chemical	Result	Unit	Err	Qual.	D.Lmt	VA	Group	Smpl Date
P207689	TRG	SEP04891215	SULFIDE	3	MG/KG		U	..		RFIN	05-MAY-89
P207789	TRG	SEP0589BR0006	SULFIDE	2	MG/KG		U	.		RFIN	05-MAY-89
P207789	TRG	SEP0589BR1318	SULFIDE	2	MG/KG		U	.		RFIN	05-MAY-89
P207789	TRG	SEP0589BR0613	SULFIDE	2	MG/KG		U	.		RFIN	05-MAY-89
P207789	TRG	SEP0589BR1824	SULFIDE	3	MG/KG		U	.		RFIN	05-MAY-89
P207889	TRG	SEP06890003	SULFIDE	2	MG/KG		U	V		RFIN	01-MAY-89
P207889	TRG	SEP06890306D	SULFIDE	2	MG/KG		U	V		RFIN	01-MAY-89
P207889	TRG	SEP06890306	SULFIDE	2	MG/KG		U	V		RFIN	01-MAY-89
P207989	TRG	SEP0789BR0003	SULFIDE	2	MG/KG		U	.		RFIN	02-MAY-89
P207989	TRG	SEP0789BR0612	SULFIDE	2	MG/KG		U	.		RFIN	02-MAY-89
P207989	TRG	SEP0789BR1218	SULFIDE	2	MG/KG		U	.		RFIN	02-MAY-89
P207989	TRG	SEP0789BR0306	SULFIDE	2	MG/KG		U	.		RFIN	02-MAY-89
P208889	TRG	SEP1689BR0004	SULFIDE	2	MG/KG		U	.		RFIN	09-MAY-89
P208889	TRG	SEP1689BR0410	SULFIDE	2	MG/KG		U	.		RFIN	09-MAY-89
P208889	TRG	SEP1689BR1016	SULFIDE	2	MG/KG		U	.		RFIN	09-MAY-89
P208989	TRG	SEP1789BR0003	SULFIDE	2	MG/KG		U	.		RFIN	12-MAY-89
P208989	TRG	SEP1789BR0309	SULFIDE	2	MG/KG		U	.		RFIN	12-MAY-89
P208989	TRG	SEP1789BR0915	SULFIDE	2.4	MG/KG			.		RFIN	12-MAY-89
P209089	TRG	SEP1889BR0003	SULFIDE	2.2	MG/KG			.		RFIN	17-MAY-89
P209089	TRG	SEP1889BR1218	SULFIDE	2	MG/KG		U	.		RFIN	17-MAY-89
P209089	TRG	SEP1889BR1824	SULFIDE	2	MG/KG		U	.		RFIN	17-MAY-89
P209089	TRG	SEP1889BR1218D	SULFIDE	2	MG/KG		U	.		RFIN	17-MAY-89
P209089	TRG	SEP1889BR0309	SULFIDE	2	MG/KG		U	.		RFIN	17-MAY-89
P209189	TRG	SEP1989BR0003	SULFIDE	2	MG/KG	-	U	V		RFIN	25-MAY-89
P209189	TRG	SEP1989BR1622	SULFIDE	2	MG/KG		U	V		RFIN	25-MAY-89
P209189	TRG	SEP1989BR1622D	SULFIDE	2	MG/KG		U	V		RFIN	25-MAY-89
P209189	TRG	SEP1989BR0309	SULFIDE	2	MG/KG		U	V		RFIN	25-MAY-89
P209189	TRG	SEP1989BR1016	SULFIDE	2	MG/KG		U	V		RFIN	25-MAY-89
P209289	TRG	SEP20890003	SULFIDE	2	MG/KG		U			RFIN	08-JUN-89
P209289	TRG	SEP20890309	SULFIDE	2	MG/KG		U			RFIN	08-JUN-89
P209289	TRG	SEP20891418	SULFIDE	2	MG/KG		U			RFIN	08-JUN-89
P209289	TRG	SEP20890912	SULFIDE	2	MG/KG		U			RFIN	08-JUN-89
P209389	TRG	SEP2189BR0003	SULFIDE	2	MG/KG		U	A		RFIN	07-JUN-89
P209389	TRG	SEP2189BR2026	SULFIDE	2	MG/KG		U	A		RFIN	07-JUN-89
P209389	TRG	SEP2189BR2026D	SULFIDE	2	MG/KG		U	A		RFIN	07-JUN-89
P209389	TRG	SEP2189BR1420	SULFIDE	2	MG/KG		U	A		RFIN	07-JUN-89
P209389	TRG	SEP2189BR0309	SULFIDE	2	MG/KG		U	A		RFIN	07-JUN-89
P209389	TRG	SEP2189BR0912	SULFIDE	5	MG/KG			A		RFIN	07-JUN-89
P209489	TRG	SEP2289BR0003	SULFIDE	2	MG/KG		U			RFIN	16-MAY-89
P209489	TRG	SEP2289BR0912	SULFIDE	2	MG/KG		U			RFIN	16-MAY-89
P209489	TRG	SEP2289BR1416	SULFIDE	2	MG/KG		U			RFIN	16-MAY-89
P209489	TRG	SEP2289BR1621	SULFIDE	2	MG/KG		U			RFIN	16-MAY-89
P209489	TRG	SEP2289BR1213	SULFIDE	2	MG/KG		U			RFIN	16-MAY-89
P209489	TRG	SEP2289BR0307	SULFIDE	2	MG/KG		U			RFIN	16-MAY-89
P209589	TRG	SEP2389BR0410	SULFIDE	2	MG/KG		U	.		RFIN	10-MAY-89
P209589	TRG	SEP2389BR1015	SULFIDE	2	MG/KG		U	.		RFIN	10-MAY-89
P209689	TRG	SEP2489BR0006	SULFIDE	2	MG/KG		U	.		RFIN	03-MAY-89
P209689	TRG	SEP2489BR0612	SULFIDE	2	MG/KG		U	.		RFIN	03-MAY-89
P209689	TRG	SEP2489BR1824	SULFIDE	2	MG/KG		U			RFIN	03-MAY-89
P209689	TRG	SEP2489BR1218	SULFIDE	2	MG/KG		U	.		RFIN	03-MAY-89
P209789	TRG	SEP25890006	SULFIDE	2	MG/KG		U	.		RFIN	04-MAY-89
P209789	TRG	SEP25890608	SULFIDE	2	MG/KG		U	.		RFIN	04-MAY-89
P209789	TRG	SEP25891216	SULFIDE	2	MG/KG		U	.		RFIN	04-MAY-89
P209789	TRG	SEP25890812	SULFIDE	2	MG/KG		U	.		RFIN	04-MAY-89
P209889	TRG	SEP2689BR0004	SULFIDE	2	MG/KG		U	A		RFIN	11-MAY-89
P209889	TRG	SEP2689BR0410	SULFIDE	2	MG/KG		U	A		RFIN	11-MAY-89
P209889	TRG	SEP2689BR1016	SULFIDE	2	MG/KG		U	A		RFIN	11-MAY-89
P209889	TRG	SEP2689BR0410D	SULFIDE	2	MG/KG		U	A		RFIN	11-MAY-89

Location ID		Proj_Sample_No	Chemical	Result	Unit	Err	Qual.	D.Lmt VA		Group	Smpl Date
P210189	TRG	SEP3089BR0003	SULFIDE	2	MG/KG		U	V		RFIN	19-MAY-89
P210189	TRG	SEP3089BR0309	SULFIDE	2	MG/KG		U	V		RFIN	19-MAY-89
P210189	TRG	SEP3089BR1521	SULFIDE	2	MG/KG		U	V		RFIN	19-MAY-89
P210189	TRG	SEP3089BR2127	SULFIDE	2	MG/KG		U	V		RFIN	19-MAY-89
P210189	TRG	SEP3089BR0915	SULFIDE	2	MG/KG		U	V		RFIN	19-MAY-89
P210289	TRG	SEP3189BR0003	SULFIDE	2	MG/KG		U	.		RFIN	15-MAY-89
P210289	TRG	SEP3189BR0713	SULFIDE	2	MG/KG		U	.		RFIN	15-MAY-89
P210289	TRG	SEP3189BR0306	SULFIDE	2	MG/KG		U	.		RFIN	15-MAY-89
P210289	TRG	SEP3189BR1319	SULFIDE	2	MG/KG		U	.		RFIN	15-MAY-89
P207989	TRG	GSEP07890989001	TOTAL DISSOLVED SOLIDS	910	MG/L			A		RFIN	14-SEP-89
P208889	TRG	GSEP16890989001	TOTAL DISSOLVED SOLIDS	640	MG/L			A		RFIN	17-OCT-89
P208989	TRG	GSEP17890989001	TOTAL DISSOLVED SOLIDS	13000	MG/L			A		RFIN	17-OCT-89
P209489	TRG	GSEP22890989001	TOTAL DISSOLVED SOLIDS	3400	MG/L			A		RFIN	20-SEP-89
P209589	TRG	GSEP23890989001	TOTAL DISSOLVED SOLIDS	31000	MG/L			A		RFIN	19-SEP-89
P209889	TRG	GSEP26890989001	TOTAL DISSOLVED SOLIDS	19000	MG/L			A		RFIN	18-OCT-89
P207989	TRG	GSEP07890989001	TOTAL SUSPENDED SOLIDS	22	MG/L			A		RFIN	14-SEP-89
P208889	TRG	GSEP16890989001	TOTAL SUSPENDED SOLIDS	12	MG/L			A		RFIN	17-OCT-89
P208989	TRG	GSEP17890989001	TOTAL SUSPENDED SOLIDS	16	MG/L			A		RFIN	17-OCT-89
P209489	TRG	GSEP22890989001	TOTAL SUSPENDED SOLIDS	850	MG/L			A		RFIN	20-SEP-89
P209589	TRG	GSEP23890989001	TOTAL SUSPENDED SOLIDS	18	MG/L			A		RFIN	19-SEP-89
P209889	TRG	GSEP26890989001	TOTAL SUSPENDED SOLIDS	5	MG/L		U	A		RFIN	18-OCT-89
P207389	TRG	SEP0189BR0003	pH	8.5	PHUNIT					RFIN	05-JUN-89
P207389	TRG	SEP0189BR1319	pH	9.0	PHUNIT					RFIN	05-JUN-89
P207389	TRG	SEP0189BR0713	pH	9.1	PHUNIT					RFIN	05-JUN-89
P207389	TRG	SEP0189BR0307	pH	8.7	PHUNIT					RFIN	05-JUN-89
P207489	TRG	SEP02890306	pH	8.2	PHUNIT					RFIN	06-JUN-89
P207489	TRG	SEP02890610	pH	9.1	PHUNIT					RFIN	06-JUN-89
P207489	TRG	SEP02890003	pH	8.6	PHUNIT					RFIN	06-JUN-89
P207589	TRG	SEP0389BR0003	pH	8.8	PHUNIT					RFIN	18-MAY-89
P207589	TRG	SEP0389BR0309	pH	9.3	PHUNIT					RFIN	18-MAY-89
P207589	TRG	SEP0389BR1521	pH	8.9	PHUNIT					RFIN	18-MAY-89
P207589	TRG	SEP0389BR0915	pH	9.2	PHUNIT					RFIN	18-MAY-89
P207689	TRG	SEP04890006	pH	9.0	PHUNIT					RFIN	05-MAY-89
P207689	TRG	SEP04890612	pH	9.4	PHUNIT					RFIN	05-MAY-89
P207689	TRG	SEP04891215	pH	9.2	PHUNIT					RFIN	05-MAY-89
P207689	TRG	SEP048900060	pH	8.9	PHUNIT					RFIN	05-MAY-89
P207789	TRG	SEP0589BR0006	pH	8.8	PHUNIT					RFIN	05-MAY-89
P207789	TRG	SEP0589BR0613	pH	9.4	PHUNIT					RFIN	05-MAY-89
P207789	TRG	SEP0589BR1824	pH	8.7	PHUNIT					RFIN	05-MAY-89
P207789	TRG	SEP0589BR1318	pH	9.1	PHUNIT					RFIN	05-MAY-89
P207889	TRG	SEP06890003	pH	8.3	PHUNIT					RFIN	01-MAY-89
P207889	TRG	SEP06890306	pH	9.1	PHUNIT					RFIN	01-MAY-89
P207889	TRG	SEP068903060	pH	8.9	PHUNIT					RFIN	01-MAY-89
P207989	TRG	SEP0789BR0003	pH	8.6	PHUNIT					RFIN	02-MAY-89
P207989	TRG	SEP0789BR0306	pH	8.9	PHUNIT					RFIN	02-MAY-89
P207989	TRG	SEP0789BR1218	pH	8.7	PHUNIT					RFIN	02-MAY-89
P207989	TRG	SEP0789BR0612	pH	9.0	PHUNIT					RFIN	02-MAY-89
P207989	TRG	GSEP07890989001	pH	7.8	PHUNIT					RFIN	14-SEP-89
P208889	TRG	SEP1689BR0004	pH	7.9	PHUNIT					RFIN	09-MAY-89
P208889	TRG	SEP1689BR0410	pH	8.1	PHUNIT					RFIN	09-MAY-89
P208889	TRG	SEP1689BR1016	pH	8.6	PHUNIT					RFIN	09-MAY-89
P208889	TRG	GSEP16890989001	pH	11.1	PHUNIT					RFIN	17-OCT-89
P208989	TRG	SEP1789BR0003	pH	8.5	PHUNIT					RFIN	12-MAY-89
P208989	TRG	SEP1789BR0915	pH	8.3	PHUNIT					RFIN	12-MAY-89
P208989	TRG	SEP1789BR0309	pH	8.5	PHUNIT					RFIN	12-MAY-89
P208989	TRG	GSEP17890989001	pH	6.9	PHUNIT					RFIN	17-OCT-89
P209089	TRG	SEP1889BR0003	pH	8.7	PHUNIT					RFIN	17-MAY-89
P209089	TRG	SEP1889BR1218D	pH	8.2	PHUNIT					RFIN	17-MAY-89

Location ID	--	Proj_Sample_No	Chemical	Result	Unit	Err	Qual.	D.Lmt VA --	Group	Smpl Date
P209089	TRG	SEP1889BR1824	pH	8.1	PHUNIT				RFIN	17-MAY-89
P209089	TRG	SEP1889BR1218	pH	8.5	PHUNIT				RFIN	17-MAY-89
P209089	TRG	SEP1889BR0309	pH	8.4	PHUNIT				RFIN	17-MAY-89
P209189	TRG	SEP1989BR1622D	pH	8.2	PHUNIT				RFIN	25-MAY-89
P209189	TRG	SEP1989BR0003	pH	8.2	PHUNIT				RFIN	25-MAY-89
P209189	TRG	SEP1989BR0309	pH	9.6	PHUNIT				RFIN	25-MAY-89
P209189	TRG	SEP1989BR1622	pH	8.3	PHUNIT				RFIN	25-MAY-89
P209189	TRG	SEP1989BR1016	pH	9.2	PHUNIT				RFIN	25-MAY-89
P209289	TRG	SEP20890003	pH	7.7	PHUNIT				RFIN	08-JUN-89
P209289	TRG	SEP20891418	pH	8.0	PHUNIT				RFIN	08-JUN-89
P209289	TRG	SEP20890912	pH	9.1	PHUNIT				RFIN	08-JUN-89
P209289	TRG	SEP20890309	pH	7.3	PHUNIT				RFIN	08-JUN-89
P209389	TRG	SEP2189BR0003	pH	7.8	PHUNIT				RFIN	07-JUN-89
P209389	TRG	SEP2189BR1420	pH	8.2	PHUNIT				RFIN	07-JUN-89
P209389	TRG	SEP2189BR2026D	pH	8.0	PHUNIT				RFIN	07-JUN-89
P209389	TRG	SEP2189BR2026	pH	8.1	PHUNIT				RFIN	07-JUN-89
P209389	TRG	SEP2189BR0912	pH	8.8	PHUNIT				RFIN	07-JUN-89
P209389	TRG	SEP2189BR0309	pH	8.1	PHUNIT				RFIN	07-JUN-89
P209489	TRG	SEP2289BR0003	pH	8.4	PHUNIT				RFIN	16-MAY-89
P209489	TRG	SEP2289BR0307	pH	8.3	PHUNIT				RFIN	16-MAY-89
P209489	TRG	SEP2289BR1213	pH	8.7	PHUNIT				RFIN	16-MAY-89
P209489	TRG	SEP2289BR1621	pH	8.7	PHUNIT				RFIN	16-MAY-89
P209489	TRG	SEP2289BR1416	pH	8.9	PHUNIT				RFIN	16-MAY-89
P209489	TRG	SEP2289BR0912	pH	8.7	PHUNIT				RFIN	16-MAY-89
P209489	TRG	GSEP22890989001	pH	6.9	PHUNIT				RFIN	20-SEP-89
P209589	TRG	SEP2389BR0410	pH	9.1	PHUNIT				RFIN	10-MAY-89
P209589	TRG	SEP2389BR1015	pH	8.2	PHUNIT				RFIN	10-MAY-89
P209589	TRG	GSEP23890989001	pH	6.7	PHUNIT				RFIN	19-SEP-89
P209689	TRG	SEP2489BR0006	pH	8.6	PHUNIT				RFIN	03-MAY-89
P209689	TRG	SEP2489BR1218	pH	8.8	PHUNIT				RFIN	03-MAY-89
P209689	TRG	SEP2489BR1824	pH	8.8	PHUNIT				RFIN	03-MAY-89
P209689	TRG	SEP2489BR0612	pH	8.9	PHUNIT				RFIN	03-MAY-89
P209789	TRG	SEP25890006	pH	8.8	PHUNIT				RFIN	04-MAY-89
P209789	TRG	SEP25891216	pH	9.1	PHUNIT				RFIN	04-MAY-89
P209789	TRG	SEP25890608	pH	9.1	PHUNIT				RFIN	04-MAY-89
P209789	TRG	SEP25890812	pH	9.0	PHUNIT				RFIN	04-MAY-89
P209889	TRG	SEP2689BR0004	pH	8.1	PHUNIT				RFIN	11-MAY-89
P209889	TRG	SEP2689BR0410D	pH	8.3	PHUNIT				RFIN	11-MAY-89
P209889	TRG	SEP2689BR1016	pH	8.1	PHUNIT				RFIN	11-MAY-89
P209889	TRG	SEP2689BR0410	pH	8.3	PHUNIT				RFIN	11-MAY-89
P209889	TRG	GSEP26890989001	pH	7.0	PHUNIT				RFIN	18-OCT-89
P210189	TRG	SEP3089BR0003	pH	9.6	PHUNIT				RFIN	19-MAY-89
P210189	TRG	SEP3089BR0915	pH	9.5	PHUNIT				RFIN	19-MAY-89
P210189	TRG	SEP3089BR1521	pH	9.0	PHUNIT				RFIN	19-MAY-89
P210189	TRG	SEP3089BR0309	pH	9.5	PHUNIT				RFIN	19-MAY-89
P210189	TRG	SEP3089BR2127	pH	8.5	PHUNIT				RFIN	19-MAY-89
P210289	TRG	SEP3189BR0003	pH	8.0	PHUNIT				RFIN	15-MAY-89
P210289	TRG	SEP3189BR0306	pH	8.2	PHUNIT				RFIN	15-MAY-89
P210289	TRG	SEP3189BR1319	pH	8.0	PHUNIT				RFIN	15-MAY-89
P210289	TRG	SEP3189BR0713	pH	8.9	PHUNIT				RFIN	15-MAY-89

Tolerance Interval Calculations for Total Metal Concentrations in
Background Rocky Flats Alluvial Borehole Samples
(Concentration units mg/kg)

	Analyte	No. of Samples	No. of Detects	Percent Detects	Lower Tolerance Interval	Upper Tolerance Interval	Tolerance Factor	Mean	Standard Deviation	Cohen Revised Mean	Cohen Revised Standard Deviation	Cohen Tau	Cohen Lambda	Data Distribution
1	Aluminum (Al)	77	75	97	.	13419.4947	1.9715	11908.5758	766.3845	.	.	.	.	LOG
2	Antimony (Sb)	56	0	0	.	.	2.0377	13.3144	0.4587	.	.	.	.	LOG
3	Arsenic (As)	77	51	66	.	4.2988	1.9715	3.8899	0.2588	3.6273	0.3406	0.86	0.65	LOG
4	Barium (Ba)	77	59	77	.	79.4928	1.9715	73.3391	3.7966	70.3734	4.6256	0.60	0.40	LOG
5	Beryllium (Be)	77	66	86	.	4.7040	1.9715	3.9766	0.3690	.	.	.	.	LOG
6	Cadmium (Cd)	54	7	13	.	.	2.0463	1.2147	0.0553	.	.	.	.	LOG
7	Cesium (Cs)	77	0	0	.	.	1.9715	227.5016	3.0252	.	.	.	.	LOG
8	Cobalt (Co)	77	17	22	.	.	1.9715	12.0462	0.3172	.	.	.	.	LOG
9	Iron (Fe)	77	77	100	.	13753.5715	1.9715	12625.8128	572.0338	.	.	.	.	LOG
10	Magnesium (Mg)	77	71	92	.	2484.2373	1.9715	2268.1101	109.6264	.	.	.	.	LOG
11	Manganese (Mn)	77	77	100	.	234.9950	1.9715	193.2978	21.1501	.	.	.	.	LOG
12	Potassium (K)	76	40	53	.	1557.9829	1.9739	1494.7295	61.8965	1371.6389	94.4020	0.53	0.85	LOG
13	Selenium (Se)	53	0	0	.	.	2.0507	2.6324	0.3535	.	.	.	.	LOG
14	Silver (Ag)	71	23	32	.	.	1.9871	5.0794	0.6858	.	.	.	.	LOG
15	Sodium (Na)	77	1	1	.	.	1.9715	1132.9907	29.5303	.	.	.	.	LOG

Background Geochemical Characterization Report ~~for~~ RFP for 1989. Appendix B.
EG&G

21 Dec 1990

NORMAL=Normal data distribution assumed LOG=Log normal data distribution assumed . = result is not applicable
Statistics for log normal distributions are presented as untransformed (antilog) values.

Tolerance Interval Calculations for Total Metal Concentrations in Background North Rocky Flats Rocky Flats Alluvial Borehole Samples (Concentration units mg/kg)

	Analyte	No. of Samples	No. of Detects	Percent Detects	Lower Tolerance Interval	Upper Tolerance Interval	Tolerance Factor	Mean	Standard Deviation	Cohen Revised Mean	Cohen Revised Standard Deviation	Cohen Tau	Cohen Lambda	Data Distribution
1	Calcium (Ca)	36	35	97	.	8430.1986	2.1577	6005.5435	1123.7350	.	.	.	.	LOG
2	Chromium (Cr)	36	36	100	.	19.9897	2.1577	15.8774	1.9059	.	.	.	.	LOG
3	Copper (Cu)	36	33	92	.	11.1314	2.1577	10.0000	0.5244	.	.	.	.	LOG
4	Lead (Pb)	36	36	100	.	12.1546	2.1577	9.4064	1.2737	.	.	.	.	LOG
5	Lithium (Li)	36	2	6	.	.	2.1577	22.7441	0.3730	.	.	.	.	LOG
6	Mercury (Hg)	35	8	23	.	.	2.1667	0.1394	0.0073	.	.	.	.	LOG
7	Molybdenum(Mo)	36	9	25	.	.	2.1577	23.7203	0.5731	.	.	.	.	LOG
8	Nickel (Ni)	33	26	79	.	21.4229	2.1863	17.5524	1.5800	17.3420	1.8666	0.45	0.30	LOG
9	Strontium (Sr)	36	11	31	.	.	2.1577	29.5841	2.2803	.	.	.	.	LOG
10	Thallium (Tl)	20	0	0	.	.	2.3960	2.2752	0.0507	.	.	.	.	LOG
11	Tin (Sn)	33	12	36	.	.	2.1863	32.2089	2.9266	.	.	.	.	LOG
12	Vanadium (V)	36	33	92	.	37.1857	2.1577	30.4651	3.1147	.	.	.	.	LOG
13	Zinc (Zn)	36	36	100	.	39.7143	2.1577	28.6620	5.1224	.	.	.	.	LOG

NORMAL=Normal data distribution assumed LOG=Log normal data distribution assumed . = result is not applicable

Statistics for log normal distributions are presented as untransformed (antilog) values.

Tolerance Interval Calculations for Inorganic Concentrations in
Background North Rocky Flats Rocky Flats Alluvial Borehole Samples
(Concentration units mg/kg except pH)

	Analyte	No. of Samples	No. of Detects	Percent Detects	Lower Tolerance Interval	Upper Tolerance Interval	Tolerance Factor	Mean	Standard Deviation	Cohen Revised Mean	Cohen Revised Standard Deviation	Cohen Tau	Cohen Lambda	Data Distribution
1	Nitrate/Nitrite	30	4	13	.	.	2.2198	0.8583	0.8701	.	.	.	.	NORMAL

NORMAL=Normal data distribution assumed LOG=Log normal data distribution assumed . = result is not applicable
Statistics for log normal distributions are presented as untransformed (antilog) values.

Tolerance Interval Calculations for Inorganic Concentrations in
Background Rocky Flats Alluvial Borehole Samples
(Concentration units mg/kg except pH)

	Analyte	No. of Samples	No. of Detects	Percent Detects	Lower Tolerance Interval	Upper Tolerance Interval	Tolerance Factor	Mean	Standard Deviation	Cohen Revised Mean	Cohen Revised Standard Deviation	Cohen Tau	Cohen Lambda	Data Distrib-ution
1	Lab pH	62	62	100	6.3858	9.5174	2.0150	7.9516	0.7771	.	.	.	.	NORMAL

NORMAL=Normal data distribution assumed LOG=Log normal data distribution assumed . = result is not applicable
Statistics for log normal distributions are presented as untransformed (antilog) values.

Tolerance Interval Calculations for Total Metal Concentrations in
Background North Rocky Flats Colluvial, Weathered Claystone and Weathered Sandstone Borehole Samples
(Concentration units mg/kg)

	Analyte	No. of Samples	No. of Detects	Percent Detects	Lower Tolerance Interval	Upper Tolerance Interval	Tolerance Factor	Mean	Standard Deviation	Cohen Revised Mean	Cohen Revised Standard Deviation	Cohen Tau	Cohen Lambda	Data Distribution
1	Calcium (Ca)	31	31	100	.	7566.5613	2.2080	6330.0302	560.0235	.	.	.	.	LOG
2	Chromium (Cr)	31	31	100	.	10.3477	2.2080	8.8363	0.6845	.	.	.	.	LOG
3	Copper (Cu)	30	29	97	.	16.2533	2.2198	14.2801	0.8889	.	.	.	.	LOG
4	Lead (Pb)	31	31	100	.	18.6811	2.2080	16.7633	0.8686	.	.	.	.	LOG
5	Lithium (Li)	31	25	81	.	11.6003	2.2080	9.0192	1.0748	9.3502	1.0191	0.14	0.26	LOG
6	Mercury (Hg)	30	9	30	.	.	2.2198	0.1667	0.0141	.	.	.	.	LOG
7	Molybdenum(Mo)	31	23	74	.	13.4310	2.2080	10.3654	1.3884	.	.	4.42	.	LOG
8	Nickel (Ni)	28	25	89	.	20.1842	2.2458	16.6965	1.5530	.	.	.	.	LOG
9	Strontium (Sr)	31	30	97	.	64.0675	2.2080	55.7825	3.7523	.	.	.	.	LOG
10	Thallium (Tl)	30	1	3	.	.	2.2198	2.3167	0.0222	.	.	.	.	LOG
11	Tin (Sn)	22	8	36	.	.	2.3490	120.9295	39.0482	.	.	.	.	LOG
12	Vanadium (V)	25	22	88	.	23.7320	2.2917	20.5495	1.3887	.	.	.	.	LOG
13	Zinc (Zn)	31	31	100	.	62.3409	2.2080	54.0536	3.7533	.	.	.	.	LOG

NORMAL=Normal data distribution assumed LOG=Log normal data distribution assumed . = result is not applicable
Statistics for log normal distributions are presented as untransformed (antilog) values.

Tolerance Interval Calculations for Total Metal Concentrations in
Background Colluvial, Weathered Claystone and Weathered Sandstone Borehole Samples
(Concentration units mg/kg)

	Analyte	No. of Samples	No. of Detects	Percent Detects	Lower Tolerance Interval	Upper Tolerance Interval	Tolerance Factor	Mean	Standard Deviation	Cohen Revised Mean	Cohen Revised Standard Deviation	Cohen Tau	Cohen Lambda	Data Distribution
1	Aluminum (Al)	46	46	100	.	10427.7752	2.0865	8762.0760	798.3317	.	.	.	.	LOG
2	Antimony (Sb)	30	2	7	.	.	2.2198	14.1232	0.1456	.	.	.	.	LOG
3	Arsenic (As)	46	28	61	.	4.0203	2.0865	3.5686	0.2602	3.2776	0.3559	0.49	0.71	LOG
4	Barium (Ba)	46	42	91	.	121.8903	2.0865	104.4600	8.3539	.	.	.	.	LOG
5	Beryllium (Be)	46	44	96	.	3.4013	2.0865	2.9791	0.2023	.	.	.	.	LOG
6	Cadmium (Cd)	41	0	0	.	.	2.1183	1.1634	0.0084	.	.	.	.	LOG
7	Cesium (Cs)	36	0	0	.	.	2.1577	231.9456	1.8856	.	.	.	.	LOG
8	Cobalt (Co)	46	6	13	.	.	2.0865	12.4683	0.3242	.	.	.	.	LOG
9	Iron (Fe)	45	45	100	.	14726.3649	2.0924	12589.9332	1021.0666	.	.	.	.	LOG
10	Magnesium (Mg)	46	44	96	.	2799.1426	2.0865	2492.8544	146.7970	.	.	.	.	LOG
11	Manganese (Mn)	46	46	100	.	203.0125	2.0865	155.7160	22.6681	.	.	.	.	LOG
12	Potassium (K)	46	14	30	.	.	2.0865	1305.3062	41.0626	.	.	.	.	LOG
13	Selenium (Se)	42	0	0	.	.	2.1114	3.3527	0.4804	.	.	.	.	LOG
14	Silver (Ag)	34	8	24	.	.	2.1762	4.9503	0.7988	.	.	.	.	LOG
15	Sodium (Na)	46	2	4	.	.	2.0865	1202.3053	48.3913	.	.	.	.	LOG

NORMAL=Normal data distribution assumed LOG=Log normal data distribution assumed . = result is not applicable
Statistics for log normal distributions are presented as untransformed (antilog) values.

Tolerance Interval Calculations for Total Radiochemical Concentrations in Background Rocky Flats Alluvial Borehole Samples
(Concentration units pCi/g except Tritium units pCi/ml)

	Analyte	No. of Samples	No. of Detects	Percent Detects	Lower Tolerance Interval	Upper Tolerance Interval	Tolerance Factor	Mean	Standard Deviation	Cohen Revised Mean	Cohen Revised Standard Deviation	Cohen Tau	Cohen Lambda	Data Distribution
1	Americium-241	27	27	100	.	0.0135	2.2600	-0.0015	0.0066	.	.	.	.	NORMAL
2	Cesium-137	64	64	100	.	0.0669	2.0082	0.0063	0.0302	.	.	.	.	NORMAL
3	Gross Alpha	64	64	100	.	38.3636	2.0082	21.5016	8.3964	.	.	.	.	NORMAL
4	Gross Beta	64	64	100	.	36.8150	2.0082	23.4844	6.6380	.	.	.	.	NORMAL
5	Plutonium-239	64	64	100	.	0.0150	2.0082	0.0020	0.0065	.	.	.	.	NORMAL
6	Radium-226	59	59	100	.	0.6513	2.0259	0.6237	0.0136	.	.	.	.	LOG
7	Radium-228	59	59	100	.	1.9561	2.0259	1.3220	0.3130	.	.	.	.	NORMAL
8	Strontium-90	64	64	100	.	0.7256	2.0082	0.0344	0.3442	.	.	.	.	NORMAL
9	Tritium	64	64	100	.	0.4147	2.0082	0.1773	0.1182	.	.	.	.	NORMAL
10	Uranium-233,-234	64	64	100	.	0.6558	2.0082	0.5923	0.0316	.	.	.	.	LOG
11	Uranium-235	64	64	100	.	0.0741	2.0082	0.0109	0.0315	.	.	.	.	NORMAL
12	Uranium-238	64	64	100	.	0.6830	2.0082	0.6154	0.0336	.	.	.	.	LOG

NORMAL=Normal data distribution assumed LOG=Log normal data distribution assumed . = result is not applicable
Statistics for log normal distributions are presented as untransformed (antilog) values.

Tolerance Interval Calculations for Inorganic Concentrations in
Background North Rocky Flats Colluvial, Weathered Claystone and Weathered Sandstone Borehole Samples
(Concentration units mg/kg except pH)

	Analyte	No. of Samples	No. of Detects	Percent Detects	Lower Tolerance Interval	Upper Tolerance Interval	Tolerance Factor	Mean	Standard Deviation	Cohen Revised Mean	Cohen Revised Standard Deviation	Cohen Tau	Cohen Lambda	Data Distrib-ution
1	Nitrate/Nitrite	32	10	31	.	.	2.1968	0.8953	0.5303	.	.	.	.	NORMAL

NORMAL=Normal data distribution assumed LOG=Log normal data distribution assumed . = result is not applicable
Statistics for log normal distributions are presented as untransformed (antilog) values.

Tolerance Interval Calculations for Total Radiochemical Concentrations in Background Colluvial, Weathered Claystone and Weathered Sandstone Borehole Samples (Concentration units pCi/g except Tritium units pCi/ml)

	Analyte	No. of Samples	No. of Detects	Percent Detects	Lower Tolerance Interval	Upper Tolerance Interval	Tolerance Factor	Mean	Standard Deviation	Cohen Revised Mean	Cohen Revised Standard Deviation	Cohen Tau	Cohen Lambda	Data Distrib-ution
1	Cesium-137	54	54	100	.	0.0745	2.0463	0.0074	0.0328	.	.	.	.	NORMAL
2	Gross Alpha	54	54	100	.	48.4255	2.0463	30.6852	8.6697	.	.	.	.	NORMAL
3	Gross Beta	54	54	100	.	34.1512	2.0463	26.2593	3.8568	.	.	.	.	NORMAL
4	Plutonium-239	54	54	100	.	0.0209	2.0463	0.0046	0.0079	.	.	.	.	NORMAL
5	Radium-226	38	38	100	.	1.1379	2.1408	1.0769	0.0285	.	.	.	.	LOG
6	Radium-228	38	38	100	.	2.0537	2.1408	1.4447	0.2845	.	.	.	.	NORMAL
7	Strontium-90	54	54	100	.	0.6719	2.0463	-0.0759	0.3655	.	.	.	.	NORMAL
8	Tritium	54	54	100	.	0.2875	2.0463	0.0550	0.1136	.	.	.	.	NORMAL
9	Uranium-233,-234	54	54	100	.	0.9830	2.0463	0.8788	0.0509	.	.	.	.	LOG
10	Uranium-235	54	54	100	.	0.1756	2.0463	0.0407	0.0659	.	.	.	.	NORMAL
11	Uranium-238	54	54	100	.	1.0429	2.0463	0.9575	0.0417	.	.	.	.	LOG

NORMAL=Normal data distribution assumed LOG=Log normal data distribution assumed . = result is not applicable
Statistics for log normal distributions are presented as untransformed (antilog) values.

Tolerance Interval Calculations for Inorganic Concentrations in
Background Colluvial, Weathered Claystone and Weathered Sandstone Borehole Samples
(Concentration units mg/kg except pH)

	Analyte	No. of Samples	No. of Detects	Percent Detects	Lower Tolerance Interval	Upper Tolerance Interval	Tolerance Factor	Mean	Standard Deviation	Cohen Revised Mean	Cohen Revised Standard Deviation	Cohen Tau	Cohen Lambda	Data Distrib-ution
1	Lab pH	53	53	100	7.2914	9.5161	2.0507	8.4038	0.5424	.	.	.	.	NORMAL

NORMAL=Normal data distribution assumed LOG=Log normal data distribution assumed . = result is not applicable
Statistics for log normal distributions are presented as untransformed (antilog) values.

EG&G ROCKY FLATS

INTEROFFICE CORRESPONDENCE

DATE August 16, 1990 PFF-26-90

TO J.R. Majestic Jr., Health and Safety, Bldg. 123

FROM J. Erich Evered, ER, Bldg. T130B, x4934

SUBJECT SOLAR PONDS AREA FIDLER SURVEY CONDUCTED BY ER

Environmental Restoration completed a FIDLER survey of the Solar Ponds area on August 14, 1990. The purpose of the survey was to confirm the elevated counts previously measured within the restricted areas directly east and west of building 788, and to provide initial data in the berm areas around each Solar Pond.

The survey was conducted using two FIDLERs provided by Dave Balmer of Radiological Instrumentation. These instruments were set to 60 kev and 17 kev respectively and their calibration was checked daily. One minute integrated counts were initially collected at presumed background locations, such as roads. At each measurement site one minute integrated counts were collected by both instruments over the same area for comparison between the 17 and 60 kev settings. A regression plot of the data (Figure 1) shows a high degree of linear correlation between the readings for both instruments.

Data from the presently restricted areas appears to confirm the findings of earlier surveys. Table 1 indicates which measurements were taken within the restricted areas and which were taken outside of the areas. The measurement locations of Table 1 are plotted on Map 1.

Results from soil samples collected on June 12 of this year within the restricted zone east of 788 have Am_{241} values of up to 934 pCi/g (+/-20%) and $Pu_{239-240}$ values of up to 438 (+/-15) pCi/g, suggesting that there is a correlation between elevated FIDLER readings and soil contamination. Therefore we are concerned that certain areas outside of the restricted zones appear to show count rates similar to those within the restricted zones.

Please review these results and inform Mike Arndt (x4294) of my staff if you plan to restrict any additional areas. Do not hesitate to call for further explanation or clarification.

PFF:rkv

cc:

S.C. Anderson-Radiological Engineering
M.B. Arndt
D. Balmer-Radiological Instrumentation, 123
S. A. Buckie-Radiological Engineering
W. Busby
P.F. Folger
J. Kersh
J. Langman
R. Renne-Radiological Engineering
G. Underberg

FIGURE 1. REGRESSION OF SOLAR PONDS FIDLER DATA

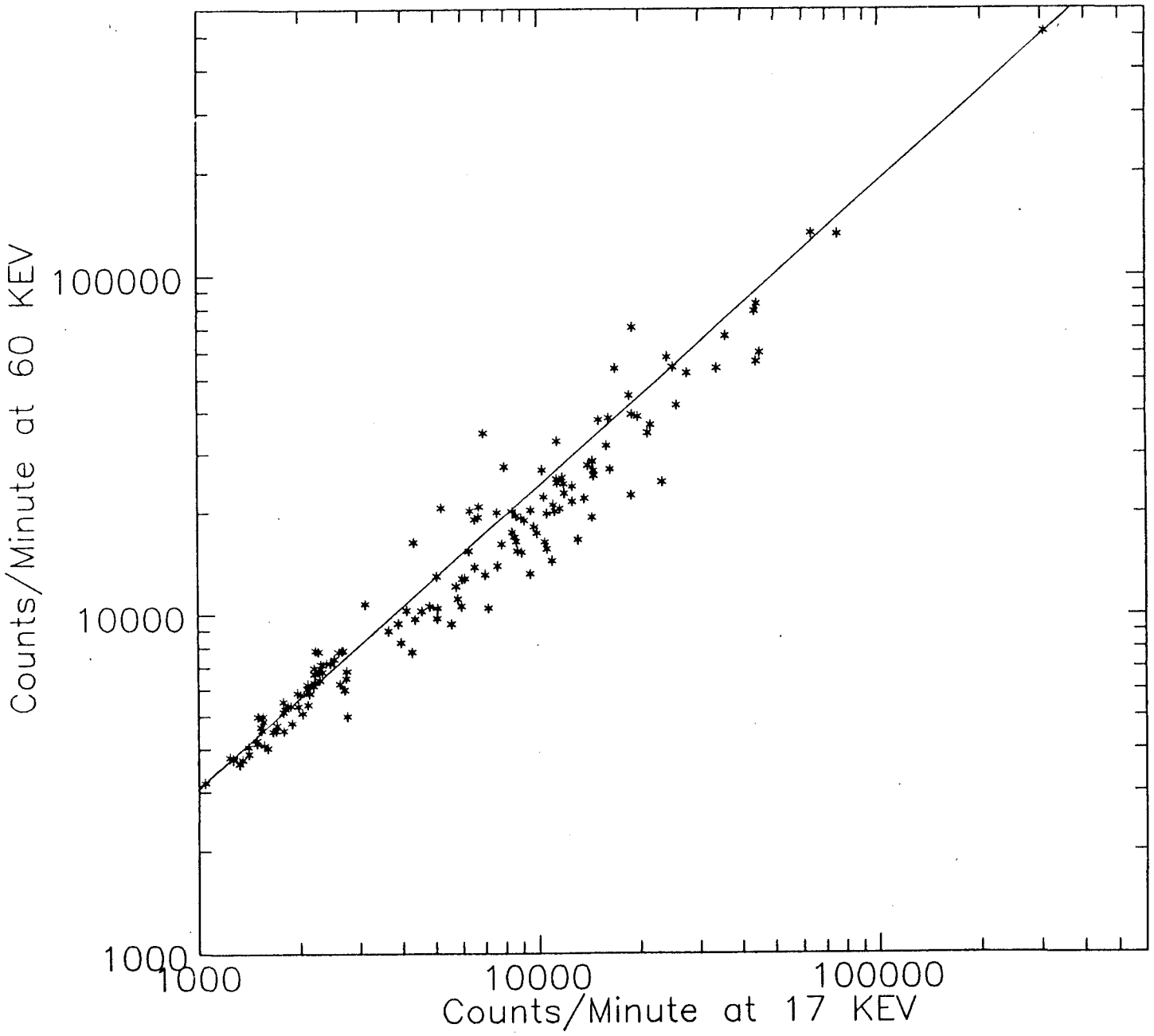


Table 1. FIDLER data at SEP

DATE	LOCATION (refers to field map)	17 kev (counts per minute)	60 kev (counts per minute)	NOTES
8/1/90	1	1663	4521	background, collected from middle of the road
8/1/90	2	2327	6787	
8/1/90	3	1788	5543	
8/1/90	4	2284	6966	
8/1/90	5	2454	7205	
8/1/90	6	2521	7404	
8/1/90	7	2660	7815	
8/1/90	8	2600	7769	
8/1/90	9	2196	6193	
8/1/90	10	2228	6428	
8/1/90	11	2686	7847	
8/1/90	12	2205	6319	
8/1/90	13	2527	7412	
8/1/90	14	1879	5381	
8/1/90	15	1554	4830	
8/1/90	16	1809	5263	
8/3/90		1537	4555	background, collected same location as #1
8/3/90	17	1976	5372	
8/3/90	18	1844	5406	
8/3/90	19	2207	6969	
8/3/90	20	2297	7138	
8/3/90	21	2271	7801	
8/3/90	22	2290	6406	
8/3/90	23	1894	4780	
8/3/90	24	2332	7102	
8/3/90	25	2282	6779	
8/3/90	26	2222	6686	
8/3/90	27	2220	6309	
8/3/90	28	2397	7221	
8/3/90	29	2203	6958	
8/3/90	30	2464	7205	
8/3/90	31	1557	5018	

Table 1. FIDLER data at SEP

8/3/90	32	2095	6051	
8/3/90	33	1239	3794	
8/3/90	34	2108	6243	background, measured near southwest door of 788
8/3/90	35	4287	7782	
8/3/90	36	1712	4700	
8/3/90	37	2751	6819	
8/3/90	38	3898	9442	
8/3/90	39	3644	8992	
8/3/90	40	4574	10292	measured on hose , soil apparently not elevated
8/3/90	41	11022	14401	southwest corner of horshoe pit area
8/3/90	42	45434	59782	
8/3/90	43	44364	82672	
8/3/90	44	75998	131504	
8/3/90	45	5067	13000	
8/3/90	46	11821	25447	
8/3/90	47	6955	34573	
8/3/90	48	3123	10788	immediately southwest of air sampler
8/3/90	49	33940	53893	immediately southeast of air sampler
8/3/90	50	43742	78527	
8/3/90	51	25814	41944	
8/3/90	52	9525	20344	
8/3/90	53	8949	15237	
8/3/90	54	21089	34610	
8/3/90	55	307410	511871	measured above cement chips underneath mixer
8/3/90	56	8406	17481	
8/3/90	57	2034	5114	
8/3/90	58	4335	16318	
8/3/90	59	6118	12814	
8/3/90	60	1531	4651	
8/3/90	61	10489	16354	
8/3/90	62	1267	3777	
8/3/90	63	1492	4166	
8/3/90	64	18920	22567	
8/3/90	65	4825	10618	
8/3/90	66	8926	19267	

Table 1. FIDLER data at SEP

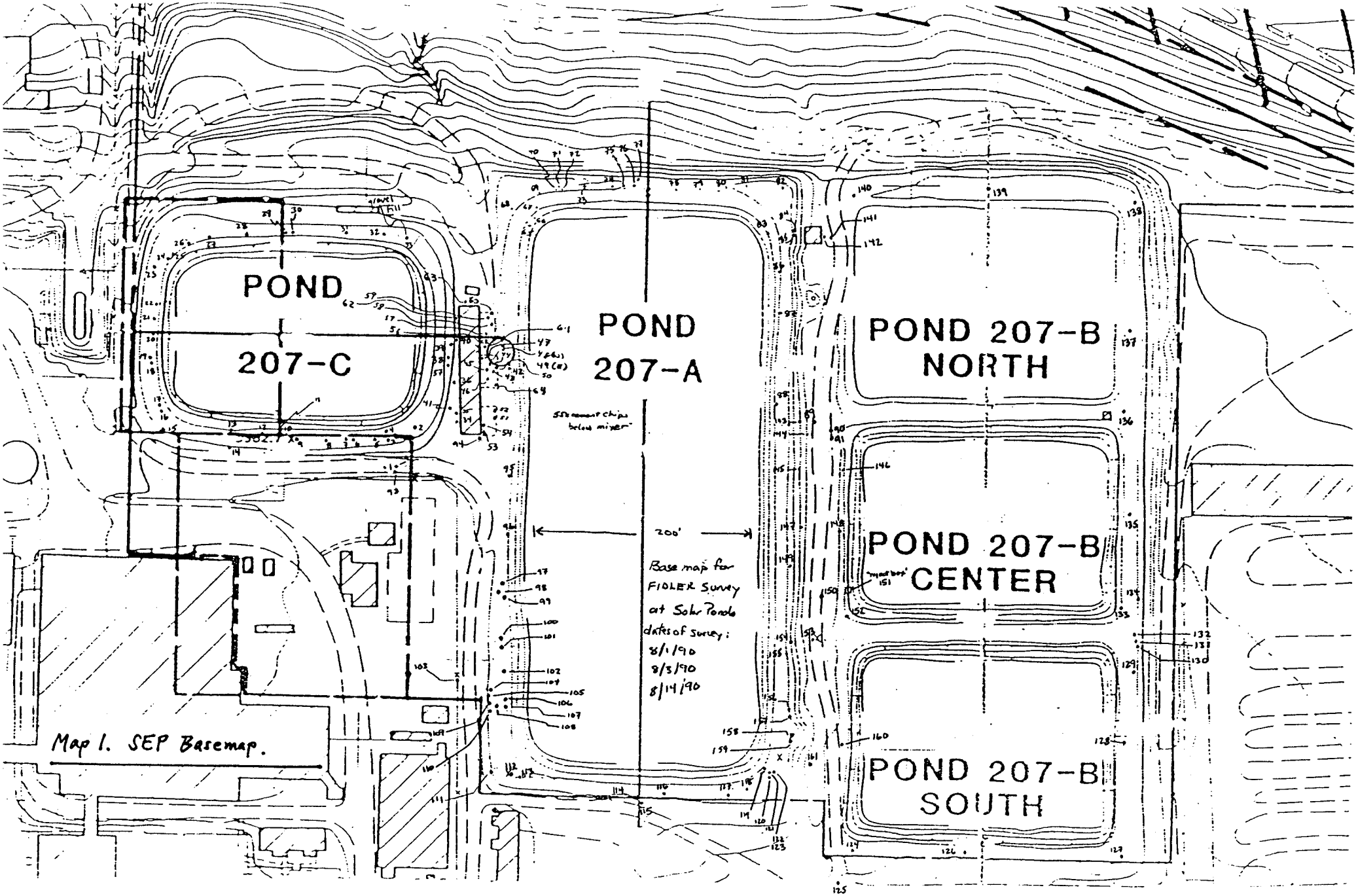
8/3/90	67	7012	13125	
8/3/90	68	2757	5009	
8/3/90	69	5232	20727	
8/3/90	70	7165	10487	
8/3/90	71	12003	22879	
8/3/90	72	27694	52224	
8/3/90	73	2136	5855	
8/3/90	74	19116	70610	measured at west end of rubber pipe
8/3/90	75	5090	10482	measured at east end of rubber pipe
		5163	11065	soil beneath the pipe
8/3/90	76	5764	12161	area with dead weeds appears elevated
8/3/90	77	3978	8301	soil, not above weeds
8/3/90	78	8711	15363	
8/3/90	79	12654	21628	
8/3/90	80	5584	9413	
8/3/90	81	9123	18954	
8/3/90	82	5831	11169	
8/3/90	83	5976	10635	
8/3/90	84	13763	22092	measured above cotton(?) rope
8/3/90	85	6534	13829	measured above cotton(?) rope
8/3/90	86	14664	25831	
8/3/90	87	6008	12772	
8/3/90	88	8396	20175	
8/3/90	89	23309	24769	at end of metal pipe
8/3/90	90	17000	53867	above soil
8/3/90	91	18745	44793	
8/14/90	92	1507	5005	background in middle of the road
8/14/90	93	1497	5000	background in middle of the road
8/14/90	94	5070	9775	
8/14/90	95	2203	6705	
8/14/90	96	2307	7149	
8/14/90	97	13156	16603	
8/14/90	98	10301	26809	
8/14/90	99	8652	16412	
8/14/90	100	10407	22305	

Table 1. FIDLER data at SEP

8/14/90	101	6533	19117	
8/14/90	102	9505	13209	
8/14/90	103	2011	5823	
8/14/90	104	25116	54315	
8/14/90	105	14174	58057	
8/14/90	106	7587	20021	
8/14/90	107	6284	15395	
8/14/90	108	14540	28394	
8/14/90	109	35988	66829	
8/14/90	110	9750	18134	
8/14/90	111	1968	5877	
8/14/90	112	11390	25217	
8/14/90	113	16264	38389	
8/14/90	114	10633	19905	measured above dead weeds on top of berm
8/14/90	115	6737	20862	
8/14/90	116	8617	19558	measured along small erosional gully 2' south of berm
8/14/90	117	6327	20300	
8/14/90	118	9944	17381	measured in small gully
8/14/90	119	7979	27436	measured just inside berm
8/14/90	120	11214	20213	
8/14/90	121	12670	24024	
8/14/90	122	14539	28533	122 and 123 are within 3' of each other
8/14/90	123	11428	24578	
8/14/90	124	2113	5426	
8/14/90	125	1402	4073	background in middle of the road
8/14/90	126	1487	4252	
8/14/90	127	1321	3637	
8/14/90	128	1267	3740	
8/14/90	129	1349	3733	
8/14/90	130	6695	19357	
8/14/90	131	15193	37825	
8/14/90	132	14644	26730	
8/14/90	133	11956	24394	
8/14/90	134	19808	38796	
8/14/90	135	1569	4120	

Table 1. FIDLER data at SEP

8/14/90	136	2619	6256	
8/14/90	137	1408	3887	
8/14/90	138	2711	6017	
8/14/90	139	1606	4043	
8/14/90	140	1046	3201	
8/14/90	141	4368	9727	
8/14/90	142	4139	4139	
8/14/90	143	11406	32708	
8/14/90	144	21577	36571	
8/14/90	145	7825	16089	
8/14/90	146	10637	15602	
8/14/90	147	8553	16909	
8/14/90	148	1697	4539	
8/14/90	149	11119	21137	
8/14/90	150	1789	4544	measured in middle of the road
8/14/90	151	63754	132357	measured inside "reject" box by dozer
8/14/90	152	44298	56325	measured just south of dozer on ground
8/14/90	153	2739	6498	
8/14/90	154	11644	20564	
8/14/90	155	14068	27740	
8/14/90	156	16010	31715	
8/14/90	157	14481	19382	
8/14/90	158	16397	26999	
8/14/90	159	19028	39301	
8/14/90	160	1785	5162	
8/14/90	161	7610	13926	measured by sewer manhole
8/14/90				



Map 1. SEP Basemap.

INTERNATIONAL TECHNOLOGY CORPORATION

(FAX) TELECOPY COVER SHEET
DENVER ENGINEERING

Time In 0850 Time Out _____ Pages to Follow: 3 Date: 09 / 25 / 90

Project No.: 304909.01.02

TO Pete Folger

- ☐ ALBUQUERQUE
- ☒ ARLINGTON,TX - PEI
- ☐ AUSTIN
- ☐ CARLSBAD
- ☐ CERRITOS LAB
- ☐ CINCINNATI
- ☐ EDISON
- ☐ EXPORT
- ☐ HOUSTON
- ☐ IRVINE
- ☐ KNOXVILLE (ENGR)
- ☐ KNOXVILLE (LAB)
- ☐ KNOXVILLE (NUC)
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- ☒ TAMPA
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- ☐ WASHINGTON,DC - PEI
- ☒ WASHINGTON,DC - IT
- ☐ WILMINGTON

OTHER DESTINATIONS

Company Name	EG&G Rocky Flats
City & State	Golden CO
FAX No.	966-7198

FROM Chris Rayburn

IT Corporation - Denver
5600 S. Quebec, Ste 280 D
Englewood, CO 80111

TELECOPIER - 303-770-7476
VERIFICATION - 303-694-0044

Sending Operator	
Receiving Operator	

COMMENTS

Pete-

Please let me know if this is an accurate account of our discussion.

The revised Phase I RFI for the SEP is a ways in the future - this will be retained in our files as background info for the revision.

Thanks

INTERNATIONAL TECHNOLOGY CORPORATION

By CJR Date 09-19-90 Subject Interview Log + sample location map Sheet No. 1 of 3
Chkd. By ____ Date ____ Proj. No. 304909
0.5cm. X 0.5cm.

Interview with Pete Folger, EG&G Environmental Restoration and Bonnie Pauley, EG&G Clean Air

Tuesday, 09-18-90

SUMMARY

Revision 1 of the draft Phase I RFI/RI Work Plan for the Solar Evaporation Ponds (SEP) was submitted to EG&G on or about June 4, 1990. Since this time, soil sampling has been conducted at the SEP. The samples were collected in response to an apparent increase in airborne plutonium near a recently installed trailer between Building 788 and Pond 207A. An air sampler (S-01) at the site recorded a steady climb in average Pu concentrations in ambient air, from 0.00033 pCi/m^3 in February 1990 to 0.00306 pCi/m^3 in June 1990. This sampler was placed in service in September or October 1989.

Three surface soil samples, each composited from fifteen subsamples, were collected at the site on June 12, 1990 and analyzed for Pu and Am. Exact sample locations and preliminary analytical data are given in the attached figure. The analytical results, which have not yet been validated, show an approximate Am to Pu ratio of 2:1 in the soil.

INTERNATIONAL TECHNOLOGY CORPORATION

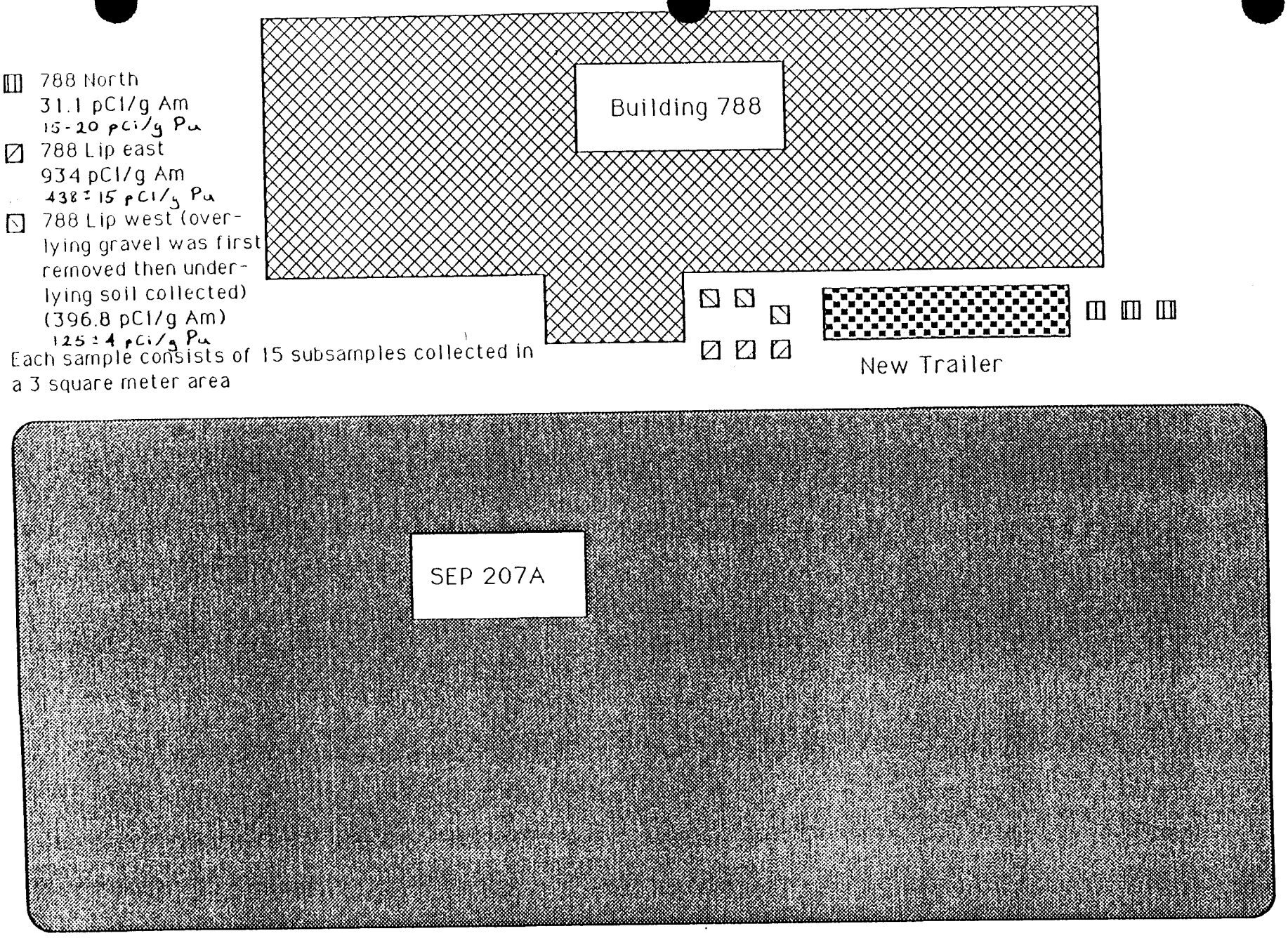
By CJR Date 09-19-90 Subject Interview Log + sample location map Sheet No. 2 of 3

Chkd. By ____ Date ____ Proj. No. 304909

0.5cm. X 0.5cm.

This ratio is similar to that recorded in water and sludge samples from Pond 207A, suggesting that the pond is the probable source of the Pu and Am in the soil samples. A FIDLER radiation survey was also conducted over the area, but the results have not yet been interpreted.

Additional samples are planned to further characterize Pu and Am in soils around Building 788 and north of the SEP. The exact sampling locations remain to be determined.



304907
09-19-90
Page 3 of 3

APPENDIX F

GROUND WATER ANALYTICAL RESULTS
SOLAR PONDS AREA

- Ground water analytical data from surficial materials, 1990
- Ground water analytical data from weathered bedrock, 1990
- Ground water analytical data from 1989 borings, VOCs only

1990 Groundwater Quality Data
Solar Evaporation Ponds - Surficial Materials

Well Id	Analyte Group	Analyte	Background Exceedance Value	Sample Date	Detection Limit	Concentration	Unit	Lab Qualifier
B208789	Volatile Organics	STYRENE		02/28/90		5	UG/L	U
		STYRENE	5	05/24/90	5	5	UG/L	U
		STYRENE	5	08/01/90	5	5	UG/L	U
		STYRENE	5	10/23/90	5	5	UG/L	U
		TETRACHLOROETHENE	5	02/27/90	5	5	UG/L	U
		TETRACHLOROETHENE		02/28/90		5	UG/L	U
		TETRACHLOROETHENE	5	05/24/90	5	5	UG/L	U
		TETRACHLOROETHENE	5	08/01/90	5	5	UG/L	U
		TETRACHLOROETHENE	5	10/23/90	5	5	UG/L	U
		TOLUENE	5	02/27/90	5	5	UG/L	U
		TOLUENE		02/28/90		5	UG/L	U
		TOLUENE	5	05/24/90	5	5	UG/L	U
		TOLUENE	5	08/01/90	5	5	UG/L	U
		TOLUENE	5	10/23/90	5	5	UG/L	U
		TOTAL XYLENES		02/28/90		5	UG/L	U
		TOTAL XYLENES	5	08/01/90	5	5	UG/L	U
		TOTAL XYLENES	5	10/23/90	5	5	UG/L	U
		TRICHLOROETHENE	5	02/27/90	5	5	UG/L	U
		TRICHLOROETHENE		02/28/90		5	UG/L	U
		TRICHLOROETHENE	5	05/24/90	5	5	UG/L	U
		TRICHLOROETHENE	5	08/01/90	5	5	UG/L	U
		TRICHLOROETHENE	5	10/23/90	5	5	UG/L	U
		VINYL ACETATE	10	02/27/90	10	10	UG/L	U
		VINYL ACETATE		02/28/90		10	UG/L	U
		VINYL ACETATE	10	05/24/90	10	10	UG/L	U
		VINYL ACETATE	10	08/01/90	10	10	UG/L	U
		VINYL ACETATE	10	10/23/90	10	10	UG/L	U
		VINYL CHLORIDE	10	02/27/90	10	10	UG/L	U
		VINYL CHLORIDE		02/28/90		10	UG/L	U
		VINYL CHLORIDE	10	05/24/90	10	10	UG/L	U
		VINYL CHLORIDE	10	08/01/90	10	10	UG/L	U
		VINYL CHLORIDE	10	10/23/90	10	10	UG/L	U
		XYLENES (TOTAL)	5	02/27/90	5	5	UG/L	U
		XYLENES (TOTAL)	5	05/24/90	5	5	UG/L	U
		cis-1,3-DICHLOROPROPENE	5	02/27/90	5	5	UG/L	U
		cis-1,3-DICHLOROPROPENE		02/28/90		5	UG/L	U
		cis-1,3-DICHLOROPROPENE	5	05/24/90	5	5	UG/L	U
		cis-1,3-DICHLOROPROPENE	5	08/01/90	5	5	UG/L	U
		cis-1,3-DICHLOROPROPENE	5	10/23/90	5	5	UG/L	U
		trans-1,3-DICHLOROPROPENE	5	02/27/90	5	5	UG/L	U
		trans-1,3-DICHLOROPROPENE		02/28/90		5	UG/L	U
		trans-1,3-DICHLOROPROPENE	5	05/24/90	5	5	UG/L	U
		trans-1,3-DICHLOROPROPENE	5	08/01/90	5	5	UG/L	U
		trans-1,3-DICHLOROPROPENE	5	10/23/90	5	5	UG/L	U
P207489	Inorganics	CARBONATE	5	03/14/90		5	MG/L	U
		CARBONATE	5	06/01/90	10	10	MG/L	U

1990 Groundwater Quality Data
Solar Evaporation Ponds - Surficial Materials

Well Id	Analyte Group	Analyte	Background Exceedance Value	Sample Date	Detection Limit	Concentration	Unit	Lab Qualifier
P207489	Inorganics	CARBONATE	5	08/14/90		1	MG/L	U
		CARBONATE, HYDROGEN	249.35	03/14/90		360	MG/L	
		CARBONATE, HYDROGEN	249.35	06/01/90	10	313	MG/L	
		CARBONATE, HYDROGEN	249.35	08/14/90		300	MG/L	
		CHLORIDE (North)	10.67	03/14/90		30	MG/L	
		CHLORIDE (North)	10.67	06/01/90	5	24.2	MG/L	
		CHLORIDE (North)	10.67	08/14/90		22	MG/L	
		FLUORIDE	0.1	03/14/90		0.7	MG/L	
		FLUORIDE	0.1	06/01/90		0.73	MG/L	
		FLUORIDE	0.1	08/14/90		0.5	MG/L	U
		NITRATE/NITRITE	3.43	03/14/90		0.98	MG/L	
		NITRATE/NITRITE	3.43	06/01/90	1	2.5	MG/L	
		NITRATE/NITRITE	3.43	08/14/90		9.4	MG/L	
		NITRITE		06/01/90		0.02	MG/L	U
		NITRITE		08/14/90		0.01	MG/L	U
		PH	8.22	03/14/90		7.8	PHUNIT	
		PHOSPHATE		08/14/90		0.01	MG/L	U
		SULFATE	67.08	03/14/90		84	MG/L	
		SULFATE	67.08	06/01/90	25	78.5	MG/L	
		SULFATE	67.08	08/14/90		130	MG/L	
		TOTAL DISSOLVED SOLIDS	388.76	03/14/90		490	MG/L	
		TOTAL DISSOLVED SOLIDS	388.76	06/01/90	10	488	MG/L	
		TOTAL DISSOLVED SOLIDS	388.76	08/14/90		580	MG/L	
		TOTAL SUSPENDED SOLIDS	5	06/01/90	5	5	MG/L	U
		TOTAL SUSPENDED SOLIDS		08/14/90		2	MG/L	
P207489	Dissolved Metals	ALUMINUM	0.327	03/14/90	200	37.9	UG/L	U
		ALUMINUM	0.327	06/01/90	10.5	30	UG/L	B
		ALUMINUM	0.327	06/01/90	10.5	30.0	UG/L	U
		ANTIMONY	0.5	03/14/90	60	26.0	UG/L	U
		ANTIMONY	0.5	06/01/90	18.3	18.3	UG/L	U
		ARSENIC	0.01	03/14/90	10	2.0	UG/L	U
		ARSENIC	0.01	06/01/90		0.9	UG/L	U
		BARIUM	0.2	03/14/90	200	120	UG/L	
		BARIUM	0.2	06/01/90	9.7	110	UG/L	B
		BERYLLIUM	0.005	03/14/90	5	1.0	UG/L	U
		BERYLLIUM	0.005	06/01/90		0.9	UG/L	U
		CADMIUM	0.011	03/14/90	5	2.0	UG/L	U
		CADMIUM	0.011	06/01/90	4.4	4.4	UG/L	U
		CALCIUM	62.59	03/14/90	5000	87600	UG/L	
		CALCIUM	62.59	06/01/90	15.7	88200	UG/L	
		CESIUM	2.5	03/14/90	1000	50.0	UG/L	U
		CESIUM	2.5	06/01/90	1000	1000	UG/L	U
		CHROMIUM	0.02	03/14/90	10	5.0	UG/L	U
		CHROMIUM	0.02	06/01/90	6.6	6.6	UG/L	U
		COBALT	0.05	03/14/90	50	4.0	UG/L	U
		COBALT	0.05	06/01/90	3.3	3.3	UG/L	U

1990 Groundwater Quality Data
Solar Evaporation Ponds - Surficial Materials

Well Id	Analyte Group	Analyte	Background Exceedance Value	Sample Date	Detection Limit	Concentration	Unit	Lab Qualifier
P207489	Dissolved Metals	COPPER	0.048	03/14/90	25	7.9	UG/L	
		COPPER	0.048	06/01/90	4.7	4.7	UG/L	B
		COPPER	0.048	06/01/90	4.7	4.7	UG/L	U
		IRON	0.944	03/14/90	100	34.6	UG/L	J
		IRON	0.944	06/01/90	13.2	27.0	UG/L	U
		IRON	0.944	06/01/90	13.2	27.1	UG/L	B
		LEAD	0.040	03/14/90	5	1.0	UG/L	U
		LEAD	0.040	06/01/90	1.2	3.3	UG/L	
		LEAD	0.040	06/01/90	1.2	3.3	UG/L	U
		LITHIUM	1.79	03/14/90	100	13.3	UG/L	J
		LITHIUM	1.79	06/01/90		12.0	UG/L	B
		MAGNESIUM	16.09	03/14/90	5000	23300	UG/L	
		MAGNESIUM	16.09	06/01/90	51.8	24100	UG/L	
		MANGANESE	0.213	03/14/90	15	118	UG/L	J
		MANGANESE	0.213	06/01/90	1.2	41.3	UG/L	
		MERCURY	0.0008	03/14/90		0.2	UG/L	U
		MERCURY	0.0008	06/01/90		0.2	UG/L	U
		MOLYBDENUM	0.5	03/14/90	200	35.0	UG/L	U
		MOLYBDENUM	0.5	06/01/90	5.9	5.9	UG/L	U
		NICKEL	0.043	03/14/90	40	7.2	UG/L	
		NICKEL	0.043	06/01/90	4.7	4.7	UG/L	U
		POTASSIUM	11.3	03/14/90	5000	706	UG/L	U
		POTASSIUM	11.3	06/01/90	70.0	560	UG/L	B
		SELENIUM	0.221	03/14/90	5	3.0	UG/L	U
		SELENIUM	0.221	06/01/90	1.7	1.7	UG/L	U
		SILICON	20.4	06/01/90	20.4	5730	UG/L	
		SILVER	0.004	03/14/90	10	6.0	UG/L	U
		SILVER	0.004	06/01/90	4.5	4.5	UG/L	U
		SODIUM	46.74	03/14/90	5000	44000	UG/L	
		SODIUM	46.74	06/01/90	15.5	41600	UG/L	
		STRONTIUM	7.12	03/14/90	200	678	UG/L	
		STRONTIUM	7.12	06/01/90	20.4	5730	UG/L	
		STRONTIUM	7.12	06/01/90	13.1	654	UG/L	B
		THALLIUM	1	03/14/90	10	5.0	UG/L	U
		THALLIUM	1	06/01/90	1.6	1.6	UG/L	U
		TIN	1	03/14/90	200	25.0	UG/L	U
		TIN	1	06/01/90	30.2	30.2	UG/L	U
		VANADIUM	0.05	03/14/90	50	6.0	UG/L	U
		VANADIUM	0.05	06/01/90	1.2	1.3	UG/L	B
		VANADIUM	0.05	06/01/90	1.2	1.3	UG/L	U
		ZINC	0.141	03/14/90	20	16.6	UG/L	U
		ZINC	0.141	06/01/90	2.9	19.9	UG/L	B
		ZINC	0.141	06/01/90	2.9	19.9	UG/L	U
P207489	Total Radionuclides	AMERICIUM-241	0.0167	03/14/90		1.146	PCI/L	
		CESIUM-137	0.506	03/14/90		-5.828	PCI/L	
		GROSS ALPHA - PARTICULATE	55.07	03/14/90	1.91	4.477	PCI/L	

1990 Groundwater Quality Data
Solar Evaporation Ponds - Surficial Materials

Well Id	Analyte Group	Analyte	Background Exceedance Value	Sample Date	Detection Limit	Concentration	Unit	Lab Qualifier
P207489	Total Radionuclides	URANIUM-233,234	0.1+/-.1	03/14/90		1.488	PCI/L	
		URANIUM-235,236		03/14/90		4.503	PCI/L	
		URANIUM-238	25.57	03/14/90		1.19	PCI/L	
P207489	Volatile Organics	1,1,1-TRICHLOROETHANE	5	03/14/90	5	5	PPB	U
		1,1,1-TRICHLOROETHANE	5	06/01/90	5	5	UG/L	U
		1,1,1-TRICHLOROETHANE	5	06/01/90	5	5	UG/L	U
		1,1,2,2-TETRACHLOROETHANE	5	03/14/90	5	5	PPB	U
		1,1,2,2-TETRACHLOROETHANE	5	06/01/90	5	5	UG/L	U
		1,1,2,2-TETRACHLOROETHANE	5	06/01/90	5	5	UG/L	U
		1,1,2-TRICHLOROETHANE	5	03/14/90	5	5	PPB	U
		1,1,2-TRICHLOROETHANE	5	06/01/90	5	5	UG/L	U
		1,1,2-TRICHLOROETHANE	5	06/01/90	5	5	UG/L	U
		1,1-DICHLOROETHANE	5	03/14/90	5	5	PPB	U
		1,1-DICHLOROETHANE	5	06/01/90	5	5	UG/L	U
		1,1-DICHLOROETHANE	5	06/01/90	5	5	UG/L	U
		1,1-DICHLOROETHENE	5	03/14/90	5	5	PPB	U
		1,1-DICHLOROETHENE	5	06/01/90	5	5	UG/L	U
		1,1-DICHLOROETHENE	5	06/01/90	5	5	UG/L	U
		1,2-DICHLOROETHANE	5	03/14/90	5	5	PPB	U
		1,2-DICHLOROETHANE	5	06/01/90	5	5	UG/L	U
		1,2-DICHLOROETHANE	5	06/01/90	5	5	UG/L	U
		1,2-DICHLOROETHENE (Total)	5	03/14/90	5	5	PPB	U
		1,2-DICHLOROETHENE (Total)	5	06/01/90	5	5	UG/L	U
		1,2-DICHLOROETHYLENE	5	06/01/90	5	5	UG/L	U
		1,2-DICHLOROPROPANE	5	03/14/90	5	5	PPB	U
		1,2-DICHLOROPROPANE	5	06/01/90	5	5	UG/L	U
		1,2-DICHLOROPROPANE	5	06/01/90	5	5	UG/L	U
		2-BUTANONE	10	03/14/90	10	10	PPB	U
		2-BUTANONE	10	06/01/90	10	10	UG/L	U
		2-BUTANONE	10	06/01/90	10	10	UG/L	U
		2-HEXANONE	10	03/14/90	10	10	PPB	U
		2-HEXANONE	10	06/01/90	10	10	UG/L	U
		2-HEXANONE	10	06/01/90	10	10	UG/L	U
		4-METHYL-2-PENTANONE	10	03/14/90	10	10	PPB	U
		4-METHYL-2-PENTANONE	10	06/01/90	10	10	UG/L	U
		4-METHYL-2-PENTANONE	10	06/01/90	10	10	UG/L	U
		ACETONE	10	03/14/90	10	8	PPB	J
		ACETONE	10	06/01/90	10	18	UG/L	B
		ACETONE	10	06/01/90	10	18	UG/L	U
		BENZENE	5	03/14/90	5	5	PPB	U
		BENZENE	5	06/01/90	5	5	UG/L	U
		BENZENE	5	06/01/90	5	5	UG/L	U
		BROMODICHLOROMETHANE	5	03/14/90	5	5	PPB	U
		BROMODICHLOROMETHANE	5	06/01/90	5	5	UG/L	U
		BROMODICHLOROMETHANE	5	06/01/90	5	5	UG/L	U
		BROMOFORM	5	03/14/90	5	5	PPB	U

1990 Groundwater Quality Data
Solar Evaporation Ponds - Surficial Materials

Well Id	Analyte Group	Analyte	Background Exceedance Value	Sample Date	Detection Limit	Concentration	Unit	Lab Qualifier
P207489	Volatile Organics	BROMOFORM	5	06/01/90	5	5	UG/L	U
		BROMOFORM	5	06/01/90	5	5	UG/L	U
		BROMOMETHANE	10	03/14/90	10	10	PPB	U
		BROMOMETHANE	10	06/01/90	10	10	UG/L	U
		BROMOMETHANE	10	06/01/90	10	10	UG/L	U
		CARBON DISULFIDE	5	03/14/90	5	5	PPB	U
		CARBON DISULFIDE	5	06/01/90	5	5	UG/L	U
		CARBON DISULFIDE	5	06/01/90	5	5	UG/L	U
		CARBON TETRACHLORIDE	5	03/14/90	5	5	PPB	U
		CARBON TETRACHLORIDE	5	06/01/90	5	5	UG/L	U
		CARBON TETRACHLORIDE	5	06/01/90	5	5	UG/L	U
		CHLOROBENZENE	5	03/14/90	5	5	PPB	U
		CHLOROBENZENE	5	06/01/90	5	5	UG/L	U
		CHLOROBENZENE	5	06/01/90	5	5	UG/L	U
		CHLOROETHANE	10	03/14/90	10	10	PPB	U
		CHLOROETHANE	10	06/01/90	10	10	UG/L	U
		CHLOROETHANE	10	06/01/90	10	10	UG/L	U
		CHLOROFORM	5	03/14/90	5	5	PPB	U
		CHLOROFORM	5	06/01/90	5	5	UG/L	U
		CHLOROFORM	5	06/01/90	5	5	UG/L	U
		CHLOROMETHANE	10	03/14/90	10	10	PPB	U
		CHLOROMETHANE	10	06/01/90	10	10	UG/L	U
		CHLOROMETHANE	10	06/01/90	10	10	UG/L	U
		DIBROMOCHLOROMETHANE	5	03/14/90	5	5	PPB	U
		DIBROMOCHLOROMETHANE	5	06/01/90	5	5	UG/L	U
		DIBROMOCHLOROMETHANE	5	06/01/90	5	5	UG/L	U
		ETHYLBENZENE	5	03/14/90	5	5	PPB	U
		ETHYLBENZENE	5	06/01/90	5	5	UG/L	U
		ETHYLBENZENE	5	06/01/90	5	5	UG/L	U
		METHYLENE CHLORIDE	5	03/14/90	5	5	PPB	U
		METHYLENE CHLORIDE	5	06/01/90	5	15	UG/L	B
		METHYLENE CHLORIDE	5	06/01/90	5	15	UG/L	U
		STYRENE	5	03/14/90	5	5	PPB	U
		STYRENE	5	06/01/90	5	5	UG/L	U
		STYRENE	5	06/01/90	5	5	UG/L	U
		TETRACHLOROETHENE	5	03/14/90	5	5	PPB	U
		TETRACHLOROETHENE	5	06/01/90	5	5	UG/L	U
		TETRACHLOROETHENE	5	06/01/90	5	5	UG/L	U
		TOLUENE	5	03/14/90	5	5	PPB	U
		TOLUENE	5	06/01/90	5	5	UG/L	U
		TOLUENE	5	06/01/90	5	5	UG/L	U
		TOTAL XYLENES	5	06/01/90	5	5	UG/L	U
		TRICHLOROETHENE	5	03/14/90	5	5	PPB	U
		TRICHLOROETHENE	5	06/01/90	5	5	UG/L	U
		TRICHLOROETHENE	5	06/01/90	5	5	UG/L	U
		VINYL ACETATE	10	03/14/90	10	10	PPB	U

1990 Groundwater Quality Data
Solar Evaporation Ponds - Surficial Materials

Well Id	Analyte Group	Analyte	Background Exceedance Value	Sample Date	Detection Limit	Concentration	Unit	Lab Qualifier
P207489	Volatile Organics	VINYL ACETATE	10	06/01/90	10	10	UG/L	U
		VINYL ACETATE	10	06/01/90	10	10	UG/L	U
		VINYL CHLORIDE	10	03/14/90	10	10	PPB	U
		VINYL CHLORIDE	10	06/01/90	10	10	UG/L	U
		VINYL CHLORIDE	10	06/01/90	10	10	UG/L	U
		XYLENES (TOTAL)	5	03/14/90	5	5	PPB	U
		XYLENES (TOTAL)	5	06/01/90	5	5	UG/L	U
		cis-1,3-DICHLOROPROPENE	5	03/14/90	5	5	PPB	U
		cis-1,3-DICHLOROPROPENE	5	06/01/90	5	5	UG/L	U
		cis-1,3-DICHLOROPROPENE	5	06/01/90	5	5	UG/L	U
		trans-1,3-DICHLOROPROPENE	5	03/14/90	5	5	PPB	U
		trans-1,3-DICHLOROPROPENE	5	06/01/90	5	5	UG/L	U
		trans-1,3-DICHLOROPROPENE	5	06/01/90	5	5	UG/L	U
P207589	Volatile Organics	1,1,1-TRICHLOROETHANE	5	07/19/90	5	5	UG/L	U
		1,1,2,2-TETRACHLOROETHANE	5	07/19/90	5	5	UG/L	U
		1,1,2-TRICHLOROETHANE	5	07/19/90	5	5	UG/L	U
		1,1-DICHLOROETHANE	5	07/19/90	5	5	UG/L	U
		1,1-DICHLOROETHENE	5	07/19/90	5	5	UG/L	U
		1,2-DICHLOROETHANE	5	07/19/90	5	5	UG/L	U
		1,2-DICHLOROETHYLENE	5	07/19/90	5	5	UG/L	U
		1,2-DICHLOROPROPANE	5	07/19/90	5	5	UG/L	U
		2-BUTANONE	10	07/19/90	10	10	UG/L	U
		2-HEXANONE	10	07/19/90	10	10	UG/L	U
		4-METHYL-2-PENTANONE	10	07/19/90	10	10	UG/L	U
		ACETONE	10	07/19/90	10	10	UG/L	U
		BENZENE	5	07/19/90	5	5	UG/L	U
		BROMODICHLOROMETHANE	5	07/19/90	5	5	UG/L	U
		BROMOFORM	5	07/19/90	5	5	UG/L	U
		BROMOMETHANE	10	07/19/90	10	10	UG/L	U
		CARBON DISULFIDE	5	07/19/90	5	5	UG/L	U
		CARBON TETRACHLORIDE	5	07/19/90	5	5	UG/L	U
		CHLOROBENZENE	5	07/19/90	5	5	UG/L	U
		CHLOROETHANE	10	07/19/90	10	10	UG/L	U
		CHLOROFORM	5	07/19/90	5	5	UG/L	U
		CHLOROMETHANE	10	07/19/90	10	10	UG/L	U
		DIBROMOCHLOROMETHANE	5	07/19/90	5	5	UG/L	U
		ETHYLBENZENE	5	07/19/90	5	5	UG/L	U
		METHYLENE CHLORIDE	5	07/19/90	5	6	UG/L	B
		STYRENE	5	07/19/90	5	5	UG/L	U
		TETRACHLOROETHENE	5	07/19/90	5	5	UG/L	U
		TOLUENE	5	07/19/90	5	5	UG/L	U
		TOTAL XYLENES	5	07/19/90	5	5	UG/L	U
		TRICHLOROETHENE	5	07/19/90	5	5	UG/L	U
		VINYL ACETATE	10	07/19/90	10	10	UG/L	U
		VINYL CHLORIDE	10	07/19/90	10	10	UG/L	U
		cis-1,3-DICHLOROPROPENE	5	07/19/90	5	5	UG/L	U

1990 Groundwater Quality Data
Solar Evaporation Ponds - Surficial Materials

Well Id	Analyte Group	Analyte	Background Exceedance Value	Sample Date	Detection Limit	Concentration	Unit	Lab Qualifier
P207589	Volatile Organics	trans-1,3-DICHLOROPROPENE	5	07/19/90	5	5	UG/L	U
P207689	Inorganics	CARBONATE, HYDROGEN	249.35	07/17/90	1.0	360	MG/L	
		CHLORIDE (North)	10.67	07/17/90		96	MG/L	
		CYANIDE	0.01	01/31/90	10	10.0	UG/L	U
		CYANIDE	0.01	07/17/90	10	1.50	UG/L	U
		CYANIDE	0.01	07/17/90	10	1.50	UG/L	U
		FLUORIDE	0.1	07/17/90		0.9	MG/L	
		NITRATE/NITRITE	3.43	07/17/90		69	MG/L	
		NITRITE		07/17/90		0.02	MG/L	U
		PHOSPHATE		07/17/90		0.04	MG/L	
		SILICA, DISSOLVED		07/17/90		8.6	MG/L	
		SULFATE	67.08	07/17/90	2.0	290	MG/L	
		TOTAL DISSOLVED SOLIDS	388.76	07/17/90	10.0	1300	MG/L	
		TOTAL SUSPENDED SOLIDS	4.0	07/17/90	4.0	150	MG/L	
P207689	Dissolved Metals	ALUMINUM	0.327	01/31/90	200	84.0	UG/L	U
		ALUMINUM	0.327	07/17/90	200	75.90	UG/L	B
		ANTIMONY	0.5	01/31/90	60	22.0	UG/L	U
		ANTIMONY	0.5	07/17/90	60	39.30	UG/L	B
		ARSENIC	0.01	01/31/90	10	2.0	UG/L	U
		ARSENIC	0.01	07/17/90	10	1.00	UG/L	U
		BARIUM	0.2	01/31/90	200	52.7	UG/L	
		BARIUM	0.2	07/17/90	200	95.50	UG/L	B
		BERYLLIUM	0.005	01/31/90	5	1.0	UG/L	U
		BERYLLIUM	0.005	07/17/90	5	6.40	UG/L	
		CADMIUM	0.011	01/31/90	5	3.0	UG/L	U
		CADMIUM	0.011	07/17/90	5	5.80	UG/L	
		CALCIUM	62.59	01/31/90	5000	147000	UG/L	
		CALCIUM	62.59	07/17/90	5000	94500.00	UG/L	
		CESIUM	2.5	01/31/90	1000	2500	UG/L	U
		CESIUM	2.5	07/17/90	1000	147.00	UG/L	U
		CHROMIUM	0.02	01/31/90	10	2.0	UG/L	U
		CHROMIUM	0.02	07/17/90	10	6.00	UG/L	U
		COBALT	0.05	01/31/90	50	4.0	UG/L	U
		COBALT	0.05	07/17/90	50	6.30	UG/L	B
		COPPER	0.048	01/31/90	25	5.0	UG/L	U
		COPPER	0.048	07/17/90	25	4.00	UG/L	B
		IRON	0.944	01/31/90	100	44.0	UG/L	U
		IRON	0.944	07/17/90	100	13.00	UG/L	U
		LEAD	0.040	01/31/90	5	3.0	UG/L	U
		LEAD	0.040	07/17/90	3	1.00	UG/L	U
		LITHIUM	1.79	01/31/90	100	100	UG/L	U
		LITHIUM	1.79	07/17/90	100	40.30	UG/L	B
		MAGNESIUM	16.09	01/31/90	5000	31800	UG/L	
		MAGNESIUM	16.09	07/17/90	5000	105000.00	UG/L	
		MANGANESE	0.213	01/31/90	15	28.0	UG/L	
		MANGANESE	0.213	07/17/90	15	3.50	UG/L	B

1990 Groundwater Quality Data
Solar Evaporation Ponds - Surficial Materials

Well Id	Analyte Group	Analyte	Background Exceedance Value	Sample Date	Detection Limit	Concentration	Unit	Lab Qualifier
P207689	Dissolved Metals	MERCURY	0.0008	01/31/90		0.20	UG/L	U
		MERCURY	0.0008	07/17/90	0	0.20	UG/L	U
		MOLYBDENUM	0.5	01/31/90	200	100	UG/L	U
		MOLYBDENUM	0.5	07/17/90	200	23.80	UG/L	B
		NICKEL	0.043	01/31/90	40	38.0	UG/L	J
		NICKEL	0.043	07/17/90	40	12.30	UG/L	B
		POTASSIUM	11.3	01/31/90	5000	1010	UG/L	U
		POTASSIUM	11.3	07/17/90	5000	1130.00	UG/L	B
		SELENIUM	0.221	01/31/90	5	462	UG/L	
		SELENIUM	0.221	07/17/90	5	19.00	UG/L	
		SILVER	0.004	01/31/90	10	3.0	UG/L	U
		SILVER	0.004	07/17/90	10	2.00	UG/L	U
		SODIUM	46.74	01/31/90	5000	172000	UG/L	
		SODIUM	46.74	07/17/90	5000	157000.00	UG/L	
		STRONTIUM	7.12	01/31/90	200	1010	UG/L	J
		STRONTIUM	7.12	07/17/90	200	2630.00	UG/L	
		THALLIUM	1	01/31/90	10	4.0	UG/L	U
		THALLIUM	1	07/17/90	10	3.00	UG/L	U
		TIN	1	01/31/90	200	100	UG/L	U
		TIN	1	07/17/90	200	91.60	UG/L	B
		VANADIUM	0.05	01/31/90	50	25.1	UG/L	U
		VANADIUM	0.05	07/17/90	50	18.30	UG/L	B
		ZINC	0.141	01/31/90	20	14.4	UG/L	U
		ZINC	0.141	07/17/90	20	7.90	UG/L	B
P207689	Volatile Organics	1,1,1-TRICHLOROETHANE	5	04/30/90	5	5	UG/L	U
		1,1,2,2-TETRACHLOROETHANE	5	04/30/90	5	5	UG/L	U
		1,1,2-TRICHLOROETHANE	5	04/30/90	5	5	UG/L	U
		1,1-DICHLOROETHANE	5	04/30/90	5	5	UG/L	U
		1,1-DICHLOROETHENE	5	04/30/90	5	5	UG/L	U
		1,2-DICHLOROETHANE	5	04/30/90	5	5	UG/L	U
		1,2-DICHLOROETHENE (Total)	5	04/30/90	5	5	UG/L	U
		1,2-DICHLOROPROPANE	5	04/30/90	5	5	UG/L	U
		2-BUTANONE	10	04/30/90	10	10	UG/L	U
		2-HEXANONE	10	04/30/90	10	10	UG/L	U
		4-METHYL-2-PENTANONE	10	04/30/90	10	10	UG/L	U
		ACETONE	10	04/30/90	10	34	UG/L	U
		BENZENE	5	04/30/90	5	5	UG/L	U
		BROMODICHLOROMETHANE	5	04/30/90	5	5	UG/L	U
		BROMOFORM	5	04/30/90	5	5	UG/L	U
		BROMOMETHANE	10	04/30/90	10	10	UG/L	U
		CARBON DISULFIDE	5	04/30/90	5	5	UG/L	U
		CARBON TETRACHLORIDE	5	04/30/90	5	5	UG/L	U
		CHLOROBENZENE	5	04/30/90	5	5	UG/L	U
		CHLOROETHANE	10	04/30/90	10	10	UG/L	U
		CHLOROFORM	5	04/30/90	5	5	UG/L	U
		CHLOROMETHANE	10	04/30/90	10	10	UG/L	U

1990 Groundwater Quality Data
Solar Evaporation Ponds - Surficial Materials

Well Id	Analyte Group	Analyte	Background Exceedance Value	Sample Date	Detection Limit	Concentration	Unit	Lab Qualifier
P207689	Volatile Organics	DIBROMOCHLOROMETHANE	5	04/30/90	5	5	UG/L	U
		ETHYLBENZENE	5	04/30/90	5	5	UG/L	U
		METHYLENE CHLORIDE	5	04/30/90	5	5	UG/L	U
		STYRENE	5	04/30/90	5	5	UG/L	U
		TETRACHLOROETHENE	5	04/30/90	5	5	UG/L	U
		TOLUENE	5	04/30/90	5	5	UG/L	U
		TRICHLOROETHENE	5	04/30/90	5	5	UG/L	U
		VINYL ACETATE	10	04/30/90	10	10	UG/L	U
		VINYL CHLORIDE	10	04/30/90	10	10	UG/L	U
		XYLENES (TOTAL)	5	04/30/90	5	5	UG/L	U
		cis-1,3-DICHLOROPROPENE	5	04/30/90	5	5	UG/L	U
		trans-1,3-DICHLOROPROPENE	5	04/30/90	5	5	UG/L	U
P207889	Inorganics	CARBONATE	5	02/05/90		5	MG/L	U
		CARBONATE	5	10/11/90	1.0	89	%	
		CARBONATE, HYDROGEN	249.35	02/05/90		430	MG/L	
		CARBONATE, HYDROGEN	249.35	07/19/90	1.0	330	MG/L	
		CARBONATE, HYDROGEN	249.35	10/11/90	1.0	350	MG/L	
		CARBONATE, HYDROGEN	249.35	10/11/90	1.0	360	MG/L	
		CARBONATE, HYDROGEN	249.35	10/11/90	1.0	89	%	
		CHLORIDE (North)	10.67	02/05/90		87	MG/L	
		CHLORIDE (North)	10.67	07/19/90		65	MG/L	
		CHLORIDE (North)	10.67	10/11/90		82	MG/L	
		CHLORIDE (North)	10.67	10/11/90		83	MG/L	
		CHLORIDE (North)	10.67	10/11/90		97	%	
		CYANIDE	0.01	02/05/90	10	10.0	UG/L	U
		CYANIDE	0.01	10/11/90	10	2.00	UG/L	U
		CYANIDE	0.01	10/11/90	10	30.0	%	
		CYANIDE	0.01	10/11/90	10	4.0000	UG/L	U
		FLUORIDE	0.1	02/05/90		1.9	MG/L	
		FLUORIDE	0.1	07/19/90		1.9	MG/L	
		FLUORIDE	0.1	10/11/90		117	%	
		FLUORIDE	0.1	10/11/90		2.3	MG/L	
		NITRATE/NITRITE	3.43	02/05/90		24	MG/L	
		NITRATE/NITRITE	3.43	07/19/90		27	MG/L	
		NITRATE/NITRITE	3.43	10/11/90		21	MG/L	
		NITRITE		07/19/90		0.02	MG/L	U
		NITRITE		10/11/90		0.02	MG/L	U
		NITRITE		10/11/90		94	%	
		PH	8.22	02/05/90		7.9	PHUNIT	
		PHOSPHATE		07/19/90		0.03	MG/L	
		PHOSPHATE		10/11/90		0.02	MG/L	
		PHOSPHATE		10/11/90		96	%	
		SILICA, DISSOLVED		07/19/90		5.8	MG/L	
		SILICA, DISSOLVED		10/11/90		5.6	MG/L	
		SILICA, DISSOLVED		10/11/90		5.7	MG/L	
		SILICA, DISSOLVED		10/11/90		96	%	

1990 Groundwater Quality Data
Solar Evaporation Ponds - Surficial Materials

Well Id	Analyte Group	Analyte	Background Exceedance Value	Sample Date	Detection Limit	Concentration	Unit	Lab Qualifier
P207889	Inorganics	SULFATE	67.08	02/05/90		390	MG/L	
		SULFATE	67.08	07/19/90	2.0	510	MG/L	
		SULFATE	67.08	10/11/90	2.0	109	%	
		SULFATE	67.08	10/11/90	2.0	510	MG/L	
		SULFATE	67.08	10/11/90	2.0	520	MG/L	
		TOTAL DISSOLVED SOLIDS	388.76	02/05/90		1300	MG/L	
		TOTAL DISSOLVED SOLIDS	388.76	07/19/90	10.0	1300	MG/L	
		TOTAL DISSOLVED SOLIDS	388.76	10/11/90	10.0	1300	MG/L	
		TOTAL DISSOLVED SOLIDS	388.76	10/11/90	10.0	1400	MG/L	
		TOTAL SUSPENDED SOLIDS	4.0	07/19/90	4.0	4	MG/L	U
		TOTAL SUSPENDED SOLIDS	4.0	10/11/90	4.0	13	MG/L	
		TOTAL SUSPENDED SOLIDS	4.0	10/11/90	4.0	16	MG/L	
P207889	Dissolved Metals	ALUMINUM	0.327	02/05/90	200	84.0	UG/L	U
		ALUMINUM	0.327	07/19/90	200	48.00	UG/L	B
		ALUMINUM	0.327	10/11/90	200	108.00	UG/L	B
		ALUMINUM	0.327	10/11/90	200	90.1170	UG/L	B
		ALUMINUM	0.327	10/11/90	200	92.2	%	
		ANTIMONY	0.5	02/05/90	60	28.2	UG/L	U
		ANTIMONY	0.5	07/19/90	60	24.00	UG/L	B
		ANTIMONY	0.5	10/11/90	60	100.5	%	
		ANTIMONY	0.5	10/11/90	60	36.3000	UG/L	B
		ANTIMONY	0.5	10/11/90	60	39.30	UG/L	B
		ARSENIC	0.01	02/05/90	10	2.0	UG/L	U
		ARSENIC	0.01	07/19/90	10	2.00	UG/L	U
		ARSENIC	0.01	10/11/90	10	2.00	UG/L	U
		ARSENIC	0.01	10/11/90	10	2.0000	UG/L	U
		ARSENIC	0.01	10/11/90	10	92.5	%	
		BARIUM	0.2	02/05/90	200	29.8	UG/L	
		BARIUM	0.2	07/19/90	200	44.60	UG/L	B
		BARIUM	0.2	10/11/90	200	31.50	UG/L	B
		BARIUM	0.2	10/11/90	200	31.9070	UG/L	B
		BARIUM	0.2	10/11/90	200	92.7	%	
		BERYLLIUM	0.005	02/05/90	5	1.0	UG/L	U
		BERYLLIUM	0.005	07/19/90	5	1.00	UG/L	U
		BERYLLIUM	0.005	10/11/90	5	1.00	UG/L	U
		BERYLLIUM	0.005	10/11/90	5	1.0000	UG/L	U
		BERYLLIUM	0.005	10/11/90	5	101.1	%	
		CADMIUM	0.011	02/05/90	5	3.0	UG/L	U
		CADMIUM	0.011	07/19/90	5	2.00	UG/L	U
		CADMIUM	0.011	10/11/90	5	2.4380	UG/L	B
		CADMIUM	0.011	10/11/90	5	3.70	UG/L	B
		CADMIUM	0.011	10/11/90	5	98.3	%	
		CALCIUM	62.59	02/05/90	5000	120000	UG/L	
		CALCIUM	62.59	07/19/90	5000	138000.00	UG/L	
		CALCIUM	62.59	10/11/90	5000	121000.00	UG/L	
		CALCIUM	62.59	10/11/90	5000	121347.46	UG/L	

1990 Groundwater Quality Data
Solar Evaporation Ponds - Surficial Materials

Well Id	Analyte Group	Analyte	Background Exceedance Value	Sample Date	Detection Limit	Concentration	Unit	Lab Qualifier
P207889	Dissolved Metals	CESIUM	2.5	02/05/90	1000	2500	UG/L	U
		CESIUM	2.5	07/19/90	1000	147.00	UG/L	U
		CESIUM	2.5	10/11/90	1000	100.0	%	
		CESIUM	2.5	10/11/90	1000	300.00	UG/L	B
		CESIUM	2.5	10/11/90	1000	300.0000	UG/L	B
		CHROMIUM	0.02	02/05/90	10	2.0	UG/L	U
		CHROMIUM	0.02	07/19/90	10	6.00	UG/L	U
		CHROMIUM	0.02	10/11/90	10	20.4760	UG/L	
		CHROMIUM	0.02	10/11/90	10	25.70	UG/L	
		CHROMIUM	0.02	10/11/90	10	93.5	%	
		COBALT	0.05	02/05/90	50	4.0	UG/L	U
		COBALT	0.05	07/19/90	50	4.00	UG/L	U
		COBALT	0.05	10/11/90	50	11.00	UG/L	B
		COBALT	0.05	10/11/90	50	8.1040	UG/L	B
		COBALT	0.05	10/11/90	50	97.1	%	
		COPPER	0.048	02/05/90	25	5.0	UG/L	U
		COPPER	0.048	07/19/90	25	3.00	UG/L	U
		COPPER	0.048	10/11/90	25	15.1590	UG/L	B
		COPPER	0.048	10/11/90	25	21.30	UG/L	B
		COPPER	0.048	10/11/90	25	91.6	%	
		IRON	0.944	02/05/90	100	44.0	UG/L	U
		IRON	0.944	07/19/90	100	13.00	UG/L	U
		IRON	0.944	10/11/90	100	14.00	UG/L	U
		LEAD	0.040	02/05/90	5	3.0	UG/L	U
		LEAD	0.040	07/19/90	3	1.00	UG/L	U
		LEAD	0.040	10/11/90	3	1.00	UG/L	U
		LEAD	0.040	10/11/90	3	1.0000	UG/L	U
		LEAD	0.040	10/11/90	3	105.5	%	
		LITHIUM	1.79	02/05/90	100	100	UG/L	U
		LITHIUM	1.79	07/19/90	100	24.20	UG/L	B
		LITHIUM	1.79	10/11/90	100	100.0	%	
		LITHIUM	1.79	10/11/90	100	40.00	UG/L	B
		LITHIUM	1.79	10/11/90	100	40.0000	UG/L	B
		MAGNESIUM	16.09	02/05/90	5000	71600	UG/L	
		MAGNESIUM	16.09	07/19/90	5000	88600.00	UG/L	
		MAGNESIUM	16.09	10/11/90	5000	76600.00	UG/L	
		MAGNESIUM	16.09	10/11/90	5000	78032.705	UG/L	
		MANGANESE	0.213	02/05/90	15	2.0	UG/L	U
		MANGANESE	0.213	07/19/90	15	1.20	UG/L	B
		MANGANESE	0.213	10/11/90	15	3.0370	UG/L	B
		MANGANESE	0.213	10/11/90	15	4.40	UG/L	B
		MANGANESE	0.213	10/11/90	15	97.4	%	
		MERCURY	0.0008	02/05/90		0.27	UG/L	
		MERCURY	0.0008	07/19/90	0	0.46	UG/L	
		MERCURY	0.0008	10/11/90	0	0.22	UG/L	
		MERCURY	0.0008	10/11/90	0	0.2430	UG/L	

1990 Groundwater Quality Data
Solar Evaporation Ponds - Surficial Materials

Well Id	Analyte Group	Analyte	Background Exceedance Value	Sample Date	Detection Limit	Concentration	Unit	Lab Qualifier
P207889	Dissolved Metals	MERCURY	0.0008	10/11/90	0	82.1	%	
		MOLYBDENUM	0.5	02/05/90	200	100	UG/L	U
		MOLYBDENUM	0.5	07/19/90	200	10.30	UG/L	B
		MOLYBDENUM	0.5	10/11/90	200	18.4870	UG/L	B
		MOLYBDENUM	0.5	10/11/90	200	20.50	UG/L	B
		MOLYBDENUM	0.5	10/11/90	200	96.9	%	
		NICKEL	0.043	02/05/90	40	7.0	UG/L	U
		NICKEL	0.043	07/19/90	40	4.00	UG/L	U
		NICKEL	0.043	10/11/90	40	14.5130	UG/L	B
		NICKEL	0.043	10/11/90	40	17.70	UG/L	B
		NICKEL	0.043	10/11/90	40	94.5	%	
		POTASSIUM	11.3	02/05/90	5000	723	UG/L	U
		POTASSIUM	11.3	07/19/90	5000	377.00	UG/L	B
		POTASSIUM	11.3	10/11/90	5000	430.4410	UG/L	B
		POTASSIUM	11.3	10/11/90	5000	495.00	UG/L	B
		SELENIUM	0.221	02/05/90	5	18.6	UG/L	
		SELENIUM	0.221	07/19/90	5	37.80	UG/L	
		SELENIUM	0.221	10/11/90	5	22.9710	UG/L	
		SELENIUM	0.221	10/11/90	5	25.30	UG/L	
		SELENIUM	0.221	10/11/90	5	36.7	%	
		SILVER	0.004	02/05/90	10	3.9	UG/L	U
		SILVER	0.004	07/19/90	10	3.40	UG/L	B
		SILVER	0.004	10/11/90	10	10.30	UG/L	
		SILVER	0.004	10/11/90	10	7.2670	UG/L	B
		SILVER	0.004	10/11/90	10	95.7	%	
		SODIUM	46.74	02/05/90	5000	171000	UG/L	
		SODIUM	46.74	07/19/90	5000	201000.00	UG/L	
		SODIUM	46.74	10/11/90	5000	170578.08	UG/L	
		SODIUM	46.74	10/11/90	5000	171000.00	UG/L	
		STRONTIUM	7.12	02/05/90	200	1550	UG/L	
		STRONTIUM	7.12	07/19/90	200	1990.00	UG/L	
		STRONTIUM	7.12	10/11/90	200	1660.00	UG/L	
		STRONTIUM	7.12	10/11/90	200	1702.6450	UG/L	
		STRONTIUM	7.12	10/11/90	200	97.4	%	
		THALLIUM	1	02/05/90	10	4.0	UG/L	U
		THALLIUM	1	07/19/90	10	3.00	UG/L	U
		THALLIUM	1	10/11/90	10	2.00	UG/L	U
		THALLIUM	1	10/11/90	10	2.0000	UG/L	U
		THALLIUM	1	10/11/90	10	76.0	%	
		TIN	1	02/05/90	200	120	UG/L	
		TIN	1	07/19/90	200	35.40	UG/L	B
		TIN	1	10/11/90	200	67.0350	UG/L	B
		TIN	1	10/11/90	200	77.60	UG/L	B
		TIN	1	10/11/90	200	90.9	%	
		VANADIUM	0.05	02/05/90	50	43.9	UG/L	U
		VANADIUM	0.05	07/19/90	50	12.50	UG/L	B

1990 Groundwater Quality Data
Solar Evaporation Ponds - Surficial Materials

Well Id	Analyte Group	Analyte	Background Exceedance Value	Sample Date	Detection Limit	Concentration	Unit	Lab Qualifier
P207889	Dissolved Metals	VANADIUM	0.05	10/11/90	50	17.5410	UG/L	B
		VANADIUM	0.05	10/11/90	50	19.30	UG/L	B
		VANADIUM	0.05	10/11/90	50	95.4	%	
		ZINC	0.141	02/05/90	20	11.9	UG/L	
		ZINC	0.141	07/19/90	20	9.20	UG/L	B
		ZINC	0.141	10/11/90	20	18.6980	UG/L	B
		ZINC	0.141	10/11/90	20	24.20	UG/L	
		ZINC	0.141	10/11/90	20	98.7	%	
P207889	Diss. Radionuclides	CESIUM-137	0.506	07/19/90	1	-0.0826	PCI/L	J
		GROSS ALPHA - PARTICULATE	55.07	07/19/90	2	9.911	PCI/L	X
		GROSS BETA - PARTICULATE	59.63	07/19/90	4	5.235	PCI/L	X
		PLUTONIUM-238		07/19/90		0.006965	PCI/L	J
		PLUTONIUM-239,240	0.015	07/19/90		0.0006944	PCI/L	J
		RADIUM-226	96.29	07/19/90		0.4548	PCI/L	J
		TRITIUM	359.07	07/19/90	400	184.5	PCI/L	J
		URANIUM-233,234	0.1+/-.1	07/19/90		13.44	PCI/L	X
		URANIUM-235	2.09	07/19/90		0.4852	PCI/L	J
		URANIUM-238	25.57	07/19/90		10.51	PCI/L	X
P207889	Volatile Organics	1,1,1-TRICHLOROETHANE	5	07/19/90	5	5	UG/L	U
		1,1,1-TRICHLOROETHANE	5	10/11/90	5	5	UG/L	U
		1,1,2,2-TETRACHLOROETHANE	5	07/19/90	5	5	UG/L	U
		1,1,2,2-TETRACHLOROETHANE	5	10/11/90	5	5	UG/L	U
		1,1,2-TRICHLOROETHANE	5	07/19/90	5	5	UG/L	U
		1,1,2-TRICHLOROETHANE	5	10/11/90	5	5	UG/L	U
		1,1-DICHLOROETHANE	5	07/19/90	5	5	UG/L	U
		1,1-DICHLOROETHANE	5	10/11/90	5	5	UG/L	U
		1,1-DICHLOROETHENE	5	07/19/90	5	5	UG/L	U
		1,1-DICHLOROETHENE	5	10/11/90	5	5	UG/L	U
		1,2-DICHLOROETHANE	5	07/19/90	5	5	UG/L	U
		1,2-DICHLOROETHANE	5	10/11/90	5	5	UG/L	U
		1,2-DICHLOROETHYLENE	5	07/19/90	5	5	UG/L	U
		1,2-DICHLOROETHYLENE	5	10/11/90	5	5	UG/L	U
		1,2-DICHLOROPROPANE	5	07/19/90	5	5	UG/L	U
		1,2-DICHLOROPROPANE	5	10/11/90	5	5	UG/L	U
		2-BUTANONE	10	07/19/90	10	10	UG/L	U
		2-BUTANONE	10	10/11/90	10	10	UG/L	U
		2-BUTANONE	10	10/11/90	10	14	UG/L	B
		2-BUTANONE	10	10/11/90	10	6	UG/L	B
		2-HEXANONE	10	07/19/90	10	10	UG/L	U
		2-HEXANONE	10	10/11/90	10	10	UG/L	U
		4-METHYL-2-PENTANONE	10	07/19/90	10	10	UG/L	U
		4-METHYL-2-PENTANONE	10	10/11/90	10	10	UG/L	U
		ACETONE	10	07/19/90	10	10	UG/L	U
		ACETONE	10	10/11/90	10	4	UG/L	B
		ACETONE	10	10/11/90	10	6	UG/L	B
		ACETONE	10	10/11/90	10	7	UG/L	B

1990 Groundwater Quality Data
Solar Evaporation Ponds - Surficial Materials

Well Id	Analyte Group	Analyte	Background Exceedance Value	Sample Date	Detection Limit	Concentration	Unit	Lab Qualifier
P207889	Volatile Organics	BENZENE	5	07/19/90	5	5	UG/L	U
		BENZENE	5	10/11/90	5	5	UG/L	U
		BROMODICHLOROMETHANE	5	07/19/90	5	5	UG/L	U
		BROMODICHLOROMETHANE	5	10/11/90	5	5	UG/L	U
		BROMOFORM	5	07/19/90	5	5	UG/L	U
		BROMOFORM	5	10/11/90	5	5	UG/L	U
		BROMOMETHANE	10	07/19/90	10	10	UG/L	U
		BROMOMETHANE	10	10/11/90	10	10	UG/L	U
		CARBON DISULFIDE	5	07/19/90	5	5	UG/L	U
		CARBON DISULFIDE	5	10/11/90	5	5	UG/L	U
		CARBON TETRACHLORIDE	5	07/19/90	5	5	UG/L	U
		CARBON TETRACHLORIDE	5	10/11/90	5	5	UG/L	U
		CHLOROBENZENE	5	07/19/90	5	5	UG/L	U
		CHLOROBENZENE	5	10/11/90	5	5	UG/L	U
		CHLOROETHANE	10	07/19/90	10	10	UG/L	U
		CHLOROETHANE	10	10/11/90	10	10	UG/L	U
		CHLOROFORM	5	07/19/90	5	5	UG/L	U
		CHLOROFORM	5	10/11/90	5	5	UG/L	U
		CHLOROMETHANE	10	07/19/90	10	10	UG/L	U
		CHLOROMETHANE	10	10/11/90	10	10	UG/L	U
		DIBROMOCHLOROMETHANE	5	07/19/90	5	5	UG/L	U
		DIBROMOCHLOROMETHANE	5	10/11/90	5	5	UG/L	U
		ETHYLBENZENE	5	07/19/90	5	5	UG/L	U
		ETHYLBENZENE	5	10/11/90	5	5	UG/L	U
		METHYLENE CHLORIDE	5	07/19/90	5	1	UG/L	
		METHYLENE CHLORIDE	5	07/19/90	5	1	UG/L	B
		METHYLENE CHLORIDE	5	10/11/90	5	2	UG/L	B
		METHYLENE CHLORIDE	5	10/11/90	5	3	UG/L	B
		STRONTIUM-89,90	0.900	07/19/90	1	0.2778	PCI/L	J
		STYRENE	5	07/19/90	5	5	UG/L	U
		STYRENE	5	10/11/90	5	5	UG/L	U
		TETRACHLOROETHENE	5	07/19/90	5	5	UG/L	U
		TETRACHLOROETHENE	5	10/11/90	5	5	UG/L	U
		TOLUENE	5	07/19/90	5	5	UG/L	U
		TOLUENE	5	10/11/90	5	5	UG/L	U
		TOTAL XYLENES	5	07/19/90	5	5	UG/L	U
		TOTAL XYLENES	5	10/11/90	5	5	UG/L	U
		TRICHLOROETHENE	5	07/19/90	5	5	UG/L	U
		TRICHLOROETHENE	5	10/11/90	5	5	UG/L	U
		VINYL ACETATE	10	07/19/90	10	10	UG/L	U
		VINYL ACETATE	10	10/11/90	10	1	UG/L	J
		VINYL ACETATE	10	10/11/90	10	10	UG/L	U
		VINYL CHLORIDE	10	07/19/90	10	10	UG/L	U
		VINYL CHLORIDE	10	10/11/90	10	10	UG/L	U
		cis-1,3-DICHLOROPROPENE	5	07/19/90	5	5	UG/L	U
		cis-1,3-DICHLOROPROPENE	5	10/11/90	5	5	UG/L	U

1990 Groundwater Quality Data
Solar Evaporation Ponds - Surficial Materials

Well Id	Analyte Group	Analyte	Background Exceedance Value	Sample Date	Detection Limit	Concentration	Unit	Lab Qualifier
P207889	Volatile Organics	trans-1,3-DICHLOROPROPENE	5	07/19/90	5	5	UG/L	U
		trans-1,3-DICHLOROPROPENE	5	10/11/90	5	5	UG/L	U
P209789	Inorganics	% SOLIDS		05/04/90		92.8	%	
		CARBONATE	5	03/15/90		5	MG/L	U
		CARBONATE	5	03/15/90		5	MG/L	U
		CARBONATE, HYDROGEN	249.35	03/15/90		400	MG/L	
		CARBONATE, HYDROGEN	249.35	03/15/90		400	MG/L	
		CARBONATE, HYDROGEN	249.35	10/19/90	1.0	280	MG/L	
		CHLORIDE (North)	10.67	03/15/90		15	MG/L	
		CHLORIDE (North)	10.67	03/15/90		15	MG/L	
		CHLORIDE (North)	10.67	10/19/90		23	MG/L	
		CYANIDE	0.01	10/19/90	10	2.00	UG/L	U
		FLUORIDE	0.1	03/15/90		1.5	MG/L	
		FLUORIDE	0.1	03/15/90		1.5	MG/L	
		FLUORIDE	0.1	10/19/90		1.7	MG/L	
		NITRATE/NITRITE	3.43	03/15/90		40	MG/L	
		NITRATE/NITRITE	3.43	03/15/90		40	MG/L	
		NITRATE/NITRITE	3.43	10/19/90		44	MG/L	
		PARATHION, ETHYL		10/19/90		0.02	MG/L	
		PH	8.22	03/15/90		7.8	PHUNIT	
		PH	8.22	03/15/90		7.8	PHUNIT	
		PHOSPHATE		10/19/90		0.01	MG/L	U
		PHOSPHATE		10/19/90		0.02	MG/L	
		SILICA, DISSOLVED		10/19/90		6.2	MG/L	
		SULFATE	67.08	03/15/90		66	MG/L	
		SULFATE	67.08	03/15/90		66	MG/L	
		SULFATE	67.08	10/19/90	2.0	64	MG/L	
		TOTAL DISSOLVED SOLIDS	388.76	03/15/90		680	MG/L	
		TOTAL DISSOLVED SOLIDS	388.76	03/15/90		680	MG/L	
		TOTAL DISSOLVED SOLIDS	388.76	10/19/90	10.0	740	MG/L	
		TOTAL SUSPENDED SOLIDS	4.0	10/19/90	4.0	53	MG/L	
P209789	Dissolved Metals	ALUMINUM	0.327	10/19/90	200	57.70	UG/L	B
		ANTIMONY	0.5	10/19/90	60	7.00	UG/L	U
		ARSENIC	0.01	10/19/90	10	2.00	UG/L	U
		BARIUM	0.2	10/19/90	200	150.00	UG/L	B
		BERYLLIUM	0.005	10/19/90	5	1.00	UG/L	U
		CADMIUM	0.011	10/19/90	5	2.00	UG/L	U
		CALCIUM	62.59	10/19/90	5000	104000.00	UG/L	
		CESIUM	2.5	10/19/90	1000	76.00	UG/L	U
		CHROMIUM	0.02	10/19/90	10	12.10	UG/L	
		COBALT	0.05	10/19/90	50	3.00	UG/L	U
		COPPER	0.048	10/19/90	25	2.00	UG/L	U
		IRON	0.944	10/19/90	100	91.30	UG/L	B
		LEAD	0.040	10/19/90	3	1.00	UG/L	U
		LITHIUM	1.79	10/19/90	100	40.00	UG/L	B
		MAGNESIUM	16.09	10/19/90	5000	35700.00	UG/L	

1990 Groundwater Quality Data
Solar Evaporation Ponds - Surficial Materials

Well Id	Analyte Group	Analyte	Background Exceedance Value	Sample Date	Detection Limit	Concentration	Unit	Lab Qualifier
P209789	Dissolved Metals	MANGANESE	0.213	10/19/90	15	2.10	UG/L	B
		MERCURY	0.0008	10/19/90	0	0.20	UG/L	U
		MOLYBDENUM	0.5	10/19/90	200	7.80	UG/L	B
		NICKEL	0.043	10/19/90	40	4.90	UG/L	B
		POTASSIUM	11.3	10/19/90	5000	582.00	UG/L	B
		SELENIUM	0.221	10/19/90	5	5.00	UG/L	
		SILVER	0.004	10/19/90	10	4.30	UG/L	B
		SODIUM	46.74	10/19/90	5000	80200.00	UG/L	
		STRONTIUM	7.12	10/19/90	200	955.00	UG/L	
		THALLIUM	1	10/19/90	10	2.00	UG/L	U
		TIN	1	10/19/90	200	49.10	UG/L	B
		VANADIUM	0.05	10/19/90	50	10.20	UG/L	B
		ZINC	0.141	10/19/90	20	12.40	UG/L	B
P209789	Volatile Organics	1,1,1-TRICHLOROETHANE		03/15/90		5	UG/L	U
		1,1,1-TRICHLOROETHANE	5	05/04/90	5	5	UG/L	U
		1,1,1-TRICHLOROETHANE	5	07/24/90	5	5	UG/L	U
		1,1,1-TRICHLOROETHANE	5	10/19/90	5	5	UG/L	U
		1,1,2,2-TETRACHLOROETHANE		03/15/90		5	UG/L	U
		1,1,2,2-TETRACHLOROETHANE	5	05/04/90	5	5	UG/L	U
		1,1,2,2-TETRACHLOROETHANE	5	07/24/90	5	5	UG/L	U
		1,1,2,2-TETRACHLOROETHANE	5	10/19/90	5	5	UG/L	U
		1,1,2-TRICHLOROETHANE		03/15/90		5	UG/L	U
		1,1,2-TRICHLOROETHANE	5	05/04/90	5	5	UG/L	U
		1,1,2-TRICHLOROETHANE	5	07/24/90	5	5	UG/L	U
		1,1,2-TRICHLOROETHANE	5	10/19/90	5	5	UG/L	U
		1,1-DICHLOROETHANE		03/15/90		5	UG/L	U
		1,1-DICHLOROETHANE	5	05/04/90	5	5	UG/L	U
		1,1-DICHLOROETHANE	5	07/24/90	5	5	UG/L	U
		1,1-DICHLOROETHANE	5	10/19/90	5	5	UG/L	U
		1,1-DICHLOROETHENE		03/15/90		5	UG/L	U
		1,1-DICHLOROETHENE	5	05/04/90	5	5	UG/L	U
		1,1-DICHLOROETHENE	5	07/24/90	5	5	UG/L	U
		1,1-DICHLOROETHENE	5	10/19/90	5	5	UG/L	U
		1,2-DICHLOROETHANE		03/15/90		5	UG/L	U
		1,2-DICHLOROETHANE	5	05/04/90	5	5	UG/L	U
		1,2-DICHLOROETHANE	5	07/24/90	5	5	UG/L	U
		1,2-DICHLOROETHANE	5	10/19/90	5	5	UG/L	U
		1,2-DICHLOROETHENE (Total)		03/15/90		5	UG/L	U
		1,2-DICHLOROETHENE (Total)	5	05/04/90	5	5	UG/L	U
		1,2-DICHLOROETHYLENE	5	07/24/90	5	5	UG/L	U
		1,2-DICHLOROETHYLENE	5	10/19/90	5	5	UG/L	U
		1,2-DICHLOROPROPANE		03/15/90		5	UG/L	U
		1,2-DICHLOROPROPANE	5	05/04/90	5	5	UG/L	U
		1,2-DICHLOROPROPANE	5	07/24/90	5	5	UG/L	U
		1,2-DICHLOROPROPANE	5	10/19/90	5	5	UG/L	U
		2-BUTANONE		03/15/90		10	UG/L	U

1990 Groundwater Quality Data
Solar Evaporation Ponds - Surficial Materials

Well Id	Analyte Group	Analyte	Background Exceedance Value	Sample Date	Detection Limit	Concentration	Unit	Lab Qualifier
P209789	Volatile Organics	2-BUTANONE	10	05/04/90	10	10	UG/L	U
		2-BUTANONE	10	07/24/90	10	10	UG/L	U
		2-BUTANONE	10	10/19/90	10	10	UG/L	U
		2-HEXANONE		03/15/90		10	UG/L	U
		2-HEXANONE	10	05/04/90	10	10	UG/L	U
		2-HEXANONE	10	07/24/90	10	10	UG/L	U
		2-HEXANONE	10	10/19/90	10	10	UG/L	U
		4-METHYL-2-PENTANONE		03/15/90		10	UG/L	U
		4-METHYL-2-PENTANONE	10	05/04/90	10	10	UG/L	U
		4-METHYL-2-PENTANONE	10	07/24/90	10	10	UG/L	U
		4-METHYL-2-PENTANONE	10	10/19/90	10	10	UG/L	U
		ACETONE		03/15/90		10	UG/L	U
		ACETONE	10	05/04/90	10	10	UG/L	U
		ACETONE	10	07/24/90	10	9	UG/L	B
		ACETONE	10	10/19/90	10	21	UG/L	B
		BENZENE		03/15/90		5	UG/L	U
		BENZENE	5	05/04/90	5	5	UG/L	U
		BENZENE	5	07/24/90	5	5	UG/L	U
		BENZENE	5	10/19/90	5	5	UG/L	U
		BROMODICHLOROMETHANE		03/15/90		5	UG/L	U
		BROMODICHLOROMETHANE	5	05/04/90	5	5	UG/L	U
		BROMODICHLOROMETHANE	5	07/24/90	5	5	UG/L	U
		BROMODICHLOROMETHANE	5	10/19/90	5	5	UG/L	U
		BROMOFORM		03/15/90		5	UG/L	U
		BROMOFORM	5	05/04/90	5	5	UG/L	U
		BROMOFORM	5	07/24/90	5	5	UG/L	U
		BROMOFORM	5	10/19/90	5	5	UG/L	U
		BROMOMETHANE		03/15/90		10	UG/L	U
		BROMOMETHANE	10	05/04/90	10	10	UG/L	U
		BROMOMETHANE	10	07/24/90	10	10	UG/L	U
		BROMOMETHANE	10	10/19/90	10	10	UG/L	U
		CARBON DISULFIDE		03/15/90		5	UG/L	U
		CARBON DISULFIDE	5	05/04/90	5	5	UG/L	U
		CARBON DISULFIDE	5	07/24/90	5	5	UG/L	U
		CARBON DISULFIDE	5	10/19/90	5	5	UG/L	U
		CARBON TETRACHLORIDE		03/15/90		5	UG/L	U
		CARBON TETRACHLORIDE	5	05/04/90	5	5	UG/L	U
		CARBON TETRACHLORIDE	5	07/24/90	5	5	UG/L	U
		CARBON TETRACHLORIDE	5	10/19/90	5	5	UG/L	U
		CHLOROBENZENE		03/15/90		5	UG/L	U
		CHLOROBENZENE	5	05/04/90	5	5	UG/L	U
		CHLOROBENZENE	5	07/24/90	5	5	UG/L	U
		CHLOROBENZENE	5	10/19/90	5	5	UG/L	U
		CHLOROETHANE		03/15/90		10	UG/L	U
		CHLOROETHANE	10	05/04/90	10	10	UG/L	U
		CHLOROETHANE	10	07/24/90	10	10	UG/L	U

1990 Groundwater Quality Data
Solar Evaporation Ponds - Surficial Materials

Well Id	Analyte Group	Analyte	Background Exceedance Value	Sample Date	Detection Limit	Concentration	Unit	Lab Qualifier
P209789	Volatile Organics	CHLOROETHANE	10	10/19/90	10	10	UG/L	U
		CHLOROFORM		03/15/90		5	UG/L	U
		CHLOROFORM	5	05/04/90	5	5	UG/L	U
		CHLOROFORM	5	07/24/90	5	5	UG/L	U
		CHLOROFORM	5	10/19/90	5	5	UG/L	U
		CHLOROMETHANE		03/15/90		10	UG/L	U
		CHLOROMETHANE	10	05/04/90	10	10	UG/L	U
		CHLOROMETHANE	10	07/24/90	10	10	UG/L	U
		CHLOROMETHANE	10	10/19/90	10	10	UG/L	U
		DIBROMOCHLOROMETHANE		03/15/90		5	UG/L	U
		DIBROMOCHLOROMETHANE	5	05/04/90	5	5	UG/L	U
		DIBROMOCHLOROMETHANE	5	07/24/90	5	5	UG/L	U
		DIBROMOCHLOROMETHANE	5	10/19/90	5	5	UG/L	U
		ETHYLBENZENE		03/15/90		5	UG/L	U
		ETHYLBENZENE	5	05/04/90	5	5	UG/L	U
		ETHYLBENZENE	5	07/24/90	5	5	UG/L	U
		ETHYLBENZENE	5	10/19/90	5	5	UG/L	U
		METHYLENE CHLORIDE		03/15/90		5	UG/L	U
		METHYLENE CHLORIDE	5	05/04/90	5	5	UG/L	U
		METHYLENE CHLORIDE	5	07/24/90	5	6	UG/L	B
		METHYLENE CHLORIDE	5	10/19/90	5	3	UG/L	B
		STYRENE		03/15/90		5	UG/L	U
		STYRENE	5	05/04/90	5	5	UG/L	U
		STYRENE	5	07/24/90	5	5	UG/L	U
		STYRENE	5	10/19/90	5	5	UG/L	U
		TETRACHLOROETHENE		03/15/90		5	UG/L	U
		TETRACHLOROETHENE	5	05/04/90	5	5	UG/L	U
		TETRACHLOROETHENE	5	07/24/90	5	2	UG/L	J
		TETRACHLOROETHENE	5	10/19/90	5	2	UG/L	J
		TOLUENE		03/15/90		5	UG/L	U
		TOLUENE	5	05/04/90	5	5	UG/L	U
		TOLUENE	5	07/24/90	5	5	UG/L	U
		TOLUENE	5	10/19/90	5	5	UG/L	U
		TOTAL XYLENES		03/15/90		5	UG/L	U
		TOTAL XYLENES	5	07/24/90	5	5	UG/L	U
		TOTAL XYLENES	5	10/19/90	5	5	UG/L	U
		TRICHLOROETHENE		03/15/90		5	UG/L	U
		TRICHLOROETHENE	5	05/04/90	5	5	UG/L	U
		TRICHLOROETHENE	5	07/24/90	5	5	UG/L	U
		TRICHLOROETHENE	5	10/19/90	5	5	UG/L	U
		VINYL ACETATE		03/15/90		10	UG/L	U
		VINYL ACETATE	10	05/04/90	10	10	UG/L	U
		VINYL ACETATE	10	07/24/90	10	10	UG/L	U
		VINYL ACETATE	10	10/19/90	10	10	UG/L	U
		VINYL CHLORIDE		03/15/90		10	UG/L	U
		VINYL CHLORIDE	10	05/04/90	10	10	UG/L	U

1990 Groundwater Quality Data
Solar Evaporation Ponds - Surficial Materials

Well Id	Analyte Group	Analyte	Background Exceedance Value	Sample Date	Detection Limit	Concentration	Unit	Lab Qualifier
P209789	Volatile Organics	VINYL CHLORIDE	10	07/24/90	10	10	UG/L	U
		VINYL CHLORIDE	10	10/19/90	10	10	UG/L	U
		XYLENES (TOTAL)	5	05/04/90	5	5	UG/L	U
		cis-1,3-DICHLOROPROPENE		03/15/90		5	UG/L	U
		cis-1,3-DICHLOROPROPENE	5	05/04/90	5	5	UG/L	U
		cis-1,3-DICHLOROPROPENE	5	07/24/90	5	5	UG/L	U
		cis-1,3-DICHLOROPROPENE	5	10/19/90	5	5	UG/L	U
		trans-1,3-DICHLOROPROPENE		03/15/90		5	UG/L	U
		trans-1,3-DICHLOROPROPENE	5	05/04/90	5	5	UG/L	U
		trans-1,3-DICHLOROPROPENE	5	07/24/90	5	5	UG/L	U
		trans-1,3-DICHLOROPROPENE	5	10/19/90	5	5	UG/L	U
P210489	Inorganics	CARBONATE	5	02/28/90		5	MG/L	U
		CARBONATE, HYDROGEN	249.35	02/28/90		390	MG/L	
		CHLORIDE (North)	10.67	02/28/90		150	MG/L	
		FLUORIDE	0.1	02/28/90		0.5	MG/L	
		NITRATE/NITRITE	3.43	02/28/90		420	MG/L	
		PH	8.22	02/28/90		7.4	PHUNIT	
		SULFATE	67.08	02/28/90		400	MG/L	
		TOTAL DISSOLVED SOLIDS	388.76	02/28/90		4200	MG/L	

1990 Groundwater Quality Data
Solar Evaporation Ponds - Surficial Materials

DATA QUALIFIERS

U - Indicates a compound was analyzed for, but not detected.

J - Indicates an estimated value for either a tentatively identified compound or an analyte that meets the identification criteria, but the result is less than the specified detection limit.

B - Indicates the compound was found in the blank and the sample.

E - Concentration exceeds calibration range of the instrument.

I - Indicates interference.

BS - Indicates matrix analyses were conducted on reagent grade water.

TB - Trip Blank.

BSD - Blank Spike Duplicate.

FB - Field Blank.

BDL - Below Detection Limit.

RNS - Rinse Blank.

MS - Matrix Spike.

REA - Field Sample, not a blank or duplicate.

MSD - Matrix Spike Duplicate.

DUP - Duplicate.

D - Indicates that surrogate/matrix spike recoveries were not obtained because the extract had to be diluted for analysis.

DL - Indicates a secondary dilution.

NA - Not Applicable.

DF - Dilution Factor.

X - Result is by calculation.

VALIDATION QUALIFIERS

V - Valid.

R - Rejected.

A - Acceptable with qualifications.

1990 Groundwater Quality Data
Solar Evaporation Ponds - Weathered Bedrock

Well Id	Analyte Group	Analyte	Background Exceedance Value	Sample Date	Detection Limit	Concentration	Unit	Lab Qualifier
B208689	Volatile Organics	VINYL ACETATE	10	07/25/90	10	10	UG/L	U
		VINYL ACETATE	10	10/24/90	10	10	UG/L	U
		VINYL CHLORIDE	10	03/15/90	10	10	UG/L	U
		VINYL CHLORIDE	10	03/15/90	10	10	UG/L	U
		VINYL CHLORIDE	10	05/08/90	10	10	UG/L	U
		VINYL CHLORIDE	10	07/23/90	10	10	UG/L	U
		VINYL CHLORIDE	10	07/24/90	10	10	UG/L	U
		VINYL CHLORIDE	10	07/24/90	10	10	UG/L	U
		VINYL CHLORIDE	10	07/25/90	10	10	UG/L	U
		VINYL CHLORIDE	10	10/24/90	10	10	UG/L	U
		XYLENES (TOTAL)	5	03/15/90	5	5	UG/L	U
		XYLENES (TOTAL)	5	03/15/90	5	5	UG/L	U
		XYLENES (TOTAL)	5	05/08/90	5	5	UG/L	U
		XYLENES (TOTAL)	5	10/24/90	5	5	UG/L	U
		cis-1,3-DICHLOROPROPENE	5	03/15/90	5	5	UG/L	U
		cis-1,3-DICHLOROPROPENE	5	03/15/90	5	5	UG/L	U
		cis-1,3-DICHLOROPROPENE	5	05/08/90	5	5	UG/L	U
		cis-1,3-DICHLOROPROPENE	5	07/23/90	5	5	UG/L	U
		cis-1,3-DICHLOROPROPENE	5	07/24/90	5	5	UG/L	U
		cis-1,3-DICHLOROPROPENE	5	07/24/90	5	5	UG/L	U
		cis-1,3-DICHLOROPROPENE	5	07/25/90	5	5	UG/L	U
		cis-1,3-DICHLOROPROPENE	5	10/24/90	5	5	UG/L	U
		trans-1,3-DICHLOROPROPENE	5	03/15/90	5	5	UG/L	U
		trans-1,3-DICHLOROPROPENE	5	03/15/90	5	5	UG/L	U
		trans-1,3-DICHLOROPROPENE	5	05/08/90	5	5	UG/L	U
		trans-1,3-DICHLOROPROPENE	5	07/23/90	5	5	UG/L	U
		trans-1,3-DICHLOROPROPENE	5	07/24/90	5	5	UG/L	U
		trans-1,3-DICHLOROPROPENE	5	07/24/90	5	5	UG/L	U
		trans-1,3-DICHLOROPROPENE	5	07/25/90	5	5	UG/L	U
		trans-1,3-DICHLOROPROPENE	5	10/24/90	5	5	UG/L	U
P207389	Inorganics	CARBONATE	5	03/14/90		5	MG/L	U
		CARBONATE	5	06/05/90	10	10	MG/L	U
		CARBONATE, HYDROGEN	249.35	03/14/90		400	MG/L	
		CARBONATE, HYDROGEN	249.35	06/05/90	10	329	MG/L	
		CARBONATE, HYDROGEN	249.35	08/21/90	1.0	320	MG/L	
		CHLORIDE (North)	10.67	03/14/90		28	MG/L	
		CHLORIDE (North)	10.67	06/05/90	5	23.5	MG/L	
		CHLORIDE (North)	10.67	08/21/90		26	MG/L	
		CYANIDE	0.01	03/14/90	10	10.0	UG/L	U
		CYANIDE	0.01	06/05/90	10	10	UG/L	U
		FLUORIDE	0.1	03/14/90		1.2	MG/L	
		FLUORIDE	0.1	06/05/90		1.3	MG/L	
		FLUORIDE	0.1	08/21/90		1.3	MG/L	
		NITRATE/NITRITE	3.43	03/14/90		2.5	MG/L	
		NITRATE/NITRITE	3.43	06/05/90	1	3.8	MG/L	
		NITRATE/NITRITE	3.43	08/21/90		3.4	MG/L	

1990 Groundwater Quality Data
Solar Evaporation Ponds - Weathered Bedrock

Well Id	Analyte Group	Analyte	Background Exceedance Value	Sample Date	Detection Limit	Concentration	Unit	Lab Qualifier
P207389	Inorganics	NITRITE		06/05/90		0.02	MG/L	U
		NITRITE		08/21/90		0.02	MG/L	U
		PH	8.22	03/14/90		7.2	PHUNIT	
		PHOSPHATE		08/21/90		0.02	MG/L	
		SILICA, DISSOLVED		08/21/90		7.1	MG/L	
		SULFATE	67.08	03/14/90		71	MG/L	
		SULFATE	67.08	06/05/90	10	61.6	MG/L	
		SULFATE	67.08	08/21/90	2.0	60	MG/L	
		TOTAL DISSOLVED SOLIDS	388.76	03/14/90		500	MG/L	
		TOTAL DISSOLVED SOLIDS	388.76	06/05/90	10	510	MG/L	
		TOTAL DISSOLVED SOLIDS	388.76	08/21/90	10.0	500	MG/L	
		TOTAL SUSPENDED SOLIDS	5	06/05/90	5	5	MG/L	U
		TOTAL SUSPENDED SOLIDS	4.0	08/21/90	4.0	6	MG/L	
P207389	Total Metals	CYANIDE	0.01	06/05/90	10	10	UG/L	U
P207389	Dissolved Metals	ALUMINUM	0.327	03/14/90	200	35.0	UG/L	U
		ALUMINUM	0.327	06/05/90	10.5	24.7	UG/L	B
		ALUMINUM	0.327	06/05/90	10.5	24.7	UG/L	U
		ALUMINUM	0.327	08/21/90	200	42.10	UG/L	B
		ANTIMONY	0.5	03/14/90	60	26.0	UG/L	U
		ANTIMONY	0.5	06/05/90	18.3	18.3	UG/L	U
		ANTIMONY	0.5	08/21/90	60	10.00	UG/L	U
		ARSENIC	0.01	03/14/90	10	2.0	UG/L	U
		ARSENIC	0.01	06/05/90		0.9	UG/L	U
		ARSENIC	0.01	08/21/90	10	2.00	UG/L	U
		BARIUM	0.2	03/14/90	200	84.8	UG/L	
		BARIUM	0.2	06/05/90	9.7	87.7	UG/L	B
		BARIUM	0.2	08/21/90	200	89.50	UG/L	B
		BERYLLIUM	0.005	03/14/90	5	1.0	UG/L	U
		BERYLLIUM	0.005	06/05/90		0.9	UG/L	U
		BERYLLIUM	0.005	08/21/90	5	1.00	UG/L	U
		CADMIUM	0.011	03/14/90	5	2.0	UG/L	U
		CADMIUM	0.011	06/05/90	4.4	4.4	UG/L	U
		CADMIUM	0.011	08/21/90	5	2.00	UG/L	U
		CALCIUM	62.59	03/14/90	5000	74300	UG/L	
		CALCIUM	62.59	06/05/90	15.7	77600	UG/L	
		CALCIUM	62.59	08/21/90	5000	75600.00	UG/L	E
		CESIUM	2.5	03/14/90	1000	50.0	UG/L	U
		CESIUM	2.5	06/05/90	1000	1000	UG/L	U
		CESIUM	2.5	08/21/90	1000	147.00	UG/L	U
		CHROMIUM	0.02	03/14/90	10	5.0	UG/L	U
		CHROMIUM	0.02	06/05/90	6.6	6.6	UG/L	U
		CHROMIUM	0.02	08/21/90	10	8.70	UG/L	B
		COBALT	0.05	03/14/90	50	4.0	UG/L	U
		COBALT	0.05	06/05/90	3.3	3.3	UG/L	U
		COBALT	0.05	08/21/90	50	4.00	UG/L	U
		COPPER	0.048	03/14/90	25	5.0	UG/L	U

1990 Groundwater Quality Data
Solar Evaporation Ponds - Weathered Bedrock

Well Id	Analyte Group	Analyte	Background Exceedance Value	Sample Date	Detection Limit	Concentration	Unit	Lab Qualifier
P207389	Dissolved Metals	COPPER	0.048	06/05/90	4.7	5.1	UG/L	B
		COPPER	0.048	06/05/90	4.7	5.1	UG/L	U
		COPPER	0.048	08/21/90	25	3.00	UG/L	U
		IRON	0.944	03/14/90	100	19.6	UG/L	U
		IRON	0.944	06/05/90	13.2	30.4	UG/L	B
		IRON	0.944	06/05/90	13.2	30.4	UG/L	U
		IRON	0.944	08/21/90	100	15.60	UG/L	B
		LEAD	0.040	03/14/90	5	2.0	UG/L	U
		LEAD	0.040	06/05/90	1.0	2.5	UG/L	B
		LEAD	0.040	06/05/90	1.0	2.5	UG/L	U
		LEAD	0.040	08/21/90	3	1.00	UG/L	U
		LITHIUM	1.79	03/14/90	100	24.1	UG/L	
		LITHIUM	1.79	06/05/90	2.0	18.1	UG/L	B
		LITHIUM	1.79	08/21/90	100	26.50	UG/L	B
		MAGNESIUM	16.09	03/14/90	5000	17900	UG/L	
		MAGNESIUM	16.09	06/05/90	51.8	18600	UG/L	
		MAGNESIUM	16.09	08/21/90	5000	18400.00	UG/L	E
		MANGANESE	0.213	03/14/90	15	2.7	UG/L	U
		MANGANESE	0.213	06/05/90	1.2	2.2	UG/L	B
		MANGANESE	0.213	08/21/90	15	2.60	UG/L	B
		MERCURY	0.0008	03/14/90		0.41	UG/L	
		MERCURY	0.0008	06/05/90		0.3	UG/L	
		MERCURY	0.0008	06/05/90		0.34	UG/L	
		MERCURY	0.0008	08/21/90	0	0.20	UG/L	U
		MOLYBDENUM	0.5	03/14/90	200	35.0	UG/L	U
		MOLYBDENUM	0.5	06/05/90	5.9	5.9	UG/L	U
		MOLYBDENUM	0.5	08/21/90	200	2.80	UG/L	B
		NICKEL	0.043	03/14/90	40	6.0	UG/L	U
		NICKEL	0.043	06/05/90	4.7	4.7	UG/L	U
		NICKEL	0.043	08/21/90	40	4.00	UG/L	U
		POTASSIUM	11.3	03/14/90	5000	1180	UG/L	
		POTASSIUM	11.3	06/05/90	70	723	UG/L	B
		POTASSIUM	11.3	08/21/90	5000	997.00	UG/L	B
		SELENIUM	0.221	03/14/90	5	3.0	UG/L	U
		SELENIUM	0.221	06/05/90	1.7	1.7	UG/L	U
		SELENIUM	0.221	08/21/90	5	2.00	UG/L	B
		SILICON	20.4	06/05/90	20.4	5030	UG/L	
		SILVER	0.004	03/14/90	10	6.0	UG/L	U
		SILVER	0.004	06/05/90	4.5	4.5	UG/L	U
		SILVER	0.004	08/21/90	10	2.00	UG/L	U
		SODIUM	46.74	03/14/90	5000	89100	UG/L	
		SODIUM	46.74	06/05/90	15.5	66200	UG/L	
		SODIUM	46.74	08/21/90	5000	76000.00	UG/L	E
		STRONTIUM	7.12	03/14/90	200	595	UG/L	J
		STRONTIUM	7.12	06/05/90	13.1	542	UG/L	B
		STRONTIUM	7.12	08/21/90	200	536.00	UG/L	E

1990 Groundwater Quality Data
Solar Evaporation Ponds - Weathered Bedrock

Well Id	Analyte Group	Analyte	Background Exceedance Value	Sample Date	Detection Limit	Concentration	Unit	Lab Qualifier
P207389	Dissolved Metals	THALLIUM	1	03/14/90	10	3.0	UG/L	U
		THALLIUM	1	06/05/90	1.6	3.5	UG/L	B
		THALLIUM	1	08/21/90	10	1.00	UG/L	U
		TIN	1	03/14/90	200	25.0	UG/L	U
		TIN	1	06/05/90	30.2	30.2	UG/L	U
		TIN	1	06/05/90	13.1	542	UG/L	B
		TIN	1	08/21/90	200	18.00	UG/L	B
		VANADIUM	0.05	03/14/90	50	6.0	UG/L	U
		VANADIUM	0.05	06/05/90	1.2	1.3	UG/L	B
		VANADIUM	0.05	06/05/90	1.2	1.3	UG/L	U
		VANADIUM	0.05	08/21/90	50	8.60	UG/L	B
		ZINC	0.141	03/14/90	20	8.4	UG/L	
		ZINC	0.141	06/05/90	2.9	4.6	UG/L	B
		ZINC	0.141	06/05/90	2.9	4.6	UG/L	U
		ZINC	0.141	08/21/90	20	2.00	UG/L	U
P207389	Volatile Organics	1,1,1-TRICHLOROETHANE	5	03/14/90	5	5	UG/L	U
		1,1,1-TRICHLOROETHANE	5	06/05/90	5	5	UG/L	U
		1,1,1-TRICHLOROETHANE	5	08/21/90	5	5	UG/L	U
		1,1,2,2-TETRACHLOROETHANE	5	03/14/90	5	5	UG/L	U
		1,1,2,2-TETRACHLOROETHANE	5	06/05/90	5	5	UG/L	U
		1,1,2,2-TETRACHLOROETHANE	5	08/21/90	5	5	UG/L	U
		1,1,2-TRICHLOROETHANE	5	03/14/90	5	5	UG/L	U
		1,1,2-TRICHLOROETHANE	5	06/05/90	5	5	UG/L	U
		1,1,2-TRICHLOROETHANE	5	08/21/90	5	5	UG/L	U
		1,1-DICHLOROETHANE	5	03/14/90	5	5	UG/L	U
		1,1-DICHLOROETHANE	5	06/05/90	5	5	UG/L	U
		1,1-DICHLOROETHANE	5	08/21/90	5	5	UG/L	U
		1,1-DICHLOROETHENE	5	03/14/90	5	5	UG/L	U
		1,1-DICHLOROETHENE	5	06/05/90	5	5	UG/L	U
		1,1-DICHLOROETHENE	5	08/21/90	5	5	UG/L	U
		1,2-DICHLOROETHANE	5	03/14/90	5	5	UG/L	U
		1,2-DICHLOROETHANE	5	06/05/90	5	5	UG/L	U
		1,2-DICHLOROETHANE	5	08/21/90	5	5	UG/L	U
		1,2-DICHLOROETHENE (Total)	5	03/14/90	5	5	UG/L	U
		1,2-DICHLOROETHYLENE	5	06/05/90	5	5	UG/L	U
		1,2-DICHLOROETHYLENE	5	08/21/90	5	5	UG/L	U
		1,2-DICHLOROPROPANE	5	03/14/90	5	5	UG/L	U
		1,2-DICHLOROPROPANE	5	06/05/90	5	5	UG/L	U
		1,2-DICHLOROPROPANE	5	08/21/90	5	5	UG/L	U
		2-BUTANONE	10	03/14/90	10	10	UG/L	U
		2-BUTANONE	10	06/05/90	10	10	UG/L	U
		2-BUTANONE	10	08/21/90	10	10	UG/L	U
		2-HEXANONE	10	03/14/90	10	10	UG/L	U
		2-HEXANONE	10	06/05/90	10	10	UG/L	U
		2-HEXANONE	10	08/21/90	10	10	UG/L	U
		4-METHYL-2-PENTANONE	10	03/14/90	10	10	UG/L	U

1990 Groundwater Quality Data
Solar Evaporation Ponds - Weathered Bedrock

Well Id	Analyte Group	Analyte	Background Exceedance Value	Sample Date	Detection Limit	Concentration	Unit	Lab Qualifier
P207389	Volatile Organics	4-METHYL-2-PENTANONE	10	06/05/90	10	10	UG/L	U
		4-METHYL-2-PENTANONE	10	08/21/90	10	10	UG/L	U
		ACETONE	10	03/14/90	10	10	UG/L	U
		ACETONE	10	06/05/90	10	17	UG/L	
		ACETONE	10	08/21/90	10	10	UG/L	U
		BENZENE	5	03/14/90	5	5	UG/L	U
		BENZENE	5	06/05/90	5	5	UG/L	U
		BENZENE	5	08/21/90	5	5	UG/L	U
		BROMODICHLOROMETHANE	5	03/14/90	5	5	UG/L	U
		BROMODICHLOROMETHANE	5	06/05/90	5	5	UG/L	U
		BROMODICHLOROMETHANE	5	08/21/90	5	5	UG/L	U
		BROMOFORM	5	03/14/90	5	5	UG/L	U
		BROMOFORM	5	06/05/90	5	5	UG/L	U
		BROMOFORM	5	08/21/90	5	5	UG/L	U
		BROMOMETHANE	10	03/14/90	10	10	UG/L	U
		BROMOMETHANE	10	06/05/90	10	10	UG/L	U
		BROMOMETHANE	10	08/21/90	10	10	UG/L	U
		CARBON DISULFIDE	5	03/14/90	5	5	UG/L	U
		CARBON DISULFIDE	5	06/05/90	5	5	UG/L	U
		CARBON DISULFIDE	5	08/21/90	5	5	UG/L	U
		CARBON TETRACHLORIDE	5	03/14/90	5	5	UG/L	U
		CARBON TETRACHLORIDE	5	06/05/90	5	5	UG/L	U
		CARBON TETRACHLORIDE	5	08/21/90	5	5	UG/L	U
		CHLOROBENZENE	5	03/14/90	5	5	UG/L	U
		CHLOROBENZENE	5	06/05/90	5	5	UG/L	U
		CHLOROBENZENE	5	08/21/90	5	5	UG/L	U
		CHLOROETHANE	10	03/14/90	10	10	UG/L	U
		CHLOROETHANE	10	06/05/90	10	10	UG/L	U
		CHLOROETHANE	10	08/21/90	10	10	UG/L	U
		CHLOROFORM	5	03/14/90	5	5	UG/L	U
		CHLOROFORM	5	06/05/90	5	5	UG/L	U
		CHLOROFORM	5	08/21/90	5	5	UG/L	U
		CHLOROMETHANE	10	03/14/90	10	10	UG/L	U
		CHLOROMETHANE	10	06/05/90	10	10	UG/L	U
		CHLOROMETHANE	10	08/21/90	10	10	UG/L	U
		DIBROMOCHLOROMETHANE	5	03/14/90	5	5	UG/L	U
		DIBROMOCHLOROMETHANE	5	06/05/90	5	5	UG/L	U
		DIBROMOCHLOROMETHANE	5	08/21/90	5	5	UG/L	U
		ETHYLBENZENE	5	03/14/90	5	5	UG/L	U
		ETHYLBENZENE	5	06/05/90	5	5	UG/L	U
		ETHYLBENZENE	5	08/21/90	5	5	UG/L	U
		METHYLENE CHLORIDE	5	03/14/90	5	5	UG/L	U
		METHYLENE CHLORIDE	5	06/05/90	5	6	UG/L	
		METHYLENE CHLORIDE	5	08/21/90	5	3	UG/L	B
		STYRENE	5	03/14/90	5	5	UG/L	U
		STYRENE	5	06/05/90	5	5	UG/L	U

1990 Groundwater Quality Data
Solar Evaporation Ponds - Weathered Bedrock

Well Id	Analyte Group	Analyte	Background Exceedance Value	Sample Date	Detection Limit	Concentration	Unit	Lab Qualifier
P207389	Volatile Organics	STYRENE	5	08/21/90	5	5	UG/L	U
		TETRACHLOROETHENE	5	03/14/90	5	5	UG/L	U
		TETRACHLOROETHENE	5	06/05/90	5	5	UG/L	U
		TETRACHLOROETHENE	5	08/21/90	5	5	UG/L	U
		TOLUENE	5	03/14/90	5	5	UG/L	U
		TOLUENE	5	06/05/90	5	5	UG/L	U
		TOLUENE	5	08/21/90	5	5	UG/L	U
		TOTAL XYLENES	5	06/05/90	5	5	UG/L	U
		TOTAL XYLENES	5	08/21/90	5	5	UG/L	U
		TRICHLOROETHENE	5	03/14/90	5	5	UG/L	U
		TRICHLOROETHENE	5	06/05/90	5	5	UG/L	B
		TRICHLOROETHENE	5	08/21/90	5	5	UG/L	U
		VINYL ACETATE	10	03/14/90	10	10	UG/L	U
		VINYL ACETATE	10	06/05/90	10	10	UG/L	U
		VINYL ACETATE	10	08/21/90	10	10	UG/L	U
		VINYL CHLORIDE	10	03/14/90	10	10	UG/L	U
		VINYL CHLORIDE	10	06/05/90	10	10	UG/L	U
		VINYL CHLORIDE	10	08/21/90	10	10	UG/L	U
		XYLENES (TOTAL)	5	03/14/90	5	5	UG/L	U
		cis-1,3-DICHLOROPROPENE	5	03/14/90	5	5	UG/L	U
		cis-1,3-DICHLOROPROPENE	5	06/05/90	5	5	UG/L	U
		cis-1,3-DICHLOROPROPENE	5	08/21/90	5	5	UG/L	U
		trans-1,3-DICHLOROPROPENE	5	03/14/90	5	5	UG/L	U
		trans-1,3-DICHLOROPROPENE	5	06/05/90	5	5	UG/L	U
		trans-1,3-DICHLOROPROPENE	5	08/21/90	5	5	UG/L	U
P207789	Volatile Organics	1,1,1-TRICHLOROETHANE	5	05/08/90	5	5	UG/L	U
		1,1,1-TRICHLOROETHANE	5	08/21/90	5	5	UG/L	U
		1,1,1-TRICHLOROETHANE	5	12/12/90	5	5	UG/L	U
		1,1,2,2-TETRACHLOROETHANE	5	05/08/90	5	5	UG/L	U
		1,1,2,2-TETRACHLOROETHANE	5	08/21/90	5	5	UG/L	U
		1,1,2,2-TETRACHLOROETHANE	5	12/12/90	5	5	UG/L	U
		1,1,2-TRICHLOROETHANE	5	05/08/90	5	5	UG/L	U
		1,1,2-TRICHLOROETHANE	5	08/21/90	5	5	UG/L	U
		1,1,2-TRICHLOROETHANE	5	12/12/90	5	5	UG/L	U
		1,1-DICHLOROETHANE	5	05/08/90	5	5	UG/L	U
		1,1-DICHLOROETHANE	5	08/21/90	5	5	UG/L	U
		1,1-DICHLOROETHANE	5	12/12/90	5	5	UG/L	U
		1,1-DICHLOROETHENE	5	05/08/90	5	5	UG/L	U
		1,1-DICHLOROETHENE	5	08/21/90	5	5	UG/L	U
		1,1-DICHLOROETHENE	5	12/12/90	5	5	UG/L	U
		1,2-DICHLOROETHANE	5	05/08/90	5	5	UG/L	U
		1,2-DICHLOROETHANE	5	08/21/90	5	5	UG/L	U
		1,2-DICHLOROETHANE	5	12/12/90	5	5	UG/L	U
		1,2-DICHLOROETHENE (Total)	5	05/08/90	5	5	UG/L	U
		1,2-DICHLOROETHYLENE	5	08/21/90	5	5	UG/L	U
		1,2-DICHLOROETHYLENE	5	12/12/90	5	5	UG/L	U

1990 Groundwater Quality Data
Solar Evaporation Ponds - Weathered Bedrock

Well Id	Analyte Group	Analyte	Background Exceedance Value	Sample Date	Detection Limit	Concentration	Unit	Lab Qualifier
P207789	Volatile Organics	1,2-DICHLOROPROPANE	5	05/08/90	5	5	UG/L	U
		1,2-DICHLOROPROPANE	5	08/21/90	5	5	UG/L	U
		1,2-DICHLOROPROPANE	5	12/12/90	5	5	UG/L	U
		2-BUTANONE	10	05/08/90	10	10	UG/L	U
		2-BUTANONE	10	08/21/90	10	10	UG/L	U
		2-BUTANONE	10	12/12/90	10	10	UG/L	U
		2-HEXANONE	10	05/08/90	10	10	UG/L	U
		2-HEXANONE	10	08/21/90	10	10	UG/L	U
		2-HEXANONE	10	12/12/90	10	10	UG/L	U
		4-METHYL-2-PENTANONE	10	05/08/90	10	10	UG/L	U
		4-METHYL-2-PENTANONE	10	08/21/90	10	10	UG/L	U
		4-METHYL-2-PENTANONE	10	12/12/90	10	10	UG/L	U
		ACETONE	10	05/08/90	10	10	UG/L	U
		ACETONE	10	08/21/90	10	10	UG/L	U
		ACETONE	10	12/12/90	10	36	UG/L	B
		BENZENE	5	05/08/90	5	5	UG/L	U
		BENZENE	5	08/21/90	5	5	UG/L	U
		BENZENE	5	12/12/90	5	5	UG/L	U
		BROMODICHLOROMETHANE	5	05/08/90	5	5	UG/L	U
		BROMODICHLOROMETHANE	5	08/21/90	5	5	UG/L	U
		BROMODICHLOROMETHANE	5	12/12/90	5	5	UG/L	U
		BROMOFORM	5	05/08/90	5	5	UG/L	U
		BROMOFORM	5	08/21/90	5	5	UG/L	U
		BROMOFORM	5	12/12/90	5	5	UG/L	U
		BROMOMETHANE	10	05/08/90	10	10	UG/L	U
		BROMOMETHANE	10	08/21/90	10	10	UG/L	U
		BROMOMETHANE	10	12/12/90	10	10	UG/L	U
		CARBON DISULFIDE	5	05/08/90	5	5	UG/L	U
		CARBON DISULFIDE	5	08/21/90	5	5	UG/L	U
		CARBON DISULFIDE	5	12/12/90	5	5	UG/L	U
		CARBON TETRACHLORIDE	5	05/08/90	5	5	UG/L	U
		CARBON TETRACHLORIDE	5	08/21/90	5	5	UG/L	U
		CARBON TETRACHLORIDE	5	12/12/90	5	5	UG/L	U
		CHLOROBENZENE	5	05/08/90	5	5	UG/L	U
		CHLOROBENZENE	5	08/21/90	5	5	UG/L	U
		CHLOROBENZENE	5	12/12/90	5	5	UG/L	U
		CHLOROETHANE	10	05/08/90	10	10	UG/L	U
		CHLOROETHANE	10	08/21/90	10	10	UG/L	U
		CHLOROETHANE	10	12/12/90	10	10	UG/L	U
		CHLOROFORM	5	05/08/90	5	5	UG/L	U
		CHLOROFORM	5	08/21/90	5	5	UG/L	U
		CHLOROFORM	5	12/12/90	5	5	UG/L	U
		CHLOROMETHANE	10	05/08/90	10	10	UG/L	U
		CHLOROMETHANE	10	08/21/90	10	10	UG/L	U
		CHLOROMETHANE	10	12/12/90	10	10	UG/L	U
		DIBROMOCHLOROMETHANE	5	05/08/90	5	5	UG/L	U

1990 Groundwater Quality Data
Solar Evaporation Ponds - Weathered Bedrock

Well Id	Analyte Group	Analyte	Background Exceedance Value	Sample Date	Detection Limit	Concentration	Unit	Lab Qualifier
P207789	Volatile Organics	DIBROMOCHLOROMETHANE	5	08/21/90	5	5	UG/L	U
		DIBROMOCHLOROMETHANE	5	12/12/90	5	5	UG/L	U
		ETHYLBENZENE	5	05/08/90	5	5	UG/L	U
		ETHYLBENZENE	5	08/21/90	5	5	UG/L	U
		ETHYLBENZENE	5	12/12/90	5	5	UG/L	U
		METHYLENE CHLORIDE	5	05/08/90	5	5	UG/L	U
		METHYLENE CHLORIDE	5	08/21/90	5	2	UG/L	B
		METHYLENE CHLORIDE	5	12/12/90	5	5	UG/L	U
		STYRENE	5	05/08/90	5	5	UG/L	U
		STYRENE	5	08/21/90	5	5	UG/L	U
		STYRENE	5	12/12/90	5	5	UG/L	U
		TETRACHLOROETHENE	5	05/08/90	5	5	UG/L	U
		TETRACHLOROETHENE	5	08/21/90	5	5	UG/L	U
		TETRACHLOROETHENE	5	12/12/90	5	5	UG/L	U
		TOLUENE	5	05/08/90	5	5	UG/L	U
		TOLUENE	5	08/21/90	5	5	UG/L	U
		TOLUENE	5	12/12/90	5	5	UG/L	U
		TOTAL XYLENES	5	08/21/90	5	5	UG/L	U
		TOTAL XYLENES	5	12/12/90	5	5	UG/L	U
		TRICHLOROETHENE	5	05/08/90	5	5	UG/L	U
		TRICHLOROETHENE	5	08/21/90	5	5	UG/L	U
		TRICHLOROETHENE	5	12/12/90	5	5	UG/L	U
		VINYL ACETATE	10	05/08/90	10	10	UG/L	U
		VINYL ACETATE	10	08/21/90	10	10	UG/L	U
		VINYL ACETATE	10	12/12/90	10	10	UG/L	U
		VINYL CHLORIDE	10	05/08/90	10	10	UG/L	U
		VINYL CHLORIDE	10	08/21/90	10	10	UG/L	U
		VINYL CHLORIDE	10	12/12/90	10	10	UG/L	U
		XYLENES (TOTAL)	5	05/08/90	5	5	UG/L	U
		cis-1,3-DICHLOROPROPENE	5	05/08/90	5	5	UG/L	U
		cis-1,3-DICHLOROPROPENE	5	08/21/90	5	5	UG/L	U
		cis-1,3-DICHLOROPROPENE	5	12/12/90	5	5	UG/L	U
		trans-1,3-DICHLOROPROPENE	5	05/08/90	5	5	UG/L	U
		trans-1,3-DICHLOROPROPENE	5	08/21/90	5	5	UG/L	U
		trans-1,3-DICHLOROPROPENE	5	12/12/90	5	5	UG/L	U
P207989	Inorganics	CARBONATE	5	02/06/90		5	MG/L	U
		CARBONATE, HYDROGEN	249.35	02/06/90		360	MG/L	
		CARBONATE, HYDROGEN	249.35	08/28/90	1.0	310	MG/L	
		CHLORIDE (North)	10.67	02/06/90		260	MG/L	
		CHLORIDE (North)	10.67	08/28/90		250	MG/L	
		FLUORIDE	0.1	02/06/90		4.0	MG/L	
		FLUORIDE	0.1	08/28/90		4.8	MG/L	
		NITRATE/NITRITE	3.43	02/06/90		4.0	MG/L	
		NITRATE/NITRITE	3.43	08/28/90		4.0	MG/L	
		NITRITE		08/28/90		0.02	MG/L	U
		PH	8.22	02/06/90		8.0	PHUNIT	

1990 Groundwater Quality Data
Solar Evaporation Ponds - Weathered Bedrock

Well Id	Analyte Group	Analyte	Background Exceedance Value	Sample Date	Detection Limit	Concentration	Unit	Lab Qualifier
P207989	Inorganics	PHOSPHATE		08/28/90		0.05	MG/L	
		SILICA, DISSOLVED		08/28/90		6.0	MG/L	
		SULFATE	67.08	02/06/90		250	MG/L	
		SULFATE	67.08	08/28/90	2.0	340	MG/L	
		TOTAL DISSOLVED SOLIDS	388.76	02/06/90		1100	MG/L	
		TOTAL DISSOLVED SOLIDS	388.76	08/28/90	10.0	1200	MG/L	
		TOTAL SUSPENDED SOLIDS	4.0	08/28/90	4.0	12	MG/L	
P207989	Dissolved Metals	ALUMINUM	0.327	02/06/90	200	84.0	UG/L	U
		ALUMINUM	0.327	02/08/90	200	84.0	UG/L	U
		ALUMINUM	0.327	05/02/90	200	84.0	UG/L	U
		ANTIMONY	0.5	02/06/90	60	22.0	UG/L	U
		ANTIMONY	0.5	02/08/90	60	22.0	UG/L	U
		ANTIMONY	0.5	05/02/90	60	22.0	UG/L	U
		ARSENIC	0.01	02/06/90	10	2.0	UG/L	U
		ARSENIC	0.01	02/08/90	10	2.0	UG/L	U
		ARSENIC	0.01	05/02/90	10	2.0	UG/L	U
		BARIUM	0.2	02/06/90	200	110	UG/L	
		BARIUM	0.2	02/08/90	200	110	UG/L	
		BARIUM	0.2	05/02/90	200	81.7	UG/L	
		BERYLLIUM	0.005	02/06/90	5	1.0	UG/L	U
		BERYLLIUM	0.005	02/08/90	5	1.0	UG/L	U
		BERYLLIUM	0.005	05/02/90	5	1.0	UG/L	U
		CADMIUM	0.011	02/06/90	5	3.0	UG/L	U
		CADMIUM	0.011	02/08/90	5	3.0	UG/L	U
		CADMIUM	0.011	05/02/90	5	3.0	UG/L	U
		CALCIUM	62.59	02/06/90	5000	72300	UG/L	
		CALCIUM	62.59	02/08/90	5000	72300	UG/L	
		CALCIUM	62.59	05/02/90	5000	59300	UG/L	
		CESIUM	2.5	02/06/90	1000	2500	UG/L	U
		CESIUM	2.5	02/08/90	1000	2500	UG/L	U
		CESIUM	2.5	05/02/90	1000	2500	UG/L	U
		CHROMIUM	0.02	02/06/90	10	2.0	UG/L	U
		CHROMIUM	0.02	02/08/90	10	2.0	UG/L	U
		CHROMIUM	0.02	05/02/90	10	2.0	UG/L	U
		COBALT	0.05	02/06/90	50	4.0	UG/L	U
		COBALT	0.05	02/08/90	50	4.0	UG/L	U
		COBALT	0.05	05/02/90	50	4.0	UG/L	U
		COPPER	0.048	02/06/90	25	5.7	UG/L	
		COPPER	0.048	02/08/90	25	5.7	UG/L	
		COPPER	0.048	05/02/90	25	9.9	UG/L	U
		IRON	0.944	02/06/90	100	44.0	UG/L	U
		IRON	0.944	02/08/90	100	44.0	UG/L	U
		IRON	0.944	05/02/90	100	44.0	UG/L	U
		LEAD	0.040	02/06/90	5	3.0	UG/L	U
		LEAD	0.040	02/08/90	5	3.0	UG/L	U
		LEAD	0.040	05/02/90	5	3.0	UG/L	U

1990 Groundwater Quality Data
Solar Evaporation Ponds - Weathered Bedrock

Well Id	Analyte Group	Analyte	Background Exceedance Value	Sample Date	Detection Limit	Concentration	Unit	Lab Qualifier
P207989	Dissolved Metals	LITHIUM	1.79	02/06/90	100	100	UG/L	U
		LITHIUM	1.79	02/08/90	100	100	UG/L	U
		LITHIUM	1.79	05/02/90	100	100	UG/L	U
		MAGNESIUM	16.09	02/06/90	5000	48800	UG/L	
		MAGNESIUM	16.09	02/08/90	5000	48800	UG/L	
		MAGNESIUM	16.09	05/02/90	5000	47800	UG/L	
		MANGANESE	0.213	02/06/90	15	73.8	UG/L	
		MANGANESE	0.213	02/08/90	15	73.8	UG/L	
		MANGANESE	0.213	05/02/90	15	7.4	UG/L	
		MERCURY	0.0008	02/06/90		0.2	UG/L	U
		MERCURY	0.0008	02/08/90		0.2	UG/L	U
		MERCURY	0.0008	05/02/90		0.2	UG/L	U
		MOLYBDENUM	0.5	02/06/90	200	100	UG/L	U
		MOLYBDENUM	0.5	02/08/90	200	100	UG/L	U
		MOLYBDENUM	0.5	05/02/90	200	100	UG/L	U
		NICKEL	0.043	02/06/90	40	100	UG/L	
		NICKEL	0.043	02/08/90	40	100	UG/L	
		NICKEL	0.043	05/02/90	40	21.1	UG/L	U
		POTASSIUM	11.3	02/06/90	5000	2810	UG/L	
		POTASSIUM	11.3	02/08/90	5000	2810	UG/L	
		POTASSIUM	11.3	05/02/90	5000	2200	UG/L	
		SELENIUM	0.221	02/06/90	5	17.6	UG/L	
		SELENIUM	0.221	02/08/90	5	17.6	UG/L	
		SELENIUM	0.221	05/02/90	5	46	UG/L	
		SILVER	0.004	02/06/90	10	3.0	UG/L	U
		SILVER	0.004	02/08/90	10	3.0	UG/L	U
		SILVER	0.004	05/02/90	10	3.0	UG/L	U
		SODIUM	46.74	02/06/90	5000	225000	UG/L	
		SODIUM	46.74	02/08/90	5000	225000	UG/L	
		SODIUM	46.74	05/02/90	5000	246000	UG/L	
		STRONTIUM	7.12	02/06/90	200	1020	UG/L	
		STRONTIUM	7.12	02/08/90	200	1020	UG/L	
		STRONTIUM	7.12	05/02/90	200	996	UG/L	J
		THALLIUM	1	02/06/90	10	4.0	UG/L	U
		THALLIUM	1	02/08/90	10	4.0	UG/L	U
		THALLIUM	1	05/02/90	10	4.0	UG/L	U
		TIN	1	02/06/90	200	100	UG/L	U
		TIN	1	02/08/90	200	100	UG/L	U
		TIN	1	05/02/90	200	100	UG/L	U
		VANADIUM	0.05	02/06/90	50	25.0	UG/L	U
		VANADIUM	0.05	02/08/90	50	25.0	UG/L	U
		VANADIUM	0.05	05/02/90	50	5.0	UG/L	U
		ZINC	0.141	02/06/90	20	40.1	UG/L	
		ZINC	0.141	02/08/90	20	40.1	UG/L	
		ZINC	0.141	05/02/90	20	12.8	UG/L	U
P207989	Volatile Organics	1,1,1-TRICHLOROETHANE	5	05/02/90	5	5	UG/L	U

1990 Groundwater Quality Data
Solar Evaporation Ponds - Weathered Bedrock

Well Id	Analyte Group	Analyte	Background Exceedance Value	Sample Date	Detection Limit	Concentration	Unit	Lab Qualifier
P207989	Volatile Organics	1,1,1-TRICHLOROETHANE	5	08/28/90	5	5	UG/L	U
		1,1,2,2-TETRACHLOROETHANE	5	05/02/90	5	5	UG/L	U
		1,1,2,2-TETRACHLOROETHANE	5	08/28/90	5	5	UG/L	U
		1,1,2-TRICHLOROETHANE	5	05/02/90	5	5	UG/L	U
		1,1,2-TRICHLOROETHANE	5	08/28/90	5	5	UG/L	U
		1,1-DICHLOROETHANE	5	05/02/90	5	5	UG/L	U
		1,1-DICHLOROETHANE	5	08/28/90	5	5	UG/L	U
		1,1-DICHLOROETHENE	5	05/02/90	5	5	UG/L	U
		1,1-DICHLOROETHENE	5	08/28/90	5	5	UG/L	U
		1,2-DICHLOROETHANE	5	05/02/90	5	5	UG/L	U
		1,2-DICHLOROETHANE	5	08/28/90	5	5	UG/L	U
		1,2-DICHLOROETHENE (Total)	5	05/02/90	5	5	UG/L	U
		1,2-DICHLOROETHYLENE	5	08/28/90	5	5	UG/L	U
		1,2-DICHLOROPROPANE	5	05/02/90	5	5	UG/L	U
		1,2-DICHLOROPROPANE	5	08/28/90	5	5	UG/L	U
		2-BUTANONE	10	05/02/90	10	10	UG/L	U
		2-BUTANONE	10	08/28/90	10	10	UG/L	U
		2-HEXANONE	10	05/02/90	10	10	UG/L	U
		2-HEXANONE	10	08/28/90	10	10	UG/L	U
		4-METHYL-2-PENTANONE	10	05/02/90	10	10	UG/L	U
		4-METHYL-2-PENTANONE	10	08/28/90	10	10	UG/L	U
		ACETONE	10	05/02/90	10	1	UG/L	J
		ACETONE	10	08/28/90	10	12	UG/L	
		BENZENE	5	05/02/90	5	5	UG/L	U
		BENZENE	5	08/28/90	5	5	UG/L	U
		BROMODICHLOROMETHANE	5	05/02/90	5	5	UG/L	U
		BROMODICHLOROMETHANE	5	08/28/90	5	5	UG/L	U
		BROMOFORM	5	05/02/90	5	5	UG/L	U
		BROMOFORM	5	08/28/90	5	5	UG/L	U
		BROMOMETHANE	10	05/02/90	10	10	UG/L	U
		BROMOMETHANE	10	08/28/90	10	10	UG/L	U
		CARBON DISULFIDE	5	05/02/90	5	5	UG/L	U
		CARBON DISULFIDE	5	08/28/90	5	5	UG/L	U
		CARBON TETRACHLORIDE	5	05/02/90	5	5	UG/L	U
		CARBON TETRACHLORIDE	5	08/28/90	5	5	UG/L	U
		CHLOROBENZENE	5	05/02/90	5	5	UG/L	U
		CHLOROBENZENE	5	08/28/90	5	5	UG/L	U
		CHLOROETHANE	10	05/02/90	10	10	UG/L	U
		CHLOROETHANE	10	08/28/90	10	10	UG/L	U
		CHLOROFORM	5	05/02/90	5	5	UG/L	U
		CHLOROFORM	5	08/28/90	5	5	UG/L	U
		CHLOROMETHANE	10	05/02/90	10	10	UG/L	U
		CHLOROMETHANE	10	08/28/90	10	10	UG/L	U
		DIBROMOCHLOROMETHANE	5	05/02/90	5	5	UG/L	U
		DIBROMOCHLOROMETHANE	5	08/28/90	5	5	UG/L	U
		ETHYLBENZENE	5	05/02/90	5	5	UG/L	U

1990 Groundwater Quality Data
Solar Evaporation Ponds - Weathered Bedrock

Well Id	Analyte Group	Analyte	Background Exceedance Value	Sample Date	Detection Limit	Concentration	Unit	Lab Qualifier
P207989	Volatile Organics	ETHYLBENZENE	5	08/28/90	5	5	UG/L	U
		METHYLENE CHLORIDE	5	05/02/90	5	5	UG/L	U
		METHYLENE CHLORIDE	5	08/28/90	5	5	UG/L	U
		STYRENE	5	05/02/90	5	5	UG/L	U
		STYRENE	5	08/28/90	5	5	UG/L	U
		TETRACHLOROETHENE	5	05/02/90	5	5	UG/L	U
		TETRACHLOROETHENE	5	08/28/90	5	5	UG/L	U
		TOLUENE	5	05/02/90	5	5	UG/L	U
		TOLUENE	5	08/28/90	5	5	UG/L	U
		TOTAL XYLENES	5	08/28/90	5	5	UG/L	U
		TRICHLOROETHENE	5	05/02/90	5	5	UG/L	U
		TRICHLOROETHENE	5	08/28/90	5	5	UG/L	U
		VINYL ACETATE	10	05/02/90	10	10	UG/L	U
		VINYL ACETATE	10	08/28/90	10	10	UG/L	U
		VINYL CHLORIDE	10	05/02/90	10	10	UG/L	U
		VINYL CHLORIDE	10	08/28/90	10	10	UG/L	U
		XYLENES (TOTAL)	5	05/02/90	5	5	UG/L	U
		cis-1,3-DICHLOROPROPENE	5	05/02/90	5	5	UG/L	U
		cis-1,3-DICHLOROPROPENE	5	08/28/90	5	5	UG/L	U
		trans-1,3-DICHLOROPROPENE	5	05/02/90	5	5	UG/L	U
		trans-1,3-DICHLOROPROPENE	5	08/28/90	5	5	UG/L	U
P20898	Diss. Radionuclides	CESIUM-137	0.506	03/09/90		0.46	PCI/L	
		GROSS ALPHA - PARTICULATE	55.07	03/09/90	23	76	PCI/L	
		GROSS BETA - PARTICULATE	59.63	03/09/90	19	47	PCI/L	
		STRONTIUM-90		03/09/90		1.51	PCI/L	
		TRITIUM	359.07	03/09/90	240	2440	PCI/L	
		URANIUM-233,234	0.1+/-.1	03/09/90		67.93	PCI/L	
		URANIUM-235	2.09	03/09/90		1.16	PCI/L	
		URANIUM-238	25.57	03/09/90		40.70	PCI/L	
P208989	Inorganics	CARBONATE	5	03/09/90		5	MG/L	U
		CARBONATE	5	09/03/90		5	MG/L	U
		CARBONATE, HYDROGEN	249.35	03/09/90		280	MG/L	
		CARBONATE, HYDROGEN	249.35	07/31/90	1.0	270	MG/L	
		CARBONATE, HYDROGEN	249.35	09/03/90		280	MG/L	
		CHLORIDE (North)	10.67	03/09/90		280	MG/L	
		CHLORIDE (North)	10.67	07/31/90		220	MG/L	
		CHLORIDE (North)	10.67	09/03/90		280	MG/L	
		CYANIDE	0.01	03/22/90	10	10.0	UG/L	U
		CYANIDE	0.01	05/08/90	10	10.0	UG/L	U
		FLUORIDE	0.1	03/09/90		0.8	MG/L	
		FLUORIDE	0.1	07/31/90		0.6	MG/L	
		FLUORIDE	0.1	09/03/90		0.8	MG/L	
		NITRATE/NITRITE	3.43	03/09/90		1900	MG/L	
		NITRATE/NITRITE	3.43	07/31/90		1600	MG/L	
		NITRATE/NITRITE	3.43	09/03/90		1900	MG/L	
		NITRITE		07/31/90		0.8	MG/L	

1990 Groundwater Quality Data
Solar Evaporation Ponds - Weathered Bedrock

Well Id	Analyte Group	Analyte	Background Exceedance Value	Sample Date	Detection Limit	Concentration	Unit	Lab Qualifier
P208989	Inorganics	PH	8.22	03/09/90		7.3	PHUNIT	
		PH	8.22	09/03/90		7.3	PHUNIT	
		PHOSPHATE		07/31/90		0.01	MG/L	U
		SILICA, DISSOLVED		07/31/90		8.0	MG/L	
		SULFATE	67.08	03/09/90		140	MG/L	
		SULFATE	67.08	07/31/90	2.0	130	MG/L	
		SULFATE	67.08	09/03/90		140	MG/L	
		TOTAL DISSOLVED SOLIDS	388.76	03/09/90		12000	MG/L	
		TOTAL DISSOLVED SOLIDS	388.76	07/31/90	10.0	11,000	MG/L	
		TOTAL DISSOLVED SOLIDS	388.76	09/03/90		12,000	MG/L	
		TOTAL SUSPENDED SOLIDS	4.0	07/31/90	4.0	27	MG/L	
P208989	Total Metals	CYANIDE	0.01	07/31/90	10	2.50	UG/L	B
P208989	Dissolved Metals	ALUMINUM	0.327	03/22/90	200	83.0	UG/L	
		ALUMINUM	0.327	05/08/90	200	84.0	UG/L	U
		ALUMINUM	0.327	07/31/90	200	338.00	UG/L	
		ANTIMONY	0.5	03/22/90	60	26.0	UG/L	U
		ANTIMONY	0.5	05/08/90	60	46.9	UG/L	J
		ANTIMONY	0.5	07/31/90	60	112.00	UG/L	
		ARSENIC	0.01	03/22/90	10	2.0	UG/L	U
		ARSENIC	0.01	05/08/90	10	2.0	UG/L	U
		ARSENIC	0.01	07/31/90	10	1.00	UG/L	B
		BARIUM	0.2	03/22/90	200	867	UG/L	J
		BARIUM	0.2	05/08/90	200	865	UG/L	
		BARIUM	0.2	07/31/90	200	664.00	UG/L	
		BERYLLIUM	0.005	03/22/90	5	1.0	UG/L	U
		BERYLLIUM	0.005	05/08/90	5	1.0	UG/L	U
		BERYLLIUM	0.005	07/31/90	5	2.60	UG/L	B
		CADMIUM	0.011	03/22/90	5	2.0	UG/L	U
		CADMIUM	0.011	05/08/90	5	3.0	UG/L	U
		CADMIUM	0.011	07/31/90	5	25.80	UG/L	
		CALCIUM	62.59	03/22/90	5000	135000	UG/L	
		CALCIUM	62.59	05/08/90	5000	1910000	UG/L	
		CALCIUM	62.59	07/31/90	5000	1720000.0	UG/L	
		CESIUM	2.5	03/22/90	1000	120	UG/L	
		CESIUM	2.5	05/08/90	1000	2500	UG/L	U
		CESIUM	2.5	07/31/90	1000	147.00	UG/L	U
		CHROMIUM	0.02	03/22/90	10	5.0	UG/L	U
		CHROMIUM	0.02	05/08/90	10	2.0	UG/L	U
		CHROMIUM	0.02	07/31/90	10	139.00	UG/L	
		COBALT	0.05	03/22/90	50	6.8	UG/L	J
		COBALT	0.05	05/08/90	50	7.9	UG/L	U
		COBALT	0.05	07/31/90	50	51.80	UG/L	
		COPPER	0.048	03/22/90	25	5.0	UG/L	U
		COPPER	0.048	05/08/90	25	5.0	UG/L	U
		COPPER	0.048	07/31/90	25	28.80	UG/L	
		IRON	0.944	03/22/90	100	29.7	UG/L	U

1990 Groundwater Quality Data
Solar Evaporation Ponds - Weathered Bedrock

Well Id	Analyte Group	Analyte	Background Exceedance Value	Sample Date	Detection Limit	Concentration	Unit	Lab Qualifier
P208989	Dissolved Metals	IRON	0.944	05/08/90	100	44.0	UG/L	U
		IRON	0.944	07/31/90	100	13.00	UG/L	U
		LEAD	0.040	03/22/90	5	2.0	UG/L	U
		LEAD	0.040	05/08/90	5	1.0	UG/L	U
		LEAD	0.040	07/31/90	3	1.00	UG/L	U
		LITHIUM	1.79	03/22/90	100	614	UG/L	
		LITHIUM	1.79	05/08/90	100	808	UG/L	J
		LITHIUM	1.79	07/31/90	100	596.00	UG/L	
		MAGNESIUM	16.09	03/22/90	5000	399000	UG/L	
		MAGNESIUM	16.09	05/08/90	5000	477000	UG/L	
		MAGNESIUM	16.09	07/31/90	5000	367000.00	UG/L	
		MANGANESE	0.213	03/22/90	15	31.6	UG/L	J
		MANGANESE	0.213	05/08/90	15	27.9	UG/L	J
		MANGANESE	0.213	07/31/90	15	27.00	UG/L	
		MERCURY	0.0008	03/22/90		0.2	UG/L	U
		MERCURY	0.0008	05/08/90		0.20	UG/L	U
		MERCURY	0.0008	07/31/90	0	0.20	UG/L	U
		MOLYBDENUM	0.5	03/22/90	200	35.0	UG/L	U
		MOLYBDENUM	0.5	05/08/90	200	100	UG/L	U
		MOLYBDENUM	0.5	07/31/90	200	71.40	UG/L	B
		NICKEL	0.043	03/22/90	40	12.4	UG/L	
		NICKEL	0.043	05/08/90	40	7.0	UG/L	U
		NICKEL	0.043	07/31/90	40	80.20	UG/L	
		POTASSIUM	11.3	03/22/90	5000	11300	UG/L	
		POTASSIUM	11.3	05/08/90	5000	9580	UG/L	
		POTASSIUM	11.3	07/31/90	5000	8360.00	UG/L	
		SELENIUM	0.221	03/22/90	5	114	UG/L	J
		SELENIUM	0.221	05/08/90	5	40.0	UG/L	J
		SELENIUM	0.221	07/31/90	5	30.00	UG/L	B
		SILICON		05/08/90		7340	UG/L	J
		SILVER	0.004	03/22/90	10	6.0	UG/L	U
		SILVER	0.004	05/08/90	10	3.0	UG/L	U
		SILVER	0.004	07/31/90	10	43.20	UG/L	
		SODIUM	46.74	03/22/90	5000	464000	UG/L	
		SODIUM	46.74	05/08/90	5000	564000	UG/L	
		SODIUM	46.74	07/31/90	5000	451000.00	UG/L	
		STRONTIUM	7.12	03/22/90	200	13900	UG/L	J
		STRONTIUM	7.12	05/08/90	200	15500	UG/L	J
		STRONTIUM	7.12	07/31/90	200	12200.00	UG/L	
		THALLIUM	1	03/22/90	10	3.0	UG/L	U
		THALLIUM	1	05/08/90	10	2.0	UG/L	U
		THALLIUM	1	07/31/90	10	3.00	UG/L	U
		TIN	1	03/22/90	200	25.0	UG/L	U
		TIN	1	05/08/90	200	100	UG/L	U
		TIN	1	07/31/90	200	209.00	UG/L	
		VANADIUM	0.05	03/22/90	50	6.0	UG/L	U

1990 Groundwater Quality Data
Solar Evaporation Ponds - Weathered Bedrock

Well Id	Analyte Group	Analyte	Background Exceedance Value	Sample Date	Detection Limit	Concentration	Unit	Lab Qualifier
P208989	Dissolved Metals	VANADIUM	0.05	05/08/90	50	118	UG/L	J
		VANADIUM	0.05	07/31/90	50	76.30	UG/L	
		ZINC	0.141	03/22/90	20	45.2	UG/L	J
		ZINC	0.141	05/08/90	20	5.0	UG/L	U
		ZINC	0.141	07/31/90	20	25.80	UG/L	
P208989	Volatile Organics	1,1,1-TRICHLOROETHANE	5	03/09/90	5	5	UG/L	U
		1,1,1-TRICHLOROETHANE	5	05/08/90	5	5	UG/L	U
		1,1,1-TRICHLOROETHANE	5	07/31/90	5	5	UG/L	U
		1,1,1-TRICHLOROETHANE	5	10/17/90	5	5	UG/L	U
		1,1,2,2-TETRACHLOROETHANE	5	03/09/90	5	5	UG/L	U
		1,1,2,2-TETRACHLOROETHANE	5	05/08/90	5	5	UG/L	U
		1,1,2,2-TETRACHLOROETHANE	5	07/31/90	5	5	UG/L	U
		1,1,2,2-TETRACHLOROETHANE	5	10/17/90	5	5	UG/L	U
		1,1,2-TRICHLOROETHANE	5	03/09/90	5	5	UG/L	U
		1,1,2-TRICHLOROETHANE	5	05/08/90	5	5	UG/L	U
		1,1,2-TRICHLOROETHANE	5	07/31/90	5	5	UG/L	U
		1,1,2-TRICHLOROETHANE	5	10/17/90	5	5	UG/L	U
		1,1-DICHLOROETHANE	5	03/09/90	5	5	UG/L	U
		1,1-DICHLOROETHANE	5	05/08/90	5	5	UG/L	U
		1,1-DICHLOROETHANE	5	07/31/90	5	5	UG/L	U
		1,1-DICHLOROETHANE	5	10/17/90	5	5	UG/L	U
		1,1-DICHLOROETHENE	5	03/09/90	5	5	UG/L	U
		1,1-DICHLOROETHENE	5	05/08/90	5	5	UG/L	U
		1,1-DICHLOROETHENE	5	07/31/90	5	5	UG/L	U
		1,1-DICHLOROETHENE	5	10/17/90	5	5	UG/L	U
		1,2-DICHLOROETHANE	5	03/09/90	5	5	UG/L	U
		1,2-DICHLOROETHANE	5	05/08/90	5	5	UG/L	U
		1,2-DICHLOROETHANE	5	07/31/90	5	5	UG/L	U
		1,2-DICHLOROETHANE	5	10/17/90	5	5	UG/L	U
		1,2-DICHLOROETHENE (Total)	5	03/09/90	5	5	UG/L	U
		1,2-DICHLOROETHENE (Total)	5	05/08/90	5	5	UG/L	U
		1,2-DICHLOROETHENE (Total)	5	10/17/90	5	5	UG/L	U
		1,2-DICHLOROETHYLENE	5	07/31/90	5	5	UG/L	U
		1,2-DICHLOROPROPANE	5	03/09/90	5	5	UG/L	U
		1,2-DICHLOROPROPANE	5	05/08/90	5	5	UG/L	U
		1,2-DICHLOROPROPANE	5	07/31/90	5	5	UG/L	U
		1,2-DICHLOROPROPANE	5	10/17/90	5	5	UG/L	U
		2-BUTANONE	10	03/09/90	10	10	UG/L	U
		2-BUTANONE	10	05/08/90	10	10	UG/L	U
		2-BUTANONE	10	07/31/90	10	10	UG/L	U
		2-BUTANONE	10	10/17/90	10	10	UG/L	U
		2-HEXANONE	10	03/09/90	10	10	UG/L	U
		2-HEXANONE	10	05/08/90	10	10	UG/L	U
		2-HEXANONE	10	07/31/90	10	10	UG/L	U
		2-HEXANONE	10	10/17/90	10	10	UG/L	U
		4-METHYL-2-PENTANONE	10	03/09/90	10	10	UG/L	U

1990 Groundwater Quality Data
Solar Evaporation Ponds - Weathered Bedrock

Well Id	Analyte Group	Analyte	Background Exceedance Value	Sample Date	Detection Limit	Concentration	Unit	Lab Qualifier
P208989	Volatile Organics	4-METHYL-2-PENTANONE	10	05/08/90	10	10	UG/L	U
		4-METHYL-2-PENTANONE	10	07/31/90	10	10	UG/L	U
		4-METHYL-2-PENTANONE	10	10/17/90	10	10	UG/L	U
		ACETONE	10	03/09/90	10	10	UG/L	U
		ACETONE	10	03/09/90	10	5	UG/L	U
		ACETONE	10	05/08/90	10	10	UG/L	U
		ACETONE	10	07/31/90	10	8	UG/L	B
		ACETONE	10	10/17/90	10	10	UG/L	U
		BENZENE	5	03/09/90	5	5	UG/L	U
		BENZENE	5	05/08/90	5	5	UG/L	U
		BENZENE	5	07/31/90	5	5	UG/L	U
		BENZENE	5	10/17/90	5	5	UG/L	U
		BROMODICHLOROMETHANE	5	03/09/90	5	5	UG/L	U
		BROMODICHLOROMETHANE	5	05/08/90	5	5	UG/L	U
		BROMODICHLOROMETHANE	5	07/31/90	5	5	UG/L	U
		BROMODICHLOROMETHANE	5	10/17/90	5	5	UG/L	U
		BROMOFORM	5	03/09/90	5	5	UG/L	U
		BROMOFORM	5	05/08/90	5	5	UG/L	U
		BROMOFORM	5	07/31/90	5	5	UG/L	U
		BROMOFORM	5	10/17/90	5	5	UG/L	U
		BROMOMETHANE	10	03/09/90	10	10	UG/L	U
		BROMOMETHANE	10	05/08/90	10	10	UG/L	U
		BROMOMETHANE	10	07/31/90	10	10	UG/L	U
		BROMOMETHANE	10	10/17/90	10	10	UG/L	U
		CARBON DISULFIDE	5	03/09/90	5	5	UG/L	U
		CARBON DISULFIDE	5	05/08/90	5	5	UG/L	U
		CARBON DISULFIDE	5	07/31/90	5	2	UG/L	J
		CARBON DISULFIDE	5	10/17/90	5	5	UG/L	U
		CARBON TETRACHLORIDE	5	03/09/90	5	5	UG/L	U
		CARBON TETRACHLORIDE	5	05/08/90	5	5	UG/L	U
		CARBON TETRACHLORIDE	5	07/31/90	5	5	UG/L	U
		CARBON TETRACHLORIDE	5	10/17/90	5	5	UG/L	U
		CHLOROBENZENE	5	03/09/90	5	5	UG/L	U
		CHLOROBENZENE	5	05/08/90	5	5	UG/L	U
		CHLOROBENZENE	5	07/31/90	5	5	UG/L	U
		CHLOROBENZENE	5	10/17/90	5	5	UG/L	U
		CHLOROETHANE	10	03/09/90	10	10	UG/L	U
		CHLOROETHANE	10	05/08/90	10	10	UG/L	U
		CHLOROETHANE	10	07/31/90	10	10	UG/L	U
		CHLOROETHANE	10	10/17/90	10	10	UG/L	U
		CHLOROFORM	5	03/09/90	5	5	UG/L	U
		CHLOROFORM	5	05/08/90	5	5	UG/L	U
		CHLOROFORM	5	07/31/90	5	5	UG/L	U
		CHLOROFORM	5	10/17/90	5	5	UG/L	U
		CHLOROMETHANE	10	03/09/90	10	10	UG/L	U
		CHLOROMETHANE	10	05/08/90	10	10	UG/L	U

1990 Groundwater Quality Data
Solar Evaporation Ponds - Weathered Bedrock

Well Id	Analyte Group	Analyte	Background Exceedance Value	Sample Date	Detection Limit	Concentration	Unit	Lab Qualifier
P208989	Volatile Organics	CHLOROMETHANE	10	07/31/90	10	10	UG/L	U
		CHLOROMETHANE	10	10/17/90	10	10	UG/L	U
		DIBROMOCHLOROMETHANE	5	03/09/90	5	5	UG/L	U
		DIBROMOCHLOROMETHANE	5	05/08/90	5	5	UG/L	U
		DIBROMOCHLOROMETHANE	5	07/31/90	5	5	UG/L	U
		DIBROMOCHLOROMETHANE	5	10/17/90	5	5	UG/L	U
		ETHYLBENZENE	5	03/09/90	5	5	UG/L	U
		ETHYLBENZENE	5	05/08/90	5	5	UG/L	U
		ETHYLBENZENE	5	07/31/90	5	5	UG/L	U
		ETHYLBENZENE	5	10/17/90	5	5	UG/L	U
		METHYLENE CHLORIDE	5	03/09/90	5	5	UG/L	U
		METHYLENE CHLORIDE	5	05/08/90	5	5	UG/L	U
		METHYLENE CHLORIDE	5	07/31/90	5	5	UG/L	U
		METHYLENE CHLORIDE	5	10/17/90	5	5	UG/L	U
		STYRENE	5	03/09/90	5	5	UG/L	U
		STYRENE	5	05/08/90	5	5	UG/L	U
		STYRENE	5	07/31/90	5	5	UG/L	U
		STYRENE	5	10/17/90	5	5	UG/L	U
		TETRACHLOROETHENE	5	03/09/90	5	5	UG/L	U
		TETRACHLOROETHENE	5	05/08/90	5	5	UG/L	U
		TETRACHLOROETHENE	5	07/31/90	5	2	UG/L	J
		TETRACHLOROETHENE	5	10/17/90	5	1	UG/L	J
		TOLUENE	5	03/09/90	5	5	UG/L	U
		TOLUENE	5	05/08/90	5	5	UG/L	U
		TOLUENE	5	07/31/90	5	5	UG/L	U
		TOLUENE	5	10/17/90	5	3	UG/L	J
		TOTAL XYLENES	5	07/31/90	5	5	UG/L	U
		TRICHLOROETHENE	5	03/09/90	5	5	UG/L	U
		TRICHLOROETHENE	5	05/08/90	5	5	UG/L	U
		TRICHLOROETHENE	5	07/31/90	5	5	UG/L	U
		TRICHLOROETHENE	5	10/17/90	5	5	UG/L	U
		VINYL ACETATE	10	03/09/90	10	10	UG/L	U
		VINYL ACETATE	10	05/08/90	10	10	UG/L	U
		VINYL ACETATE	10	07/31/90	10	10	UG/L	U
		VINYL ACETATE	10	10/17/90	10	10	UG/L	U
		VINYL CHLORIDE	10	03/09/90	10	10	UG/L	U
		VINYL CHLORIDE	10	05/08/90	10	10	UG/L	U
		VINYL CHLORIDE	10	07/31/90	10	10	UG/L	U
		VINYL CHLORIDE	10	10/17/90	10	10	UG/L	U
		XYLENES (TOTAL)	5	03/09/90	5	5	UG/L	U
		XYLENES (TOTAL)	5	05/08/90	5	5	UG/L	U
		XYLENES (TOTAL)	5	10/17/90	5	5	UG/L	U
		cis-1,3-DICHLOROPROPENE	5	03/09/90	5	5	UG/L	U
		cis-1,3-DICHLOROPROPENE	5	05/08/90	5	5	UG/L	U
		cis-1,3-DICHLOROPROPENE	5	07/31/90	5	5	UG/L	U
		cis-1,3-DICHLOROPROPENE	5	10/17/90	5	5	UG/L	U

1990 Groundwater Quality Data
Solar Evaporation Ponds - Weathered Bedrock

Well Id	Analyte Group	Analyte	Background Exceedance Value	Sample Date	Detection Limit	Concentration	Unit	Lab Qualifier
P208989	Volatile Organics	trans-1,3-DICHLOROPROPENE	5	03/09/90	5	5	UG/L	U
		trans-1,3-DICHLOROPROPENE	5	05/08/90	5	5	UG/L	U
		trans-1,3-DICHLOROPROPENE	5	07/31/90	5	5	UG/L	U
		trans-1,3-DICHLOROPROPENE	5	10/17/90	5	5	UG/L	U
P20908	Diss. Radionuclides	GROSS ALPHA - PARTICULATE	55.07	03/05/90	1.6	31.1	PCI/L	
		GROSS BETA - PARTICULATE	59.63	03/05/90	3.9	26.7	PCI/L	
P209089	Inorganics	CARBONATE	5	03/05/90		5	MG/L	U
		CARBONATE	5	05/03/90		5	MG/L	U
		CARBONATE, HYDROGEN	249.35	03/05/90		420	MG/L	
		CARBONATE, HYDROGEN	249.35	05/03/90		420	MG/L	
		CHLORIDE (North)	10.67	03/05/90		19	MG/L	
		CHLORIDE (North)	10.67	05/03/90		19	MG/L	
		CYANIDE	0.01	03/12/90	10	10.0	UG/L	U
		FLUORIDE	0.1	03/05/90		2.9	MG/L	
		FLUORIDE	0.1	05/03/90		2.9	MG/L	
		NITRATE/NITRITE	3.43	03/05/90		3.5	MG/L	
		NITRATE/NITRITE	3.43	05/03/90		3.5	MG/L	
		PH	8.22	03/05/90		8.0	PHUNIT	
		PH	8.22	05/03/90		8.0	PHUNIT	
		SULFATE	67.08	03/05/90		84	MG/L	
		SULFATE	67.08	05/03/90		84	MG/L	
		TOTAL DISSOLVED SOLIDS	388.76	03/05/90		560	MG/L	
		TOTAL DISSOLVED SOLIDS	388.76	05/03/90		560	MG/L	
P209089	Dissolved Metals	ALUMINUM	0.327	03/12/90	200	35.0	UG/L	U
		ANTIMONY	0.5	03/12/90	60	26.0	UG/L	U
		ARSENIC	0.01	03/12/90	10	2.0	UG/L	U
		BARIUM	0.2	03/12/90	200	66.3	UG/L	
		BERYLLIUM	0.005	03/12/90	5	1.0	UG/L	U
		CADMIUM	0.011	03/12/90	5	2.0	UG/L	U
		CALCIUM	62.59	03/12/90	5000	50100	UG/L	
		CESIUM	2.5	03/12/90	1000	100	UG/L	
		CHROMIUM	0.02	03/12/90	10	5.0	UG/L	U
		COBALT	0.05	03/12/90	50	4.0	UG/L	U
		COPPER	0.048	03/12/90	25	5.6	UG/L	
		IRON	0.944	03/12/90	100	47.2	UG/L	U
		LEAD	0.040	03/12/90	5	2.0	UG/L	U
		LITHIUM	1.79	03/12/90	100	54.0	UG/L	
		MAGNESIUM	16.09	03/12/90	5000	25600	UG/L	
		MANGANESE	0.213	03/12/90	15	1.0	UG/L	U
		MERCURY	0.0008	03/12/90		0.2	UG/L	U
		MOLYBDENUM	0.5	03/12/90	200	35.0	UG/L	U
		NICKEL	0.043	03/12/90	40	6.0	UG/L	U
		POTASSIUM	11.3	03/12/90	5000	3300	UG/L	
		SELENIUM	0.221	03/12/90	5	10.0	UG/L	J
		SILVER	0.004	03/12/90	10	6.0	UG/L	U
		SODIUM	46.74	03/12/90	5000	90300	UG/L	

1990 Groundwater Quality Data
Solar Evaporation Ponds - Weathered Bedrock

Well Id	Analyte Group	Analyte	Background Exceedance Value	Sample Date	Detection Limit	Concentration	Unit	Lab Qualifier
P209089	Dissolved Metals	STRONTIUM	7.12	03/12/90	200	637	UG/L	J
		THALLIUM	1	03/12/90	10	3.0	UG/L	U
		TIN	1	03/12/90	200	25.0	UG/L	U
		VANADIUM	0.05	03/12/90	50	6.0	UG/L	U
		ZINC	0.141	03/12/90	20	4.2	UG/L	
P209089	Volatile Organics	1,1,1-TRICHLOROETHANE	5	03/05/90	5	5	UG/L	U
		1,1,1-TRICHLOROETHANE	5	03/05/90	5	5	UG/L	U
		1,1,1-TRICHLOROETHANE	5	05/08/90	5	5	UG/L	U
		1,1,1-TRICHLOROETHANE	5	07/31/90	5	5	UG/L	U
		1,1,1-TRICHLOROETHANE	5	10/16/90	5	5	UG/L	U
		1,1,2,2-TETRACHLOROETHANE	5	03/05/90	5	5	UG/L	U
		1,1,2,2-TETRACHLOROETHANE	5	03/05/90	5	5	UG/L	U
		1,1,2,2-TETRACHLOROETHANE	5	05/08/90	5	5	UG/L	U
		1,1,2,2-TETRACHLOROETHANE	5	07/31/90	5	5	UG/L	U
		1,1,2,2-TETRACHLOROETHANE	5	10/16/90	5	5	UG/L	U
		1,1,2-TRICHLOROETHANE	5	03/05/90	5	5	UG/L	U
		1,1,2-TRICHLOROETHANE	5	03/05/90	5	5	UG/L	U
		1,1,2-TRICHLOROETHANE	5	05/08/90	5	5	UG/L	U
		1,1,2-TRICHLOROETHANE	5	07/31/90	5	5	UG/L	U
		1,1,2-TRICHLOROETHANE	5	10/16/90	5	5	UG/L	U
		1,1-DICHLOROETHANE	5	03/05/90	5	5	UG/L	U
		1,1-DICHLOROETHANE	5	03/05/90	5	5	UG/L	U
		1,1-DICHLOROETHANE	5	05/08/90	5	5	UG/L	U
		1,1-DICHLOROETHANE	5	07/31/90	5	5	UG/L	U
		1,1-DICHLOROETHANE	5	10/16/90	5	5	UG/L	U
		1,1-DICHLOROETHENE	5	03/05/90	5	5	UG/L	U
		1,1-DICHLOROETHENE	5	03/05/90	5	5	UG/L	U
		1,1-DICHLOROETHENE	5	05/08/90	5	5	UG/L	U
		1,1-DICHLOROETHENE	5	07/31/90	5	5	UG/L	U
		1,1-DICHLOROETHENE	5	10/16/90	5	5	UG/L	U
		1,2-DICHLOROETHANE	5	03/05/90	5	5	UG/L	U
		1,2-DICHLOROETHANE	5	03/05/90	5	5	UG/L	U
		1,2-DICHLOROETHANE	5	05/08/90	5	5	UG/L	U
		1,2-DICHLOROETHANE	5	07/31/90	5	5	UG/L	U
		1,2-DICHLOROETHANE	5	10/16/90	5	5	UG/L	U
		1,2-DICHLOROETHENE (Total)	5	03/05/90	5	5	UG/L	U
		1,2-DICHLOROETHENE (Total)	5	03/05/90	5	5	UG/L	U
		1,2-DICHLOROETHENE (Total)	5	05/08/90	5	5	UG/L	U
		1,2-DICHLOROETHENE (Total)	5	10/16/90	5	5	UG/L	U
		1,2-DICHLOROETHYLENE	5	07/31/90	5	5	UG/L	U
		1,2-DICHLOROPROPANE	5	03/05/90	5	5	UG/L	U
		1,2-DICHLOROPROPANE	5	03/05/90	5	5	UG/L	U
		1,2-DICHLOROPROPANE	5	05/08/90	5	5	UG/L	U
		1,2-DICHLOROPROPANE	5	07/31/90	5	5	UG/L	U
		1,2-DICHLOROPROPANE	5	10/16/90	5	5	UG/L	U
		2-BUTANONE	10	03/05/90	10	10	UG/L	U

1990 Groundwater Quality Data
Solar Evaporation Ponds - Weathered Bedrock

Well Id	Analyte Group	Analyte	Background Exceedance Value	Sample Date	Detection Limit	Concentration	Unit	Lab Qualifier
P209089	Volatile Organics	2-BUTANONE	10	03/05/90	10	5	UG/L	U
		2-BUTANONE	10	05/08/90	10	10	UG/L	U
		2-BUTANONE	10	07/31/90	10	10	UG/L	U
		2-BUTANONE	10	10/16/90	10	10	UG/L	U
		2-HEXANONE	10	03/05/90	10	10	UG/L	U
		2-HEXANONE	10	03/05/90	10	10	UG/L	U
		2-HEXANONE	10	05/08/90	10	10	UG/L	U
		2-HEXANONE	10	07/31/90	10	10	UG/L	U
		2-HEXANONE	10	10/16/90	10	10	UG/L	U
		4-METHYL-2-PENTANONE	10	03/05/90	10	10	UG/L	U
		4-METHYL-2-PENTANONE	10	03/05/90	10	10	UG/L	U
		4-METHYL-2-PENTANONE	10	05/08/90	10	10	UG/L	U
		4-METHYL-2-PENTANONE	10	07/31/90	10	10	UG/L	U
		4-METHYL-2-PENTANONE	10	10/16/90	10	10	UG/L	U
		ACETONE	10	03/05/90	10	10	UG/L	U
		ACETONE	10	03/05/90	10	10	UG/L	U
		ACETONE	10	05/08/90	10	10	UG/L	U
		ACETONE	10	07/31/90	10	8	UG/L	B
		ACETONE	10	10/16/90	10	10	UG/L	U
		BENZENE	5	03/05/90	5	5	UG/L	U
		BENZENE	5	03/05/90	5	5	UG/L	U
		BENZENE	5	05/08/90	5	5	UG/L	U
		BENZENE	5	07/31/90	5	5	UG/L	U
		BENZENE	5	10/16/90	5	5	UG/L	U
		BROMODICHLOROMETHANE	5	03/05/90	5	5	UG/L	U
		BROMODICHLOROMETHANE	5	03/05/90	5	5	UG/L	U
		BROMODICHLOROMETHANE	5	05/08/90	5	5	UG/L	U
		BROMODICHLOROMETHANE	5	07/31/90	5	5	UG/L	U
		BROMODICHLOROMETHANE	5	10/16/90	5	5	UG/L	U
		BROMOFORM	5	03/05/90	5	5	UG/L	U
		BROMOFORM	5	03/05/90	5	5	UG/L	U
		BROMOFORM	5	05/08/90	5	5	UG/L	U
		BROMOFORM	5	07/31/90	5	5	UG/L	U
		BROMOFORM	5	10/16/90	5	5	UG/L	U
		BROMOMETHANE	10	03/05/90	10	10	UG/L	U
		BROMOMETHANE	10	03/05/90	10	10	UG/L	U
		BROMOMETHANE	10	05/08/90	10	10	UG/L	U
		BROMOMETHANE	10	07/31/90	10	10	UG/L	U
		BROMOMETHANE	10	10/16/90	10	10	UG/L	U
		CARBON DISULFIDE	5	03/05/90	5	5	UG/L	U
		CARBON DISULFIDE	5	03/05/90	5	5	UG/L	U
		CARBON DISULFIDE	5	05/08/90	5	5	UG/L	U
		CARBON DISULFIDE	5	07/31/90	5	5	UG/L	U
		CARBON DISULFIDE	5	10/16/90	5	5	UG/L	U
		CARBON TETRACHLORIDE	5	03/05/90	5	5	UG/L	U
		CARBON TETRACHLORIDE	5	03/05/90	5	5	UG/L	U

1990 Groundwater Quality Data
Solar Evaporation Ponds - Weathered Bedrock

Well Id	Analyte Group	Analyte	Background Exceedance Value	Sample Date	Detection Limit	Concentration	Unit	Lab Qualifier
P209089	Volatile Organics	CARBON TETRACHLORIDE	5	05/08/90	5	5	UG/L	U
		CARBON TETRACHLORIDE	5	07/31/90	5	5	UG/L	U
		CARBON TETRACHLORIDE	5	10/16/90	5	5	UG/L	U
		CHLOROBENZENE	5	03/05/90	5	5	UG/L	U
		CHLOROBENZENE	5	03/05/90	5	5	UG/L	U
		CHLOROBENZENE	5	05/08/90	5	5	UG/L	U
		CHLOROBENZENE	5	07/31/90	5	5	UG/L	U
		CHLOROBENZENE	5	10/16/90	5	5	UG/L	U
		CHLOROETHANE	10	03/05/90	10	10	UG/L	U
		CHLOROETHANE	10	03/05/90	10	10	UG/L	U
		CHLOROETHANE	10	05/08/90	10	10	UG/L	U
		CHLOROETHANE	10	07/31/90	10	10	UG/L	U
		CHLOROETHANE	10	10/16/90	10	10	UG/L	U
		CHLOROFORM	5	03/05/90	5	5	UG/L	U
		CHLOROFORM	5	03/05/90	5	5	UG/L	U
		CHLOROFORM	5	05/08/90	5	5	UG/L	U
		CHLOROFORM	5	07/31/90	5	5	UG/L	U
		CHLOROFORM	5	10/16/90	5	5	UG/L	U
		CHLOROMETHANE	10	03/05/90	10	10	UG/L	U
		CHLOROMETHANE	10	03/05/90	10	10	UG/L	U
		CHLOROMETHANE	10	05/08/90	10	10	UG/L	U
		CHLOROMETHANE	10	07/31/90	10	10	UG/L	U
		CHLOROMETHANE	10	10/16/90	10	10	UG/L	U
		DIBROMOCHLOROMETHANE	5	03/05/90	5	5	UG/L	U
		DIBROMOCHLOROMETHANE	5	03/05/90	5	5	UG/L	U
		DIBROMOCHLOROMETHANE	5	05/08/90	5	5	UG/L	U
		DIBROMOCHLOROMETHANE	5	07/31/90	5	5	UG/L	U
		DIBROMOCHLOROMETHANE	5	10/16/90	5	5	UG/L	U
		ETHYLBENZENE	5	03/05/90	5	5	UG/L	U
		ETHYLBENZENE	5	03/05/90	5	5	UG/L	U
		ETHYLBENZENE	5	05/08/90	5	3	UG/L	J
		ETHYLBENZENE	5	07/31/90	5	5	UG/L	U
		ETHYLBENZENE	5	10/16/90	5	5	UG/L	U
		METHYLENE CHLORIDE	5	03/05/90	5	5	UG/L	U
		METHYLENE CHLORIDE	5	03/05/90	5	5	UG/L	U
		METHYLENE CHLORIDE	5	05/08/90	5	5	UG/L	U
		METHYLENE CHLORIDE	5	07/31/90	5	4	UG/L	B
		METHYLENE CHLORIDE	5	10/16/90	5	1	UG/L	B
		STYRENE	5	03/05/90	5	5	UG/L	U
		STYRENE	5	03/05/90	5	5	UG/L	U
		STYRENE	5	05/08/90	5	5	UG/L	U
		STYRENE	5	07/31/90	5	5	UG/L	U
		STYRENE	5	10/16/90	5	5	UG/L	U
		TETRACHLOROETHENE	5	03/05/90	5	5	UG/L	U
		TETRACHLOROETHENE	5	03/05/90	5	5	UG/L	U
		TETRACHLOROETHENE	5	05/08/90	5	5	UG/L	U

1990 Groundwater Quality Data
Solar Evaporation Ponds - Weathered Bedrock

Well Id	Analyte Group	Analyte	Background Exceedance Value	Sample Date	Detection Limit	Concentration	Unit	Lab Qualifier
P209089	Volatile Organics	TETRACHLOROETHENE	5	07/31/90	5	5	UG/L	U
		TETRACHLOROETHENE	5	10/16/90	5	5	UG/L	U
		TOLUENE	5	03/05/90	5	5	UG/L	U
		TOLUENE	5	03/05/90	5	5	UG/L	U
		TOLUENE	5	05/08/90	5	1	UG/L	J
		TOLUENE	5	07/31/90	5	5	UG/L	U
		TOLUENE	5	10/16/90	5	5	UG/L	U
		TOTAL XYLENES	5	07/31/90	5	5	UG/L	U
		TRICHLOROETHENE	5	03/05/90	5	5	UG/L	U
		TRICHLOROETHENE	5	03/05/90	5	5	UG/L	U
		TRICHLOROETHENE	5	05/08/90	5	5	UG/L	U
		TRICHLOROETHENE	5	07/31/90	5	5	UG/L	U
		TRICHLOROETHENE	5	10/16/90	5	5	UG/L	U
		VINYL ACETATE	10	03/05/90	10	10	UG/L	U
		VINYL ACETATE	10	03/05/90	10	10	UG/L	U
		VINYL ACETATE	10	05/08/90	10	10	UG/L	U
		VINYL ACETATE	10	07/31/90	10	10	UG/L	U
		VINYL ACETATE	10	10/16/90	10	10	UG/L	U
		VINYL CHLORIDE	10	03/05/90	10	10	UG/L	U
		VINYL CHLORIDE	10	03/05/90	10	10	UG/L	U
		VINYL CHLORIDE	10	05/08/90	10	10	UG/L	U
		VINYL CHLORIDE	10	07/31/90	10	10	UG/L	U
		VINYL CHLORIDE	10	10/16/90	10	10	UG/L	U
		XYLENES (TOTAL)	5	03/05/90	5	5	UG/L	U
		XYLENES (TOTAL)	5	03/05/90	5	5	UG/L	U
		XYLENES (TOTAL)	5	05/08/90	5	12	UG/L	J
		XYLENES (TOTAL)	5	10/16/90	5	5	UG/L	U
		cis-1,3-DICHLOROPROPENE	5	03/05/90	5	5	UG/L	U
		cis-1,3-DICHLOROPROPENE	5	03/05/90	5	5	UG/L	U
		cis-1,3-DICHLOROPROPENE	5	05/08/90	5	5	UG/L	U
		cis-1,3-DICHLOROPROPENE	5	07/31/90	5	5	UG/L	U
		cis-1,3-DICHLOROPROPENE	5	10/16/90	5	5	UG/L	U
		trans-1,3-DICHLOROPROPENE	5	03/05/90	5	5	UG/L	U
		trans-1,3-DICHLOROPROPENE	5	03/05/90	5	5	UG/L	U
		trans-1,3-DICHLOROPROPENE	5	05/08/90	5	5	UG/L	U
		trans-1,3-DICHLOROPROPENE	5	07/31/90	5	5	UG/L	U
		trans-1,3-DICHLOROPROPENE	5	10/16/90	5	5	UG/L	U
P209189	Inorganics	CARBONATE	5	02/03/90		5	MG/L	U
		CARBONATE	5	03/02/90		5	MG/L	U
		CARBONATE, HYDROGEN	249.35	02/03/90		370	MG/L	
		CARBONATE, HYDROGEN	249.35	03/02/90		370	MG/L	
		CARBONATE, HYDROGEN	249.35	08/31/90	1.0	250	MG/L	
		CARBONATE, HYDROGEN	249.35	11/08/90	1.0	240	MG/L	
		CHLORIDE (North)	10.67	02/03/90		42	MG/L	
		CHLORIDE (North)	10.67	03/02/90		42	MG/L	
		CHLORIDE (North)	10.67	08/31/90		36	MG/L	

1990 Groundwater Quality Data
Solar Evaporation Ponds - Weathered Bedrock

Well Id	Analyte Group	Analyte	Background Exceedance Value	Sample Date	Detection Limit	Concentration	Unit	Lab Qualifier
P209189	Inorganics	CHLORIDE (North)	10.67	11/08/90		34	MG/L	
		FLUORIDE	0.1	02/03/90		1.4	MG/L	
		FLUORIDE	0.1	03/02/90		1.4	MG/L	
		FLUORIDE	0.1	08/31/90		1.3	MG/L	
		FLUORIDE	0.1	11/08/90		1.3	MG/L	
		NITRATE/NITRITE	3.43	02/03/90		38	MG/L	
		NITRATE/NITRITE	3.43	03/02/90		38	MG/L	
		NITRATE/NITRITE	3.43	08/31/90		5.3	MG/L	
		NITRATE/NITRITE	3.43	11/08/90		7.1	MG/L	
		NITRITE		08/31/90		0.02	MG/L	U
		PARATHION, ETHYL		11/08/90		0.01	MG/L	U
		PH	8.22	02/03/90		7.3	PHUNIT	
		PH	8.22	03/02/90		7.3	PHUNIT	
		PHOSPHATE		08/31/90		0.04	MG/L	
		SILICA, DISSOLVED		08/31/90		7.1	MG/L	
		SILICA, DISSOLVED		11/08/90		7.7	MG/L	
		SULFATE	67.08	02/03/90		67	MG/L	
		SULFATE	67.08	03/02/90		67	MG/L	
		SULFATE	67.08	08/31/90	2.0	69	MG/L	
		SULFATE	67.08	11/08/90	2.0	71	MG/L	
		TOTAL DISSOLVED SOLIDS	388.76	02/03/90		670	MG/L	
		TOTAL DISSOLVED SOLIDS	388.76	03/02/90		670	MG/L	
		TOTAL DISSOLVED SOLIDS	388.76	08/31/90	10.0	460	MG/L	
		TOTAL DISSOLVED SOLIDS	388.76	11/08/90	10.0	480	MG/L	
		TOTAL SUSPENDED SOLIDS	4.0	08/31/90	4.0	49	MG/L	
		TOTAL SUSPENDED SOLIDS	4.0	11/08/90	4.0	110	MG/L	
P209189	Total Metals	CYANIDE	0.01	08/31/90	10	1.50	UG/L	U
		CYANIDE	0.01	08/31/90	10	3.3333	UG/L	U
		CYANIDE	0.01	08/31/90	10	89.0	%	
		CYANIDE	0.01	11/08/90	10	2.00	UG/L	U
P209189	Dissolved Metals	ALUMINUM	0.327	08/31/90	200	64.10	UG/L	B
		ALUMINUM	0.327	11/08/90	200	40.60	UG/L	B
		ANTIMONY	0.5	08/31/90	60	15.50	UG/L	B
		ANTIMONY	0.5	11/08/90	60	16.30	UG/L	B
		ARSENIC	0.01	08/31/90	10	3.00	UG/L	B
		ARSENIC	0.01	11/08/90	10	2.00	UG/L	B
		BARIUM	0.2	08/31/90	200	132.00	UG/L	B
		BARIUM	0.2	11/08/90	200	131.00	UG/L	B
		BERYLLIUM	0.005	08/31/90	5	1.00	UG/L	U
		BERYLLIUM	0.005	11/08/90	5	1.00	UG/L	U
		CADMIUM	0.011	08/31/90	5	2.00	UG/L	U
		CADMIUM	0.011	11/08/90	5	2.00	UG/L	U
		CALCIUM	62.59	08/31/90	5000	76000.00	UG/L	
		CALCIUM	62.59	11/08/90	5000	75900.00	UG/L	
		CESIUM	2.5	08/31/90	1000	147.00	UG/L	U
		CESIUM	2.5	11/08/90	1000	200.00	UG/L	B

1990 Groundwater Quality Data
Solar Evaporation Ponds - Weathered Bedrock

Well Id	Analyte Group	Analyte	Background Exceedance Value	Sample Date	Detection Limit	Concentration	Unit	Lab Qualifier
P209189	Dissolved Metals	CHROMIUM	0.02	08/31/90	10	10.30	UG/L	
		CHROMIUM	0.02	11/08/90	10	9.40	UG/L	B
		COBALT	0.05	08/31/90	50	4.00	UG/L	U
		COBALT	0.05	11/08/90	50	3.00	UG/L	U
		COPPER	0.048	08/31/90	25	7.00	UG/L	B
		COPPER	0.048	11/08/90	25	2.60	UG/L	B
		IRON	0.944	08/31/90	100	196.00	UG/L	
		IRON	0.944	11/08/90	100	47.80	UG/L	B
		LEAD	0.040	08/31/90	3	1.00	UG/L	U
		LEAD	0.040	11/08/90	3	1.00	UG/L	U
		LITHIUM	1.79	08/31/90	100	109.00	UG/L	
		LITHIUM	1.79	11/08/90	100	110.00	UG/L	
		MAGNESIUM	16.09	08/31/90	5000	10900.00	UG/L	
		MAGNESIUM	16.09	11/08/90	5000	11500.00	UG/L	
		MANGANESE	0.213	08/31/90	15	276.00	UG/L	
		MANGANESE	0.213	11/08/90	15	68.50	UG/L	
		MERCURY	0.0008	08/31/90	0	0.20	UG/L	U
		MERCURY	0.0008	11/08/90	0	0.20	UG/L	U
		MOLYBDENUM	0.5	08/31/90	200	4.90	UG/L	B
		MOLYBDENUM	0.5	11/08/90	200	5.30	UG/L	B
		NICKEL	0.043	08/31/90	40	19.00	UG/L	B
		NICKEL	0.043	11/08/90	40	18.50	UG/L	B
		POTASSIUM	11.3	08/31/90	5000	16800.00	UG/L	
		POTASSIUM	11.3	11/08/90	5000	12600.00	UG/L	
		SELENIUM	0.221	08/31/90	5	1.00	UG/L	U
		SELENIUM	0.221	11/08/90	5	1.00	UG/L	U
		SILVER	0.004	08/31/90	10	4.20	UG/L	B
		SILVER	0.004	11/08/90	10	3.00	UG/L	U
		SODIUM	46.74	08/31/90	5000	54100.00	UG/L	
		SODIUM	46.74	11/08/90	5000	45600.00	UG/L	
		STRONTIUM	7.12	08/31/90	200	293.00	UG/L	
		STRONTIUM	7.12	11/08/90	200	325.00	UG/L	
		THALLIUM	1	08/31/90	10	3.00	UG/L	U
		THALLIUM	1	11/08/90	10	2.00	UG/L	U
		TIN	1	08/31/90	200	26.30	UG/L	B
		TIN	1	11/08/90	200	20.00	UG/L	B
		VANADIUM	0.05	08/31/90	50	6.90	UG/L	B
		VANADIUM	0.05	11/08/90	50	4.90	UG/L	B
		ZINC	0.141	08/31/90	20	15.70	UG/L	B
		ZINC	0.141	11/08/90	20	11.40	UG/L	B
P209189	Diss. Radionuclides	AMERICIUM-241	0.0167	03/02/90		8.076	PCI/L	
		CESIUM-137	0.506	03/02/90		1.036	PCI/L	
		GROSS ALPHA - PARTICULATE	55.07	03/02/90	2.58	3.502	PCI/L	
		PLUTONIUM-239,240	0.015	03/02/90		5.905	PCI/L	
		STRONTIUM-90		03/02/90		5.835	PCI/L	
		URANIUM-233,234	0.1+/-.1	03/02/90		6.289	PCI/L	

1990 Groundwater Quality Data
Solar Evaporation Ponds - Weathered Bedrock

Well Id	Analyte Group	Analyte	Background Exceedance Value	Sample Date	Detection Limit	Concentration	Unit	Lab Qualifier
P209189	Diss. Radionuclides	URANIUM-235,236		03/02/90		2.957	PCI/L	
		URANIUM-238	25.57	03/02/90		5.068	PCI/L	
P209189	Volatile Organics	1,1,1-TRICHLOROETHANE		03/02/90		5	UG/L	U
		1,1,1-TRICHLOROETHANE	5	06/01/90	5	5	UG/L	U
		1,1,1-TRICHLOROETHANE	5	08/31/90	5	5	UG/L	U
		1,1,1-TRICHLOROETHANE	5	11/08/90	5	5	UG/L	U
		1,1,2,2-TETRACHLOROETHANE		03/02/90		5	UG/L	U
		1,1,2,2-TETRACHLOROETHANE	5	06/01/90	5	5	UG/L	U
		1,1,2,2-TETRACHLOROETHANE	5	08/31/90	5	5	UG/L	U
		1,1,2,2-TETRACHLOROETHANE	5	11/08/90	5	5	UG/L	U
		1,1,2-TRICHLOROETHANE		03/02/90		5	UG/L	U
		1,1,2-TRICHLOROETHANE	5	06/01/90	5	5	UG/L	U
		1,1,2-TRICHLOROETHANE	5	08/31/90	5	5	UG/L	U
		1,1,2-TRICHLOROETHANE	5	11/08/90	5	5	UG/L	U
		1,1-DICHLOROETHANE		03/02/90		5	UG/L	
		1,1-DICHLOROETHANE	5	06/01/90	5	5	UG/L	U
		1,1-DICHLOROETHANE	5	08/31/90	5	2	UG/L	J
		1,1-DICHLOROETHANE	5	08/31/90	5	5	UG/L	U
		1,1-DICHLOROETHANE	5	11/08/90	5	2	UG/L	J
		1,1-DICHLOROETHENE		03/02/90		5	UG/L	U
		1,1-DICHLOROETHENE	5	06/01/90	5	5	UG/L	U
		1,1-DICHLOROETHENE	5	08/31/90	5	3	UG/L	J
		1,1-DICHLOROETHENE	5	08/31/90	5	5	UG/L	U
		1,1-DICHLOROETHENE	5	11/08/90	5	2	UG/L	J
		1,2-DICHLOROETHANE		03/02/90		5	UG/L	U
		1,2-DICHLOROETHANE	5	06/01/90	5	5	UG/L	U
		1,2-DICHLOROETHANE	5	08/31/90	5	5	UG/L	U
		1,2-DICHLOROETHANE	5	11/08/90	5	5	UG/L	U
		1,2-DICHLOROETHENE (Total)		03/02/90		7	UG/L	
		1,2-DICHLOROETHENE (Total)	5	06/01/90	5	1	UG/L	J
		1,2-DICHLOROETHENE (Total)	5	08/31/90	5	3	UG/L	J
		1,2-DICHLOROETHENE (Total)	5	08/31/90	5	5	UG/L	U
		1,2-DICHLOROETHYLENE	5	08/31/90	5	3	UG/L	J
		1,2-DICHLOROETHYLENE	5	08/31/90	5	5	UG/L	U
		1,2-DICHLOROETHYLENE	5	11/08/90	5	5	UG/L	
		1,2-DICHLOROPROPANE		03/02/90		5	UG/L	U
		1,2-DICHLOROPROPANE	5	06/01/90	5	5	UG/L	U
		1,2-DICHLOROPROPANE	5	08/31/90	5	5	UG/L	U
		1,2-DICHLOROPROPANE	5	11/08/90	5	5	UG/L	U
		2-BUTANONE		03/02/90		10	UG/L	U
		2-BUTANONE	10	06/01/90	10	10	UG/L	U
		2-BUTANONE	10	08/31/90	10	1	UG/L	J
		2-BUTANONE	10	08/31/90	10	10	UG/L	U
		2-BUTANONE	10	11/08/90	10	10	UG/L	U
		2-HEXANONE		03/02/90		10	UG/L	U
		2-HEXANONE	10	06/01/90	10	10	UG/L	U

1990 Groundwater Quality Data
Solar Evaporation Ponds - Weathered Bedrock

Well Id	Analyte Group	Analyte	Background Exceedance Value	Sample Date	Detection Limit	Concentration	Unit	Lab Qualifier
P209189	Volatile Organics	2-HEXANONE	10	08/31/90	10	10	UG/L	U
		2-HEXANONE	10	11/08/90	10	10	UG/L	U
		4-METHYL-2-PENTANONE		03/02/90		10	UG/L	U
		4-METHYL-2-PENTANONE	10	06/01/90	10	10	UG/L	U
		4-METHYL-2-PENTANONE	10	08/31/90	10	10	UG/L	U
		4-METHYL-2-PENTANONE	10	11/08/90	10	10	UG/L	U
		ACETONE		03/02/90		10	UG/L	U
		ACETONE	10	06/01/90	10	10	UG/L	U
		ACETONE	10	08/31/90	10	10	UG/L	
		ACETONE	10	08/31/90	10	10	UG/L	U
		ACETONE	10	08/31/90	10	8	UG/L	B
		ACETONE	10	11/08/90	10	8	UG/L	B
		BENZENE		03/02/90		5	UG/L	U
		BENZENE	5	06/01/90	5	5	UG/L	U
		BENZENE	5	08/31/90	5	5	UG/L	U
		BENZENE	5	11/08/90	5	5	UG/L	U
		BROMODICHLOROMETHANE		03/02/90		5	UG/L	U
		BROMODICHLOROMETHANE	5	06/01/90	5	5	UG/L	U
		BROMODICHLOROMETHANE	5	08/31/90	5	5	UG/L	U
		BROMODICHLOROMETHANE	5	11/08/90	5	5	UG/L	U
		BROMOFORM		03/02/90		5	UG/L	U
		BROMOFORM	5	06/01/90	5	5	UG/L	U
		BROMOFORM	5	08/31/90	5	5	UG/L	U
		BROMOFORM	5	11/08/90	5	5	UG/L	U
		BROMOMETHANE		03/02/90		10	UG/L	U
		BROMOMETHANE	10	06/01/90	10	10	UG/L	U
		BROMOMETHANE	10	08/31/90	10	10	UG/L	U
		BROMOMETHANE	10	11/08/90	10	10	UG/L	U
		CARBON DISULFIDE		03/02/90		5	UG/L	U
		CARBON DISULFIDE	5	06/01/90	5	5	UG/L	U
		CARBON DISULFIDE	5	08/31/90	5	5	UG/L	U
		CARBON DISULFIDE	5	11/08/90	5	5	UG/L	U
		CARBON TETRACHLORIDE		03/02/90		5	UG/L	U
		CARBON TETRACHLORIDE	5	06/01/90	5	5	UG/L	U
		CARBON TETRACHLORIDE	5	08/31/90	5	2	UG/L	J
		CARBON TETRACHLORIDE	5	08/31/90	5	5	UG/L	U
		CARBON TETRACHLORIDE	5	11/08/90	5	1	UG/L	J
		CHLOROBENZENE		03/02/90		5	UG/L	U
		CHLOROBENZENE	5	06/01/90	5	5	UG/L	U
		CHLOROBENZENE	5	08/31/90	5	5	UG/L	U
		CHLOROBENZENE	5	11/08/90	5	5	UG/L	U
		CHLOROETHANE		03/02/90		10	UG/L	U
		CHLOROETHANE	10	06/01/90	10	10	UG/L	U
		CHLOROETHANE	10	08/31/90	10	10	UG/L	U
		CHLOROETHANE	10	11/08/90	10	10	UG/L	U
		CHLOROFORM		03/02/90		7	UG/L	

1990 Groundwater Quality Data
Solar Evaporation Ponds - Weathered Bedrock

Well Id	Analyte Group	Analyte	Background Exceedance Value	Sample Date	Detection Limit	Concentration	Unit	Lab Qualifier
P209189	Volatile Organics	CHLOROFORM	5	06/01/90	5	5	UG/L	U
		CHLOROFORM	5	08/31/90	5	2	UG/L	J
		CHLOROFORM	5	08/31/90	5	3	UG/L	J
		CHLOROFORM	5	11/08/90	5	5	UG/L	U
		CHLOROMETHANE		03/02/90		10	UG/L	U
		CHLOROMETHANE	10	06/01/90	10	10	UG/L	U
		CHLOROMETHANE	10	08/31/90	10	10	UG/L	U
		CHLOROMETHANE	10	11/08/90	10	10	UG/L	U
		DIBROMOCHLOROMETHANE		03/02/90		5	UG/L	U
		DIBROMOCHLOROMETHANE	5	06/01/90	5	5	UG/L	U
		DIBROMOCHLOROMETHANE	5	08/31/90	5	5	UG/L	U
		DIBROMOCHLOROMETHANE	5	11/08/90	5	5	UG/L	U
		ETHYLBENZENE		03/02/90		5	UG/L	U
		ETHYLBENZENE	5	06/01/90	5	5	UG/L	U
		ETHYLBENZENE	5	08/31/90	5	5	UG/L	U
		ETHYLBENZENE	5	11/08/90	5	5	UG/L	U
		METHYLENE CHLORIDE		03/02/90		5	UG/L	U
		METHYLENE CHLORIDE	5	06/01/90	5	5	UG/L	U
		METHYLENE CHLORIDE	5	08/31/90	5	1	UG/L	B
		METHYLENE CHLORIDE	5	08/31/90	5	2	UG/L	B
		METHYLENE CHLORIDE	5	08/31/90	5	5	UG/L	U
		METHYLENE CHLORIDE	5	11/08/90	5	5	UG/L	U
		STYRENE		03/02/90		5	UG/L	U
		STYRENE	5	06/01/90	5	5	UG/L	U
		STYRENE	5	08/31/90	5	5	UG/L	U
		STYRENE	5	11/08/90	5	5	UG/L	U
		TETRACHLOROETHENE		03/02/90		14	UG/L	
		TETRACHLOROETHENE	5	06/01/90	5	2	UG/L	J
		TETRACHLOROETHENE	5	08/31/90	5	4	UG/L	J
		TETRACHLOROETHENE	5	08/31/90	5	6	UG/L	
		TETRACHLOROETHENE	5	11/08/90	5	4	UG/L	J
		TOLUENE		03/02/90		5	UG/L	U
		TOLUENE	5	06/01/90	5	5	UG/L	U
		TOLUENE	5	08/31/90	5	5	UG/L	U
		TOLUENE	5	11/08/90	5	5	UG/L	U
		TOTAL XYLENES		03/02/90		5	UG/L	U
		TOTAL XYLENES	5	08/31/90	5	5	UG/L	U
		TOTAL XYLENES	5	11/08/90	5	5	UG/L	U
		TRICHLOROETHENE		03/02/90		28	UG/L	
		TRICHLOROETHENE	5	06/01/90	5	3	UG/L	J
		TRICHLOROETHENE	5	08/31/90	5	10	UG/L	
		TRICHLOROETHENE	5	08/31/90	5	5	UG/L	U
		TRICHLOROETHENE	5	11/08/90	5	8	UG/L	
		VINYL ACETATE		03/02/90		10	UG/L	U
		VINYL ACETATE	10	06/01/90	10	10	UG/L	U
		VINYL ACETATE	10	08/31/90	10	10	UG/L	U

1990 Groundwater Quality Data
Solar Evaporation Ponds - Weathered Bedrock

Well Id	Analyte Group	Analyte	Background Exceedance Value	Sample Date	Detection Limit	Concentration	Unit	Lab Qualifier
P209189	Volatile Organics	VINYL ACETATE	10	11/08/90	10	10	UG/L	U
		VINYL CHLORIDE		03/02/90		10	UG/L	U
		VINYL CHLORIDE	10	06/01/90	10	10	UG/L	U
		VINYL CHLORIDE	10	08/31/90	10	10	UG/L	U
		VINYL CHLORIDE	10	11/08/90	10	10	UG/L	U
		XYLENES (TOTAL)	5	06/01/90	5	5	UG/L	U
		cis-1,3-DICHLOROPROPENE		03/02/90		5	UG/L	U
		cis-1,3-DICHLOROPROPENE	5	06/01/90	5	5	UG/L	U
		cis-1,3-DICHLOROPROPENE	5	08/31/90	5	5	UG/L	U
		cis-1,3-DICHLOROPROPENE	5	11/08/90	5	5	UG/L	U
		trans-1,3-DICHLOROPROPENE		03/02/90		5	UG/L	U
		trans-1,3-DICHLOROPROPENE	5	06/01/90	5	5	UG/L	U
		trans-1,3-DICHLOROPROPENE	5	08/31/90	5	5	UG/L	U
		trans-1,3-DICHLOROPROPENE	5	11/08/90	5	5	UG/L	U
P209389	Inorganics	CARBONATE	5	03/16/90		5	MG/L	U
		CARBONATE	5	03/16/90		5	MG/L	U
		CARBONATE	5	16/03/90		5	MG/L	U
		CARBONATE, HYDROGEN	249.35	03/16/90		150	MG/L	
		CARBONATE, HYDROGEN	249.35	03/16/90		150	MG/L	
		CARBONATE, HYDROGEN	249.35	08/23/90	1.0	130	MG/L	
		CARBONATE, HYDROGEN	249.35	16/03/90		150	MG/L	
		CHLORIDE (North)	10.67	03/16/90		36	MG/L	
		CHLORIDE (North)	10.67	03/16/90		36	MG/L	
		CHLORIDE (North)	10.67	08/23/90		38	MG/L	
		CHLORIDE (North)	10.67	16/03/90		36	MG/L	
		FLUORIDE	0.1	03/16/90		0.5	MG/L	U
		FLUORIDE	0.1	03/16/90		0.5	MG/L	U
		FLUORIDE	0.1	08/23/90		0.3	MG/L	
		FLUORIDE	0.1	16/03/90		0.5	MG/L	U
		NITRATE/NITRITE	3.43	03/16/90		12	MG/L	
		NITRATE/NITRITE	3.43	03/16/90		12	MG/L	
		NITRATE/NITRITE	3.43	08/23/90		10	MG/L	
		NITRATE/NITRITE	3.43	16/03/90		12	MG/L	
		NITRITE		08/23/90		0.2	MG/L	U
		PH	8.22	03/16/90		7.4	PHUNIT	
		PH	8.22	03/16/90		7.4	PHUNIT	
		PH	8.22	16/03/90		7.4	PHUNIT	
		PHOSPHATE		08/23/90		0.01	MG/L	U
		SILICA, DISSOLVED		08/23/90		8.8	MG/L	
		SULFATE	67.08	03/16/90		110	MG/L	
		SULFATE	67.08	03/16/90		110	MG/L	
		SULFATE	67.08	08/23/90	2.0	120	MG/L	
		SULFATE	67.08	16/03/90		110	MG/L	
		TOTAL DISSOLVED SOLIDS	388.76	03/16/90		470	MG/L	
		TOTAL DISSOLVED SOLIDS	388.76	03/16/90		470	MG/L	
		TOTAL DISSOLVED SOLIDS	388.76	08/23/90	10.0	440	MG/L	

1990 Groundwater Quality Data
Solar Evaporation Ponds - Weathered Bedrock

Well Id	Analyte Group	Analyte	Background Exceedance Value	Sample Date	Detection Limit	Concentration	Unit	Lab Qualifier
P209389	Inorganics	TOTAL DISSOLVED SOLIDS	388.76	16/03/90		470	MG/L	
		TOTAL SUSPENDED SOLIDS	4.0	08/23/90	4.0	4	MG/L	U
P209389	Total Metals	CYANIDE	0.01	08/23/90	10	1.50	UG/L	U
P209389	Dissolved Metals	ALUMINUM	0.327	08/23/90	200	17.60	UG/L	B
		ANTIMONY	0.5	08/23/90	60	10.00	UG/L	U
		ARSENIC	0.01	08/23/90	10	2.00	UG/L	U
		BARIUM	0.2	08/23/90	200	94.30	UG/L	B
		BERYLLIUM	0.005	08/23/90	5	1.00	UG/L	U
		CADMIUM	0.011	08/23/90	5	2.00	UG/L	U
		CALCIUM	62.59	08/23/90	5000	78600.00	UG/L	
		CESIUM	2.5	08/23/90	1000	147.00	UG/L	U
		CHROMIUM	0.02	08/23/90	10	6.00	UG/L	U
		COBALT	0.05	08/23/90	50	4.00	UG/L	U
		COPPER	0.048	08/23/90	25	3.00	UG/L	U
		IRON	0.944	08/23/90	100	51.90	UG/L	B
		LEAD	0.040	08/23/90	3	1.00	UG/L	U
		LITHIUM	1.79	08/23/90	100	18.40	UG/L	B
		MAGNESIUM	16.09	08/23/90	5000	11800.00	UG/L	
		MANGANESE	0.213	08/23/90	15	2.90	UG/L	B
		MERCURY	0.0008	08/23/90	0	0.20	UG/L	U
		MOLYBDENUM	0.5	08/23/90	200	2.00	UG/L	U
		NICKEL	0.043	08/23/90	40	4.00	UG/L	U
		POTASSIUM	11.3	08/23/90	5000	1120.00	UG/L	B
		SELENIUM	0.221	08/23/90	5	2.00	UG/L	U
		SILVER	0.004	08/23/90	10	2.00	UG/L	U
		SODIUM	46.74	08/23/90	5000	35200.00	UG/L	
		STRONTIUM	7.12	08/23/90	200	374.00	UG/L	
		THALLIUM	1	08/23/90	10	3.00	UG/L	U
		TIN	1	08/23/90	200	14.50	UG/L	B
		VANADIUM	0.05	08/23/90	50	3.20	UG/L	B
		ZINC	0.141	08/23/90	20	15.80	UG/L	B
P209389	Diss. Radionuclides	AMERICIUM-241	0.0167	09/25/90	0	0.126	PCI/L	
		AMERICIUM-241	0.0167	10/26/90		0.008339	PCI/L	J
		CESIUM-137	0.506	09/25/90		0.50	PCI/L	
		CESIUM-137	0.506	10/26/90	1	-0.131	PCI/L	J
		GROSS ALPHA - PARTICULATE	55.07	09/25/90	1.4	5.3	PCI/L	
		GROSS ALPHA - PARTICULATE	55.07	10/26/90	2	0.4	PCI/L	J
		GROSS BETA - PARTICULATE	59.63	09/25/90	2.8	6.3	PCI/L	
		GROSS BETA - PARTICULATE	59.63	10/26/90	4	2.504	PCI/L	J
		PLUTONIUM-239,240	0.015	10/26/90		0.00579	PCI/L	J
		STRONTIUM-89,90	0.900	10/26/90	1	0.244	PCI/L	J
		STRONTIUM-90		09/25/90		0.43	PCI/L	
		TRITIUM	359.07	09/25/90	390	320	PCI/L	
		TRITIUM	359.07	10/26/90	400	324.7	PCI/L	J
		URANIUM-233,234	0.1+/-.1	09/25/90	0	1.20	PCI/L	
		URANIUM-233,234	0.1+/-.1	10/26/90		0.537	PCI/L	J

1990 Groundwater Quality Data
Solar Evaporation Ponds - Weathered Bedrock

Well Id	Analyte Group	Analyte	Background Exceedance Value	Sample Date	Detection Limit	Concentration	Unit	Lab Qualifier
P209389	Diss. Radionuclides	URANIUM-235	2.09	09/25/90	0	0.10	PCI/L	
		URANIUM-238	25.57	09/25/90		0.99	PCI/L	
		URANIUM-238	25.57	10/26/90		0.358	PCI/L	J
P209389	Volatile Organics	1,1,1-TRICHLOROETHANE		03/16/90		5	UG/L	U
		1,1,1-TRICHLOROETHANE	5	03/16/90	5	5	UG/L	U
		1,1,1-TRICHLOROETHANE	5	05/31/90	5	5	UG/L	
		1,1,1-TRICHLOROETHANE	5	08/23/90	5	5	UG/L	U
		1,1,1-TRICHLOROETHANE	5	10/26/90	5	5	UG/L	
		1,1,2,2-TETRACHLOROETHANE		03/16/90		5	UG/L	U
		1,1,2,2-TETRACHLOROETHANE	5	03/16/90	5	5	UG/L	U
		1,1,2,2-TETRACHLOROETHANE	5	05/31/90	5	5	UG/L	U
		1,1,2,2-TETRACHLOROETHANE	5	08/23/90	5	5	UG/L	U
		1,1,2,2-TETRACHLOROETHANE	5	10/26/90	5	5	UG/L	U
		1,1,2-TRICHLOROETHANE		03/16/90		5	UG/L	U
		1,1,2-TRICHLOROETHANE	5	03/16/90	5	5	UG/L	U
		1,1,2-TRICHLOROETHANE	5	05/31/90	5	5	UG/L	U
		1,1,2-TRICHLOROETHANE	5	08/23/90	5	5	UG/L	U
		1,1,2-TRICHLOROETHANE	5	10/26/90	5	5	UG/L	U
		1,1-DICHLOROETHANE		03/16/90		2	UG/L	J
		1,1-DICHLOROETHANE	5	03/16/90	5	2	UG/L	J
		1,1-DICHLOROETHANE	5	05/31/90	5	2	UG/L	J
		1,1-DICHLOROETHANE	5	08/23/90	5	5	UG/L	U
		1,1-DICHLOROETHANE	5	10/26/90	5	3	UG/L	J
		1,1-DICHLOROETHENE		03/16/90		68	UG/L	J
		1,1-DICHLOROETHENE	5	03/16/90	5	68	UG/L	J
		1,1-DICHLOROETHENE	5	05/31/90	5	85	UG/L	
		1,1-DICHLOROETHENE	5	08/23/90	5	5	UG/L	U
		1,1-DICHLOROETHENE	5	10/26/90	5	86	UG/L	
		1,2-DICHLOROETHANE		03/16/90		5	UG/L	U
		1,2-DICHLOROETHANE	5	03/16/90	5	5	UG/L	U
		1,2-DICHLOROETHANE	5	05/31/90	5	5	UG/L	U
		1,2-DICHLOROETHANE	5	08/23/90	5	5	UG/L	U
		1,2-DICHLOROETHANE	5	10/26/90	5	5	UG/L	U
		1,2-DICHLOROETHENE (Total)		03/16/90		5	UG/L	U
		1,2-DICHLOROETHENE (Total)	5	03/16/90	5	5	UG/L	U
		1,2-DICHLOROETHENE (Total)	5	05/31/90	5	5	UG/L	U
		1,2-DICHLOROETHENE (Total)	5	10/26/90	5	5	UG/L	U
		1,2-DICHLOROETHYLENE	5	08/23/90	5	5	UG/L	U
		1,2-DICHLOROPROPANE		03/16/90		5	UG/L	U
		1,2-DICHLOROPROPANE	5	03/16/90	5	5	UG/L	U
		1,2-DICHLOROPROPANE	5	05/31/90	5	5	UG/L	U
		1,2-DICHLOROPROPANE	5	08/23/90	5	5	UG/L	U
		1,2-DICHLOROPROPANE	5	10/26/90	5	5	UG/L	U
		2-BUTANONE		03/16/90		10	UG/L	U
		2-BUTANONE	10	03/16/90	10	10	UG/L	U
		2-BUTANONE	10	05/31/90	10	10	UG/L	U

1990 Groundwater Quality Data
Solar Evaporation Ponds - Weathered Bedrock

Well Id	Analyte Group	Analyte	Background Exceedance Value	Sample Date	Detection Limit	Concentration	Unit	Lab Qualifier
P209389	Volatile Organics	2-BUTANONE	10	08/23/90	10	10	UG/L	U
		2-BUTANONE	10	10/26/90	10	10	UG/L	U
		2-HEXANONE		03/16/90		10	UG/L	U
		2-HEXANONE	10	03/16/90	10	10	UG/L	U
		2-HEXANONE	10	05/31/90	10	10	UG/L	U
		2-HEXANONE	10	08/23/90	10	10	UG/L	U
		2-HEXANONE	10	10/26/90	10	10	UG/L	U
		4-METHYL-2-PENTANONE		03/16/90		10	UG/L	U
		4-METHYL-2-PENTANONE	10	03/16/90	10	10	UG/L	U
		4-METHYL-2-PENTANONE	10	05/31/90	10	10	UG/L	U
		4-METHYL-2-PENTANONE	10	08/23/90	10	10	UG/L	U
		4-METHYL-2-PENTANONE	10	10/26/90	10	10	UG/L	U
		ACETONE		03/16/90		10	UG/L	U
		ACETONE	10	03/16/90	10	10	UG/L	U
		ACETONE	10	05/31/90	10	10	UG/L	U
		ACETONE	10	08/23/90	10	10	UG/L	U
		ACETONE	10	10/26/90	10	10	UG/L	U
		BENZENE		03/16/90		5	UG/L	U
		BENZENE	5	03/16/90	5	5	UG/L	U
		BENZENE	5	05/31/90	5	5	UG/L	U
		BENZENE	5	08/23/90	5	5	UG/L	U
		BENZENE	5	10/26/90	5	5	UG/L	U
		BROMODICHLOROMETHANE		03/16/90		5	UG/L	U
		BROMODICHLOROMETHANE	5	03/16/90	5	5	UG/L	U
		BROMODICHLOROMETHANE	5	05/31/90	5	5	UG/L	U
		BROMODICHLOROMETHANE	5	08/23/90	5	5	UG/L	U
		BROMODICHLOROMETHANE	5	10/26/90	5	5	UG/L	U
		BROMOFORM		03/16/90		5	UG/L	U
		BROMOFORM	5	03/16/90	5	5	UG/L	U
		BROMOFORM	5	05/31/90	5	5	UG/L	U
		BROMOFORM	5	08/23/90	5	5	UG/L	U
		BROMOFORM	5	10/26/90	5	5	UG/L	U
		BROMOMETHANE		03/16/90		10	UG/L	U
		BROMOMETHANE	10	03/16/90	10	10	UG/L	U
		BROMOMETHANE	10	05/31/90	10	10	UG/L	U
		BROMOMETHANE	10	08/23/90	10	10	UG/L	U
		BROMOMETHANE	10	10/26/90	10	10	UG/L	U
		CARBON DISULFIDE		03/16/90		5	UG/L	U
		CARBON DISULFIDE	5	03/16/90	5	5	UG/L	U
		CARBON DISULFIDE	5	05/31/90	5	5	UG/L	U
		CARBON DISULFIDE	5	08/23/90	5	5	UG/L	U
		CARBON DISULFIDE	5	10/26/90	5	5	UG/L	U
		CARBON TETRACHLORIDE		03/16/90		49	UG/L	J
		CARBON TETRACHLORIDE	5	03/16/90	5	49	UG/L	J
		CARBON TETRACHLORIDE	5	05/31/90	5	75	UG/L	
		CARBON TETRACHLORIDE	5	08/23/90	5	5	UG/L	U

1990 Groundwater Quality Data
Solar Evaporation Ponds - Weathered Bedrock

Well Id	Analyte Group	Analyte	Background Exceedance Value	Sample Date	Detection Limit	Concentration	Unit	Lab Qualifier
P209389	Volatile Organics	CARBON TETRACHLORIDE	5	10/26/90	5	43	UG/L	
		CHLOROBENZENE		03/16/90		5	UG/L	U
		CHLOROBENZENE	5	03/16/90	5	5	UG/L	U
		CHLOROBENZENE	5	05/31/90	5	5	UG/L	U
		CHLOROBENZENE	5	08/23/90	5	5	UG/L	U
		CHLOROBENZENE	5	10/26/90	5	5	UG/L	U
		CHLOROETHANE		03/16/90		10	UG/L	U
		CHLOROETHANE	10	03/16/90	10	10	UG/L	U
		CHLOROETHANE	10	05/31/90	10	10	UG/L	U
		CHLOROETHANE	10	08/23/90	10	10	UG/L	U
		CHLOROETHANE	10	10/26/90	10	10	UG/L	U
		CHLOROFORM		03/16/90		7	UG/L	J
		CHLOROFORM	5	03/16/90	5	7	UG/L	J
		CHLOROFORM	5	05/31/90	5	9	UG/L	
		CHLOROFORM	5	08/23/90	5	5	UG/L	U
		CHLOROFORM	5	10/26/90	5	8	UG/L	
		CHLOROMETHANE		03/16/90		10	UG/L	U
		CHLOROMETHANE	10	03/16/90	10	10	UG/L	U
		CHLOROMETHANE	10	05/31/90	10	10	UG/L	U
		CHLOROMETHANE	10	08/23/90	10	10	UG/L	U
		CHLOROMETHANE	10	10/26/90	10	10	UG/L	U
		DIBROMOCHLOROMETHANE		03/16/90		5	UG/L	U
		DIBROMOCHLOROMETHANE	5	03/16/90	5	5	UG/L	U
		DIBROMOCHLOROMETHANE	5	05/31/90	5	5	UG/L	U
		DIBROMOCHLOROMETHANE	5	08/23/90	5	5	UG/L	U
		DIBROMOCHLOROMETHANE	5	10/26/90	5	5	UG/L	U
		ETHYLBENZENE		03/16/90		5	UG/L	U
		ETHYLBENZENE	5	03/16/90	5	5	UG/L	U
		ETHYLBENZENE	5	05/31/90	5	5	UG/L	U
		ETHYLBENZENE	5	08/23/90	5	5	UG/L	U
		ETHYLBENZENE	5	10/26/90	5	5	UG/L	U
		METHYLENE CHLORIDE		03/16/90		5	UG/L	U
		METHYLENE CHLORIDE	5	03/16/90	5	5	UG/L	U
		METHYLENE CHLORIDE	5	05/31/90	5	5	UG/L	U
		METHYLENE CHLORIDE	5	08/23/90	5	4	UG/L	B
		METHYLENE CHLORIDE	5	10/26/90	5	1	UG/L	B
		PLUTONIUM-238		10/26/90		0.001581	PCI/L	J
		PLUTONIUM-239,240	0.015	09/25/90		0.003	PCI/L	
		STYRENE		03/16/90		5	UG/L	U
		STYRENE	5	03/16/90	5	5	UG/L	U
		STYRENE	5	05/31/90	5	5	UG/L	U
		STYRENE	5	08/23/90	5	5	UG/L	U
		STYRENE	5	10/26/90	5	5	UG/L	U
		TETRACHLOROETHENE		03/16/90		2	UG/L	J
		TETRACHLOROETHENE	5	03/16/90	5	2	UG/L	J
		TETRACHLOROETHENE	5	05/31/90	5	5	UG/L	U

1990 Groundwater Quality Data
Solar Evaporation Ponds - Weathered Bedrock

Well Id	Analyte Group	Analyte	Background Exceedance Value	Sample Date	Detection Limit	Concentration	Unit	Lab Qualifier
P209389	Volatile Organics	TETRACHLOROETHENE	5	08/23/90	5	5	UG/L	U
		TETRACHLOROETHENE	5	10/26/90	5	3	UG/L	J
		TOLUENE		03/16/90		5	UG/L	U
		TOLUENE	5	03/16/90	5	5	UG/L	U
		TOLUENE	5	05/31/90	5	5	UG/L	U
		TOLUENE	5	08/23/90	5	5	UG/L	U
		TOLUENE	5	10/26/90	5	5	UG/L	U
		TOTAL XYLENES		03/16/90		5	UG/L	U
		TOTAL XYLENES	5	08/23/90	5	5	UG/L	U
		TRICHLOROETHENE		03/16/90		2	UG/L	J
		TRICHLOROETHENE	5	03/16/90	5	2	UG/L	J
		TRICHLOROETHENE	5	05/31/90	5	5	UG/L	U
		TRICHLOROETHENE	5	08/23/90	5	5	UG/L	U
		TRICHLOROETHENE	5	10/26/90	5	3	UG/L	J
		VINYL ACETATE		03/16/90		10	UG/L	U
		VINYL ACETATE	10	03/16/90	10	10	UG/L	U
		VINYL ACETATE	10	05/31/90	10	10	UG/L	U
		VINYL ACETATE	10	08/23/90	10	10	UG/L	U
		VINYL ACETATE	10	10/26/90	10	10	UG/L	U
		VINYL CHLORIDE		03/16/90		10	UG/L	U
		VINYL CHLORIDE	10	03/16/90	10	10	UG/L	U
		VINYL CHLORIDE	10	05/31/90	10	10	UG/L	U
		VINYL CHLORIDE	10	08/23/90	10	10	UG/L	U
		VINYL CHLORIDE	10	10/26/90	10	10	UG/L	U
		XYLENES (TOTAL)	5	03/16/90	5	5	UG/L	U
		XYLENES (TOTAL)	5	05/31/90	5	5	UG/L	U
		XYLENES (TOTAL)	5	10/26/90	5	5	UG/L	U
		cis-1,3-DICHLOROPROPENE		03/16/90		5	UG/L	U
		cis-1,3-DICHLOROPROPENE	5	03/16/90	5	5	UG/L	U
		cis-1,3-DICHLOROPROPENE	5	05/31/90	5	5	UG/L	U
		cis-1,3-DICHLOROPROPENE	5	08/23/90	5	5	UG/L	U
		cis-1,3-DICHLOROPROPENE	5	10/26/90	5	5	UG/L	U
		trans-1,3-DICHLOROPROPENE		03/16/90		5	UG/L	U
		trans-1,3-DICHLOROPROPENE	5	03/16/90	5	5	UG/L	U
		trans-1,3-DICHLOROPROPENE	5	05/31/90	5	5	UG/L	U
		trans-1,3-DICHLOROPROPENE	5	08/23/90	5	5	UG/L	U
		trans-1,3-DICHLOROPROPENE	5	10/26/90	5	5	UG/L	U
P209489	Inorganics	CARBONATE	5	08/15/90		1	MG/L	U
		CARBONATE, HYDROGEN	249.35	08/15/90		310	MG/L	
		CHLORIDE (North)	10.67	08/15/90		97	MG/L	
		FLUORIDE	0.1	08/15/90		0.5	MG/L	U
		NITRATE/NITRITE	3.43	08/15/90		280	MG/L	
		NITRITE		08/15/90		0.02	MG/L	
		PHOSPHATE		08/15/90		0.04	MG/L	
		SULFATE	67.08	08/15/90		110	MG/L	
		TOTAL DISSOLVED SOLIDS	388.76	08/15/90		3000	MG/L	

1990 Groundwater Quality Data
Solar Evaporation Ponds - Weathered Bedrock

Well Id	Analyte Group	Analyte	Background Exceedance Value	Sample Date	Detection Limit	Concentration	Unit	Lab Qualifier
P209489	Inorganics	TOTAL SUSPENDED SOLIDS		08/15/90		93	MG/L	
P209489	Diss. Radionuclides	AMERICIUM-241	0.0167	10/26/90		0.008302	PCI/L	J
		CESIUM-137	0.506	10/26/90	1	0.4295	PCI/L	J
		GROSS ALPHA - PARTICULATE	55.07	10/26/90	2	35.78	PCI/L	X
		GROSS BETA - PARTICULATE	59.63	10/26/90	4	56	PCI/L	X
		PLUTONIUM-239,240	0.015	10/26/90		0.002816	PCI/L	J
		RADIUM-226	96.29	10/26/90		0.4772	PCI/L	J
		STRONTIUM-89,90	0.900	10/26/90	1	0.4894	PCI/L	J
		TRITIUM	359.07	10/26/90	400	-145	PCI/L	J
		TRITIUM	359.07	10/26/90	400	-67.4	PCI/L	J
		URANIUM-233,234	0.1+/-.1	10/26/90		31.43	PCI/L	X
		URANIUM-235	2.09	10/26/90		1.241	PCI/L	X
		URANIUM-238	25.57	10/26/90		30.47	PCI/L	X
P209489	Volatile Organics	1,1,1-TRICHLOROETHANE	5	05/31/90	5	2	UG/L	J
		1,1,1-TRICHLOROETHANE	5	10/26/90	5	5	UG/L	U
		1,1,2,2-TETRACHLOROETHANE	5	05/31/90	5	5	UG/L	U
		1,1,2,2-TETRACHLOROETHANE	5	10/26/90	5	5	UG/L	U
		1,1,2-TRICHLOROETHANE	5	05/31/90	5	5	UG/L	U
		1,1,2-TRICHLOROETHANE	5	10/26/90	5	5	UG/L	U
		1,1-DICHLOROETHANE	5	05/31/90	5	1	UG/L	J
		1,1-DICHLOROETHANE	5	10/26/90	5	5	UG/L	U
		1,1-DICHLOROETHENE	5	05/31/90	5	5	UG/L	U
		1,1-DICHLOROETHENE	5	10/26/90	5	5	UG/L	U
		1,2-DICHLOROETHANE	5	05/31/90	5	5	UG/L	U
		1,2-DICHLOROETHANE	5	10/26/90	5	5	UG/L	U
		1,2-DICHLOROETHENE (Total)	5	05/31/90	5	11	UG/L	
		1,2-DICHLOROETHENE (Total)	5	10/26/90	5	11	UG/L	
		1,2-DICHLOROPROPANE	5	05/31/90	5	5	UG/L	U
		1,2-DICHLOROPROPANE	5	10/26/90	5	5	UG/L	U
		2-BUTANONE	10	05/31/90	10	2	UG/L	J
		2-BUTANONE	10	10/26/90	10	10	UG/L	U
		2-HEXANONE	10	05/31/90	10	10	UG/L	U
		2-HEXANONE	10	10/26/90	10	10	UG/L	U
		4-METHYL-2-PENTANONE	10	05/31/90	10	10	UG/L	U
		4-METHYL-2-PENTANONE	10	10/26/90	10	10	UG/L	U
		ACETONE	10	05/31/90	10	10	UG/L	U
		ACETONE	10	10/26/90	10	10	UG/L	U
		BENZENE	5	05/31/90	5	5	UG/L	U
		BENZENE	5	10/26/90	5	5	UG/L	U
		BROMODICHLOROMETHANE	5	05/31/90	5	5	UG/L	U
		BROMODICHLOROMETHANE	5	10/26/90	5	5	UG/L	U
		BROMOFORM	5	05/31/90	5	5	UG/L	U
		BROMOFORM	5	10/26/90	5	5	UG/L	U
		BROMOMETHANE	10	05/31/90	10	10	UG/L	U
		BROMOMETHANE	10	10/26/90	10	10	UG/L	U
		CARBON DISULFIDE	5	05/31/90	5	5	UG/L	U

1990 Groundwater Quality Data
Solar Evaporation Ponds - Weathered Bedrock

Well Id	Analyte Group	Analyte	Background Exceedance Value	Sample Date	Detection Limit	Concentration	Unit	Lab Qualifier
P209489	Volatile Organics	CARBON DISULFIDE	5	10/26/90	5	5	UG/L	U
		CARBON TETRACHLORIDE	5	05/31/90	5	59	UG/L	J
		CARBON TETRACHLORIDE	5	10/26/90	5	52	UG/L	
		CHLOROBENZENE	5	05/31/90	5	5	UG/L	U
		CHLOROBENZENE	5	10/26/90	5	5	UG/L	U
		CHLOROETHANE	10	05/31/90	10	10	UG/L	U
		CHLOROETHANE	10	10/26/90	10	10	UG/L	U
		CHLOROFORM	5	05/31/90	5	17	UG/L	
		CHLOROFORM	5	10/26/90	5	17	UG/L	
		CHLOROMETHANE	10	05/31/90	10	10	UG/L	U
		CHLOROMETHANE	10	10/26/90	10	10	UG/L	U
		DIBROMOCHLOROMETHANE	5	05/31/90	5	5	UG/L	U
		DIBROMOCHLOROMETHANE	5	10/26/90	5	5	UG/L	U
		ETHYLBENZENE	5	05/31/90	5	5	UG/L	U
		ETHYLBENZENE	5	10/26/90	5	5	UG/L	U
		METHYLENE CHLORIDE	5	05/31/90	5	7	UG/L	U
		METHYLENE CHLORIDE	5	10/26/90	5	5	UG/L	U
		PLUTONIUM-238		10/26/90		0.0009023	PCI/L	J
		STYRENE	5	05/31/90	5	5	UG/L	U
		STYRENE	5	10/26/90	5	5	UG/L	U
		TETRACHLOROETHENE	5	05/31/90	5	6	UG/L	
		TETRACHLOROETHENE	5	10/26/90	5	4	UG/L	J
		TOLUENE	5	05/31/90	5	5	UG/L	U
		TOLUENE	5	10/26/90	5	5	UG/L	U
		TRICHLOROETHENE	5	05/31/90	5	70	UG/L	
		TRICHLOROETHENE	5	10/26/90	5	65	UG/L	
		VINYL ACETATE	10	05/31/90	10	10	UG/L	U
		VINYL ACETATE	10	10/26/90	10	10	UG/L	U
		VINYL CHLORIDE	10	05/31/90	10	1	UG/L	J
		VINYL CHLORIDE	10	10/26/90	10	10	UG/L	U
		XYLENES (TOTAL)	5	05/31/90	5	5	UG/L	U
		XYLENES (TOTAL)	5	10/26/90	5	5	UG/L	U
		cis-1,3-DICHLOROPROPENE	5	05/31/90	5	5	UG/L	U
		cis-1,3-DICHLOROPROPENE	5	10/26/90	5	5	UG/L	U
		trans-1,3-DICHLOROPROPENE	5	05/31/90	5	5	UG/L	U
		trans-1,3-DICHLOROPROPENE	5	10/26/90	5	5	UG/L	U
P209589	Inorganics	NITRATE/NITRITE	3.43	02/05/90		5000	MG/L	
		NITRATE/NITRITE	3.43	05/02/90		5000	MG/L	
P209589	Volatile Organics	1,1,1-TRICHLOROETHANE	5	08/28/90	5	5	UG/L	U
		1,1,1-TRICHLOROETHANE	5	11/06/90	5	5	UG/L	U
		1,1,2,2-TETRACHLOROETHANE	5	08/28/90	5	5	UG/L	U
		1,1,2,2-TETRACHLOROETHANE	5	11/06/90	5	5	UG/L	U
		1,1,2-TRICHLOROETHANE	5	08/28/90	5	5	UG/L	U
		1,1,2-TRICHLOROETHANE	5	11/06/90	5	5	UG/L	U
		1,1-DICHLOROETHANE	5	08/28/90	5	5	UG/L	U
		1,1-DICHLOROETHANE	5	11/06/90	5	5	UG/L	U

1990 Groundwater Quality Data
Solar Evaporation Ponds - Weathered Bedrock

Well Id	Analyte Group	Analyte	Background Exceedance Value	Sample Date	Detection Limit	Concentration	Unit	Lab Qualifier
P209589	Volatile Organics	1,1-DICHLOROETHENE	5	08/28/90	5	5	UG/L	U
		1,1-DICHLOROETHENE	5	11/06/90	5	5	UG/L	U
		1,2-DICHLOROETHANE	5	08/28/90	5	5	UG/L	U
		1,2-DICHLOROETHANE	5	11/06/90	5	5	UG/L	U
		1,2-DICHLOROETHYLENE	5	08/28/90	5	5	UG/L	U
		1,2-DICHLOROETHYLENE	5	11/06/90	5	5	UG/L	U
		1,2-DICHLOROPROPANE	5	08/28/90	5	5	UG/L	U
		1,2-DICHLOROPROPANE	5	11/06/90	5	5	UG/L	U
		2-BUTANONE	10	08/28/90	10	10	UG/L	U
		2-BUTANONE	10	11/06/90	10	10	UG/L	U
		2-HEXANONE	10	08/28/90	10	10	UG/L	U
		2-HEXANONE	10	11/06/90	10	10	UG/L	U
		4-METHYL-2-PENTANONE	10	08/28/90	10	10	UG/L	U
		4-METHYL-2-PENTANONE	10	11/06/90	10	10	UG/L	U
		ACETONE	10	08/28/90	10	10	UG/L	U
		ACETONE	10	11/06/90	10	10	UG/L	U
		BENZENE	5	08/28/90	5	5	UG/L	U
		BENZENE	5	11/06/90	5	5	UG/L	U
		BROMODICHLOROMETHANE	5	08/28/90	5	5	UG/L	U
		BROMODICHLOROMETHANE	5	11/06/90	5	5	UG/L	U
		BROMOFORM	5	08/28/90	5	5	UG/L	U
		BROMOFORM	5	11/06/90	5	5	UG/L	U
		BROMOMETHANE	10	08/28/90	10	10	UG/L	U
		BROMOMETHANE	10	11/06/90	10	10	UG/L	U
		CARBON DISULFIDE	5	08/28/90	5	5	UG/L	U
		CARBON DISULFIDE	5	11/06/90	5	5	UG/L	U
		CARBON TETRACHLORIDE	5	08/28/90	5	5	UG/L	U
		CARBON TETRACHLORIDE	5	11/06/90	5	5	UG/L	U
		CHLOROBENZENE	5	08/28/90	5	5	UG/L	U
		CHLOROBENZENE	5	11/06/90	5	5	UG/L	U
		CHLOROETHANE	10	08/28/90	10	10	UG/L	U
		CHLOROETHANE	10	11/06/90	10	10	UG/L	U
		CHLOROFORM	5	08/28/90	5	5	UG/L	U
		CHLOROFORM	5	11/06/90	5	5	UG/L	U
		CHLOROMETHANE	10	08/28/90	10	10	UG/L	U
		CHLOROMETHANE	10	11/06/90	10	10	UG/L	U
		DIBROMOCHLOROMETHANE	5	08/28/90	5	5	UG/L	U
		DIBROMOCHLOROMETHANE	5	11/06/90	5	5	UG/L	U
		ETHYLBENZENE	5	08/28/90	5	5	UG/L	U
		ETHYLBENZENE	5	11/06/90	5	5	UG/L	U
		METHYLENE CHLORIDE	5	08/28/90	5	5	UG/L	U
		METHYLENE CHLORIDE	5	11/06/90	5	5	UG/L	U
		STYRENE	5	08/28/90	5	5	UG/L	U
		STYRENE	5	11/06/90	5	5	UG/L	U
		TETRACHLOROETHENE	5	08/28/90	5	5	UG/L	U
		TETRACHLOROETHENE	5	11/06/90	5	5	UG/L	U

1990 Groundwater Quality Data
Solar Evaporation Ponds - Weathered Bedrock

Well Id	Analyte Group	Analyte	Background Exceedance Value	Sample Date	Detection Limit	Concentration	Unit	Lab Qualifier
P209589	Volatile Organics	TOLUENE	5	08/28/90	5	5	UG/L	U
		TOLUENE	5	11/06/90	5	2	UG/L	B
		TOTAL XYLENES	5	08/28/90	5	5	UG/L	U
		TOTAL XYLENES	5	11/06/90	5	5	UG/L	U
		TRICHLOROETHENE	5	08/28/90	5	2	UG/L	J
		TRICHLOROETHENE	5	11/06/90	5	5	UG/L	U
		VINYL ACETATE	10	08/28/90	10	10	UG/L	U
		VINYL ACETATE	10	11/06/90	10	10	UG/L	U
		VINYL CHLORIDE	10	08/28/90	10	10	UG/L	U
		VINYL CHLORIDE	10	11/06/90	10	10	UG/L	U
		cis-1,3-DICHLOROPROPENE	5	08/28/90	5	5	UG/L	U
		cis-1,3-DICHLOROPROPENE	5	11/06/90	5	5	UG/L	U
		trans-1,3-DICHLOROPROPENE	5	08/28/90	5	5	UG/L	U
		trans-1,3-DICHLOROPROPENE	5	11/06/90	5	5	UG/L	U
P209689	Inorganics	NITRATE/NITRITE	3.43	03/22/90		15	MG/L	
		NITRATE/NITRITE	3.43	22/03/90		15	MG/L	
P209689	Total Radionuclides	GROSS ALPHA - PARTICULATE	55.07	03/22/90	4.52	3.592	PCI/L	
P209689	Volatile Organics	1,1,1-TRICHLOROETHANE	5	07/19/90	5	5	UG/L	U
		1,1,2,2-TETRACHLOROETHANE	5	07/19/90	5	5	UG/L	U
		1,1,2-TRICHLOROETHANE	5	07/19/90	5	5	UG/L	U
		1,1-DICHLOROETHANE	5	07/19/90	5	5	UG/L	U
		1,1-DICHLOROETHENE	5	07/19/90	5	5	UG/L	U
		1,2-DICHLOROETHANE	5	07/19/90	5	5	UG/L	U
		1,2-DICHLOROETHYLENE	5	07/19/90	5	5	UG/L	U
		1,2-DICHLOROPROPANE	5	07/19/90	5	5	UG/L	U
		2-BUTANONE	10	07/19/90	10	10	UG/L	U
		2-HEXANONE	10	07/19/90	10	10	UG/L	U
		4-METHYL-2-PENTANONE	10	07/19/90	10	10	UG/L	U
		ACETONE	10	07/19/90	10	10	UG/L	U
		BENZENE	5	07/19/90	5	5	UG/L	U
		BROMODICHLOROMETHANE	5	07/19/90	5	5	UG/L	U
		BROMOFORM	5	07/19/90	5	5	UG/L	U
		BROMOMETHANE	10	07/19/90	10	10	UG/L	U
		CARBON DISULFIDE	5	07/19/90	5	5	UG/L	U
		CARBON TETRACHLORIDE	5	07/19/90	5	5	UG/L	U
		CHLOROBENZENE	5	07/19/90	5	5	UG/L	U
		CHLOROETHANE	10	07/19/90	10	10	UG/L	U
		CHLOROFORM	5	07/19/90	5	5	UG/L	U
		CHLOROMETHANE	10	07/19/90	10	10	UG/L	U
		DIBROMOCHLOROMETHANE	5	07/19/90	5	5	UG/L	U
		ETHYLBENZENE	5	07/19/90	5	5	UG/L	U
		METHYLENE CHLORIDE	5	07/19/90	5	6	UG/L	B
		STYRENE	5	07/19/90	5	5	UG/L	U
		TETRACHLOROETHENE	5	07/19/90	5	5	UG/L	U
		TOLUENE	5	07/19/90	5	5	UG/L	U
		TOTAL XYLENES	5	07/19/90	5	5	UG/L	U

1990 Groundwater Quality Data
Solar Evaporation Ponds - Weathered Bedrock

Well Id	Analyte Group	Analyte	Background Exceedance Value	Sample Date	Detection Limit	Concentration	Unit	Lab Qualifier
P209689	Volatile Organics	TRICHLOROETHENE	5	07/19/90	5	5	UG/L	U
		VINYL ACETATE	10	07/19/90	10	10	UG/L	U
		VINYL CHLORIDE	10	07/19/90	10	10	UG/L	U
		cis-1,3-DICHLOROPROPENE	5	07/19/90	5	5	UG/L	U
		trans-1,3-DICHLOROPROPENE	5	07/19/90	5	5	UG/L	U
P20988	Diss. Radionuclides	CESIUM-137	0.506	03/09/90		0.02	PCI/L	
		GROSS ALPHA - PARTICULATE	55.07	03/09/90	40	47	PCI/L	
		GROSS BETA - PARTICULATE	59.63	03/09/90	41	52	PCI/L	
		STRONTIUM-90		03/09/90		0.38	PCI/L	
		TRITIUM	359.07	03/09/90	240	7710	PCI/L	
		URANIUM-233,234	0.1+/-.1	03/09/90		35.29	PCI/L	
		URANIUM-235	2.09	03/09/90		0.65	PCI/L	
		URANIUM-238	25.57	03/09/90		23.45	PCI/L	
P209889	Inorganics	CARBONATE	5	03/09/90		5	MG/L	U
		CARBONATE	5	03/09/90		5	MG/L	U
		CARBONATE	5	09/03/90		5	MG/L	U
		CARBONATE, HYDROGEN	249.35	03/09/90		160	MG/L	
		CARBONATE, HYDROGEN	249.35	03/09/90		160	MG/L	
		CARBONATE, HYDROGEN	249.35	08/22/90	1.0	170	MG/L	
		CARBONATE, HYDROGEN	249.35	09/03/90		160	MG/L	
		CARBONATE, HYDROGEN	249.35	10/30/90	1.0	180	MG/L	
		CHLORIDE (North)	10.67	03/09/90		550	MG/L	
		CHLORIDE (North)	10.67	03/09/90		550	MG/L	
		CHLORIDE (North)	10.67	08/22/90		490	MG/L	
		CHLORIDE (North)	10.67	09/03/90		550	MG/L	
		CHLORIDE (North)	10.67	10/30/90		480	MG/L	
		CYANIDE	0.01	05/22/90	10	10.0	UG/L	U
		FLUORIDE	0.1	03/09/90		1.0	MG/L	
		FLUORIDE	0.1	03/09/90		1.0	MG/L	
		FLUORIDE	0.1	08/22/90		1.1	MG/L	
		FLUORIDE	0.1	09/03/90		1.0	MG/L	
		FLUORIDE	0.1	10/30/90		1.2	MG/L	
		NITRATE/NITRITE	3.43	03/09/90		2800	MG/L	
		NITRATE/NITRITE	3.43	03/09/90		2800	MG/L	
		NITRATE/NITRITE	3.43	08/22/90		2600	MG/L	
		NITRATE/NITRITE	3.43	09/03/90		2800	MG/L	
		NITRATE/NITRITE	3.43	10/30/90		2700	MG/L	
		NITRITE		08/22/90		0.02	MG/L	U
		PARATHION, ETHYL		10/30/90		0.01	MG/L	U
		PH	8.22	03/09/90		7.4	PHUNIT	
		PH	8.22	03/09/90		7.4	PHUNIT	
		PH	8.22	09/03/90		7.4	PHUNIT	
		PHOSPHATE		08/22/90		0.03	MG/L	
		SILICA, DISSOLVED		08/22/90		6.5	MG/L	
		SILICA, DISSOLVED		10/30/90		7.4	MG/L	
		SULFATE	67.08	03/09/90		560	MG/L	

1990 Groundwater Quality Data
Solar Evaporation Ponds - Weathered Bedrock

Well Id	Analyte Group	Analyte	Background Exceedance Value	Sample Date	Detection Limit	Concentration	Unit	Lab Qualifier
P209889	Inorganics	SULFATE	67.08	03/09/90		560	MG/L	
		SULFATE	67.08	08/22/90	2.0	440	MG/L	
		SULFATE	67.08	09/03/90		560	MG/L	
		SULFATE	67.08	10/30/90	2.0	470	MG/L	
		SULFATE	67.08	10/30/90	2.0	480	MG/L	
		TOTAL DISSOLVED SOLIDS	388.76	03/09/90		18000	MG/L	
		TOTAL DISSOLVED SOLIDS	388.76	03/09/90		18000	MG/L	
		TOTAL DISSOLVED SOLIDS	388.76	08/22/90	10.0	22000	MG/L	
		TOTAL DISSOLVED SOLIDS	388.76	09/03/90		18000	MG/L	
		TOTAL DISSOLVED SOLIDS	388.76	10/30/90	10.0	21000	MG/L	
		TOTAL DISSOLVED SOLIDS	388.76	10/30/90	10.0	22000	MG/L	
		TOTAL SUSPENDED SOLIDS	4.0	08/22/90	4.0	51	MG/L	
		TOTAL SUSPENDED SOLIDS	4.0	10/30/90	4.0	47	MG/L	
		TOTAL SUSPENDED SOLIDS	4.0	10/30/90	4.0	51	MG/L	
P209889	Total Metals	CYANIDE	0.01	08/22/90	10	1.50	UG/L	U
		CYANIDE	0.01	10/30/90	10	3.00	UG/L	B
		CYANIDE	0.01	10/30/90	10	4.0000	UG/L	U
P209889	Dissolved Metals	ALUMINUM	0.327	03/09/90	200	35.0	UG/L	U
		ALUMINUM	0.327	05/22/90	200	84.0	UG/L	U
		ALUMINUM	0.327	08/22/90	200	420.00	UG/L	
		ALUMINUM	0.327	10/30/90	200	386.00	UG/L	
		ALUMINUM	0.327	10/30/90	200	393.2790	UG/L	
		ANTIMONY	0.5	03/09/90	60	26.0	UG/L	U
		ANTIMONY	0.5	05/22/90	60	49.3	UG/L	
		ANTIMONY	0.5	08/22/90	60	119.00	UG/L	
		ANTIMONY	0.5	10/30/90	60	155.00	UG/L	
		ANTIMONY	0.5	10/30/90	60	157.3000	UG/L	
		ARSENIC	0.01	03/09/90	10	3.4	UG/L	
		ARSENIC	0.01	05/22/90	10	2.0	UG/L	U
		ARSENIC	0.01	08/22/90	10	2.00	UG/L	B
		ARSENIC	0.01	10/30/90	10	2.00	UG/L	U
		ARSENIC	0.01	10/30/90	10	2.0000	UG/L	U
		BARIUM	0.2	03/09/90	200	209	UG/L	J
		BARIUM	0.2	05/22/90	200	193	UG/L	
		BARIUM	0.2	08/22/90	200	204.00	UG/L	
		BARIUM	0.2	10/30/90	200	189.4060	UG/L	B
		BARIUM	0.2	10/30/90	200	190.00	UG/L	B
		BERYLLIUM	0.005	03/09/90	5	1.0	UG/L	U
		BERYLLIUM	0.005	05/22/90	5	1.0	UG/L	U
		BERYLLIUM	0.005	08/22/90	5	3.60	UG/L	B
		BERYLLIUM	0.005	10/30/90	5	2.90	UG/L	B
		BERYLLIUM	0.005	10/30/90	5	2.9570	UG/L	B
		CADMIUM	0.011	03/09/90	5	2.0	UG/L	
		CADMIUM	0.011	05/22/90	5	3.0	UG/L	U
		CADMIUM	0.011	08/22/90	5	35.20	UG/L	
		CADMIUM	0.011	10/30/90	5	15.80	UG/L	

1990 Groundwater Quality Data
Solar Evaporation Ponds - Weathered Bedrock

Well Id	Analyte Group	Analyte	Background Exceedance Value	Sample Date	Detection Limit	Concentration	Unit	Lab Qualifier
P209889	Dissolved Metals	CADMIUM	0.011	10/30/90	5	15.9150	UG/L	
		CALCIUM	62.59	03/09/90	5000	134000	UG/L	
		CALCIUM	62.59	05/22/90	5000	199000	UG/L	
		CALCIUM	62.59	08/22/90	5000	1900000.0	UG/L	
		CALCIUM	62.59	10/30/90	5000	1770000.0	UG/L	
		CALCIUM	62.59	10/30/90	5000	1805900.0	UG/L	
		CESIUM	2.5	03/09/90	1000	130	UG/L	
		CESIUM	2.5	05/22/90	1000	2500	UG/L	U
		CESIUM	2.5	08/22/90	1000	147.00	UG/L	U
		CESIUM	2.5	10/30/90	1000	200.00	UG/L	B
		CESIUM	2.5	10/30/90	1000	200.0000	UG/L	B
		CHROMIUM	0.02	03/09/90	10	5.0	UG/L	U
		CHROMIUM	0.02	05/22/90	10	2.0	UG/L	U
		CHROMIUM	0.02	08/22/90	10	172.00	UG/L	
		CHROMIUM	0.02	10/30/90	10	90.80	UG/L	
		CHROMIUM	0.02	10/30/90	10	94.4740	UG/L	
		COBALT	0.05	03/09/90	50	8.2	UG/L	J
		COBALT	0.05	05/22/90	50	12.6	UG/L	U
		COBALT	0.05	08/22/90	50	73.70	UG/L	
		COBALT	0.05	10/30/90	50	76.5720	UG/L	
		COBALT	0.05	10/30/90	50	76.60	UG/L	
		COPPER	0.048	03/09/90	25	5.0	UG/L	U
		COPPER	0.048	05/22/90	25	6.6	UG/L	U
		COPPER	0.048	08/22/90	25	23.30	UG/L	B
		COPPER	0.048	10/30/90	25	36.9960	UG/L	
		COPPER	0.048	10/30/90	25	38.70	UG/L	
		IRON	0.944	03/09/90	100	33.3	UG/L	U
		IRON	0.944	05/22/90	100	44.0	UG/L	U
		IRON	0.944	08/22/90	100	13.00	UG/L	U
		IRON	0.944	10/30/90	100	14.00	UG/L	U
		IRON	0.944	10/30/90	100	14.0000	UG/L	U
		LEAD	0.040	03/09/90	5	2.0	UG/L	U
		LEAD	0.040	05/22/90	5	3.0	UG/L	U
		LEAD	0.040	08/22/90	3	1.00	UG/L	U
		LEAD	0.040	10/30/90	3	10.00	UG/L	U
		LEAD	0.040	10/30/90	3	10.0000	UG/L	U
		LITHIUM	1.79	03/09/90	100	1660	UG/L	
		LITHIUM	1.79	05/22/90	100	1590	UG/L	J
		LITHIUM	1.79	08/22/90	100	1670.00	UG/L	
		LITHIUM	1.79	10/30/90	100	1460.00	UG/L	
		LITHIUM	1.79	10/30/90	100	1543.5100	UG/L	
		MAGNESIUM	16.09	03/09/90	5000	670000	UG/L	
		MAGNESIUM	16.09	05/22/90	5000	725000	UG/L	J
		MAGNESIUM	16.09	08/22/90	5000	788000.00	UG/L	
		MAGNESIUM	16.09	10/30/90	5000	634000.00	UG/L	
		MAGNESIUM	16.09	10/30/90	5000	637455.51	UG/L	

1990 Groundwater Quality Data
Solar Evaporation Ponds - Weathered Bedrock

Well Id	Analyte Group	Analyte	Background Exceedance Value	Sample Date	Detection Limit	Concentration	Unit	Lab Qualifier
P209889	Dissolved Metals	MANGANESE	0.213	03/09/90	15	54.4	UG/L	J
		MANGANESE	0.213	05/22/90	15	67.1	UG/L	J
		MANGANESE	0.213	08/22/90	15	63.60	UG/L	
		MANGANESE	0.213	10/30/90	15	62.10	UG/L	
		MANGANESE	0.213	10/30/90	15	62.2870	UG/L	
		MERCURY	0.0008	03/09/90		0.2	UG/L	U
		MERCURY	0.0008	05/22/90		0.20	UG/L	U
		MERCURY	0.0008	08/22/90	0	0.20	UG/L	U
		MERCURY	0.0008	10/30/90	0	0.20	UG/L	U
		MERCURY	0.0008	10/30/90	0	0.2000	UG/L	U
		MOLYBDENUM	0.5	03/09/90	200	35.0	UG/L	U
		MOLYBDENUM	0.5	05/22/90	200	100	UG/L	U
		MOLYBDENUM	0.5	08/22/90	200	111.00	UG/L	B
		MOLYBDENUM	0.5	10/30/90	200	120.00	UG/L	B
		MOLYBDENUM	0.5	10/30/90	200	122.1650	UG/L	B
		NICKEL	0.043	03/09/90	40	14.5	UG/L	
		NICKEL	0.043	05/22/90	40	9.3	UG/L	U
		NICKEL	0.043	08/22/90	40	117.00	UG/L	
		NICKEL	0.043	10/30/90	40	118.00	UG/L	
		NICKEL	0.043	10/30/90	40	122.5830	UG/L	
		POTASSIUM	11.3	03/09/90	5000	7060	UG/L	
		POTASSIUM	11.3	05/22/90	5000	8420	UG/L	
		POTASSIUM	11.3	08/22/90	5000	6970.00	UG/L	
		POTASSIUM	11.3	10/30/90	5000	8460.00	UG/L	
		POTASSIUM	11.3	10/30/90	5000	8676.6900	UG/L	
		SELENIUM	0.221	03/09/90	5	6.0	UG/L	U
		SELENIUM	0.221	05/22/90	5	57.0	UG/L	J
		SELENIUM	0.221	08/22/90	5	20.00	UG/L	B
		SELENIUM	0.221	10/30/90	5	30.00	UG/L	B
		SELENIUM	0.221	10/30/90	5	30.0000	UG/L	B
		SILICON		05/22/90		5400	UG/L	
		SILVER	0.004	03/09/90	10	6.0	UG/L	U
		SILVER	0.004	05/22/90	10	3.0	UG/L	U
		SILVER	0.004	08/22/90	10	44.70	UG/L	
		SILVER	0.004	10/30/90	10	10.1820	UG/L	
		SILVER	0.004	10/30/90	10	9.50	UG/L	B
		SODIUM	46.74	03/09/90	5000	1890000	UG/L	
		SODIUM	46.74	05/22/90	5000	1950000	UG/L	
		SODIUM	46.74	08/22/90	5000	2020000.0	UG/L	
		SODIUM	46.74	10/30/90	5000	1900000.0	UG/L	
		SODIUM	46.74	10/30/90	5000	1938320.0	UG/L	
		STRONTIUM	7.12	03/09/90	200	25700	UG/L	J
		STRONTIUM	7.12	05/22/90	200	23200	UG/L	J
		STRONTIUM	7.12	08/22/90	200	23300.00	UG/L	
		STRONTIUM	7.12	10/30/90	200	23200.00	UG/L	
		STRONTIUM	7.12	10/30/90	200	23206.089	UG/L	

1990 Groundwater Quality Data
Solar Evaporation Ponds - Weathered Bedrock

Well Id	Analyte Group	Analyte	Background Exceedance Value	Sample Date	Detection Limit	Concentration	Unit	Lab Qualifier
P209889	Dissolved Metals	THALLIUM	1	03/09/90	10	3.0	UG/L	U
		THALLIUM	1	05/22/90	10	4.0	UG/L	U
		THALLIUM	1	08/22/90	10	3.00	UG/L	U
		THALLIUM	1	10/30/90	10	2.00	UG/L	U
		THALLIUM	1	10/30/90	10	2.0000	UG/L	U
		TIN	1	03/09/90	200	25.0	UG/L	U
		TIN	1	05/22/90	200	100	UG/L	U
		TIN	1	08/22/90	200	158.00	UG/L	B
		TIN	1	10/30/90	200	131.00	UG/L	B
		TIN	1	10/30/90	200	139.4560	UG/L	B
		VANADIUM	0.05	03/09/90	50	6.0	UG/L	J
		VANADIUM	0.05	05/22/90	50	122	UG/L	J
		VANADIUM	0.05	08/22/90	50	103.00	UG/L	
		VANADIUM	0.05	10/30/90	50	72.40	UG/L	
		VANADIUM	0.05	10/30/90	50	74.1440	UG/L	
		ZINC	0.141	03/09/90	20	6.2	UG/L	J
		ZINC	0.141	05/22/90	20	66.4	UG/L	U
		ZINC	0.141	08/22/90	20	27.40	UG/L	
		ZINC	0.141	10/30/90	20	28.4550	UG/L	
		ZINC	0.141	10/30/90	20	32.80	UG/L	
P209889	Volatile Organics	1,1,1-TRICHLOROETHANE	5	03/09/90	5	5	UG/L	U
		1,1,1-TRICHLOROETHANE	5	08/22/90	5	5	UG/L	U
		1,1,1-TRICHLOROETHANE	5	10/30/90	5	5	UG/L	U
		1,1,2,2-TETRACHLOROETHANE	5	03/09/90	5	5	UG/L	U
		1,1,2,2-TETRACHLOROETHANE	5	08/22/90	5	5	UG/L	U
		1,1,2,2-TETRACHLOROETHANE	5	10/30/90	5	5	UG/L	U
		1,1,2-TRICHLOROETHANE	5	03/09/90	5	5	UG/L	U
		1,1,2-TRICHLOROETHANE	5	08/22/90	5	5	UG/L	U
		1,1,2-TRICHLOROETHANE	5	10/30/90	5	5	UG/L	U
		1,1-DICHLOROETHANE	5	03/09/90	5	5	UG/L	U
		1,1-DICHLOROETHANE	5	08/22/90	5	5	UG/L	U
		1,1-DICHLOROETHANE	5	10/30/90	5	5	UG/L	U
		1,1-DICHLOROETHENE	5	03/09/90	5	5	UG/L	U
		1,1-DICHLOROETHENE	5	08/22/90	5	5	UG/L	U
		1,1-DICHLOROETHENE	5	10/30/90	5	5	UG/L	U
		1,2-DICHLOROETHANE	5	03/09/90	5	5	UG/L	U
		1,2-DICHLOROETHANE	5	08/22/90	5	5	UG/L	U
		1,2-DICHLOROETHANE	5	10/30/90	5	5	UG/L	U
		1,2-DICHLOROETHENE (Total)	5	03/09/90	5	5	UG/L	U
		1,2-DICHLOROETHYLENE	5	08/22/90	5	5	UG/L	U
		1,2-DICHLOROETHYLENE	5	10/30/90	5	5	UG/L	U
		1,2-DICHLOROPROPANE	5	03/09/90	5	5	UG/L	U
		1,2-DICHLOROPROPANE	5	08/22/90	5	5	UG/L	U
		1,2-DICHLOROPROPANE	5	10/30/90	5	5	UG/L	U
		2-BUTANONE	10	03/09/90	10	10	UG/L	U
		2-BUTANONE	10	08/22/90	10	10	UG/L	U

1990 Groundwater Quality Data
Solar Evaporation Ponds - Weathered Bedrock

Well Id	Analyte Group	Analyte	Background Exceedance Value	Sample Date	Detection Limit	Concentration	Unit	Lab Qualifier
P209889	Volatile Organics	2-BUTANONE	10	10/30/90	10	10	UG/L	U
		2-HEXANONE	10	03/09/90	10	10	UG/L	U
		2-HEXANONE	10	08/22/90	10	10	UG/L	U
		2-HEXANONE	10	10/30/90	10	10	UG/L	U
		4-METHYL-2-PENTANONE	10	03/09/90	10	10	UG/L	U
		4-METHYL-2-PENTANONE	10	08/22/90	10	10	UG/L	U
		4-METHYL-2-PENTANONE	10	10/30/90	10	10	UG/L	U
		ACETONE	10	03/09/90	10	10	UG/L	U
		ACETONE	10	08/22/90	10	5	UG/L	B
		ACETONE	10	10/30/90	10	10	UG/L	U
		BENZENE	5	03/09/90	5	5	UG/L	U
		BENZENE	5	08/22/90	5	5	UG/L	U
		BENZENE	5	10/30/90	5	5	UG/L	U
		BROMODICHLOROMETHANE	5	03/09/90	5	5	UG/L	U
		BROMODICHLOROMETHANE	5	08/22/90	5	5	UG/L	U
		BROMODICHLOROMETHANE	5	10/30/90	5	5	UG/L	U
		BROMOFORM	5	03/09/90	5	5	UG/L	U
		BROMOFORM	5	08/22/90	5	5	UG/L	U
		BROMOFORM	5	10/30/90	5	5	UG/L	U
		BROMOMETHANE	10	03/09/90	10	10	UG/L	U
		BROMOMETHANE	10	08/22/90	10	10	UG/L	U
		BROMOMETHANE	10	10/30/90	10	10	UG/L	U
		CARBON DISULFIDE	5	03/09/90	5	5	UG/L	U
		CARBON DISULFIDE	5	08/22/90	5	5	UG/L	U
		CARBON DISULFIDE	5	10/30/90	5	5	UG/L	U
		CARBON TETRACHLORIDE	5	03/09/90	5	5	UG/L	U
		CARBON TETRACHLORIDE	5	08/22/90	5	5	UG/L	U
		CARBON TETRACHLORIDE	5	10/30/90	5	5	UG/L	U
		CHLOROBENZENE	5	03/09/90	5	5	UG/L	U
		CHLOROBENZENE	5	08/22/90	5	5	UG/L	U
		CHLOROBENZENE	5	10/30/90	5	5	UG/L	U
		CHLOROETHANE	10	03/09/90	10	10	UG/L	U
		CHLOROETHANE	10	08/22/90	10	10	UG/L	U
		CHLOROETHANE	10	10/30/90	10	10	UG/L	U
		CHLOROFORM	5	03/09/90	5	5	UG/L	U
		CHLOROFORM	5	08/22/90	5	5	UG/L	U
		CHLOROFORM	5	10/30/90	5	5	UG/L	U
		CHLOROMETHANE	10	03/09/90	10	10	UG/L	U
		CHLOROMETHANE	10	08/22/90	10	10	UG/L	U
		CHLOROMETHANE	10	10/30/90	10	10	UG/L	U
		DIBROMOCHLOROMETHANE	5	03/09/90	5	5	UG/L	U
		DIBROMOCHLOROMETHANE	5	08/22/90	5	5	UG/L	U
		DIBROMOCHLOROMETHANE	5	10/30/90	5	5	UG/L	U
		ETHYLBENZENE	5	03/09/90	5	5	UG/L	U
		ETHYLBENZENE	5	08/22/90	5	5	UG/L	U
		ETHYLBENZENE	5	10/30/90	5	5	UG/L	U

1990 Groundwater Quality Data
Solar Evaporation Ponds - Weathered Bedrock

Well Id	Analyte Group	Analyte	Background Exceedance Value	Sample Date	Detection Limit	Concentration	Unit	Lab Qualifier
P209889	Volatile Organics	METHYLENE CHLORIDE	5	03/09/90	5	5	UG/L	U
		METHYLENE CHLORIDE	5	08/22/90	5	4	UG/L	J
		METHYLENE CHLORIDE	5	10/30/90	5	6	UG/L	B
		STYRENE	5	03/09/90	5	5	UG/L	U
		STYRENE	5	08/22/90	5	5	UG/L	U
		STYRENE	5	10/30/90	5	5	UG/L	U
		TETRACHLOROETHENE	5	03/09/90	5	5	UG/L	U
		TETRACHLOROETHENE	5	08/22/90	5	5	UG/L	U
		TETRACHLOROETHENE	5	10/30/90	5	5	UG/L	U
		TOLUENE	5	03/09/90	5	5	UG/L	U
		TOLUENE	5	08/22/90	5	5	UG/L	U
		TOLUENE	5	10/30/90	5	1	UG/L	J
		TOTAL XYLENES	5	08/22/90	5	5	UG/L	U
		TOTAL XYLENES	5	10/30/90	5	5	UG/L	U
		TRICHLOROETHENE	5	03/09/90	5	5	UG/L	U
		TRICHLOROETHENE	5	08/22/90	5	5	UG/L	U
		TRICHLOROETHENE	5	10/30/90	5	5	UG/L	U
		VINYL ACETATE	10	03/09/90	10	10	UG/L	U
		VINYL ACETATE	10	08/22/90	10	10	UG/L	U
		VINYL ACETATE	10	10/30/90	10	10	UG/L	U
		VINYL CHLORIDE	10	03/09/90	10	10	UG/L	U
		VINYL CHLORIDE	10	08/22/90	10	10	UG/L	U
		VINYL CHLORIDE	10	10/30/90	10	10	UG/L	U
		XYLENES (TOTAL)	5	03/09/90	5	5	UG/L	U
		cis-1,3-DICHLOROPROPENE	5	03/09/90	5	5	UG/L	U
		cis-1,3-DICHLOROPROPENE	5	08/22/90	5	5	UG/L	U
		cis-1,3-DICHLOROPROPENE	5	10/30/90	5	5	UG/L	U
		trans-1,3-DICHLOROPROPENE	5	03/09/90	5	5	UG/L	U
		trans-1,3-DICHLOROPROPENE	5	08/22/90	5	5	UG/L	U
		trans-1,3-DICHLOROPROPENE	5	10/30/90	5	5	UG/L	U
P210089	Inorganics	CARBONATE	5	02/28/90		5	MG/L	U
		CARBONATE	5	02/28/90		5	MG/L	U
		CARBONATE	5	08/15/90		1	MG/L	U
		CARBONATE	5	28/02/90		5	MG/L	U
		CARBONATE, HYDROGEN	249.35	02/28/90		150	MG/L	
		CARBONATE, HYDROGEN	249.35	02/28/90		150	MG/L	
		CARBONATE, HYDROGEN	249.35	08/15/90		120	MG/L	
		CARBONATE, HYDROGEN	249.35	28/02/90		150	MG/L	
		CHLORIDE (North)	10.67	02/28/90		580	MG/L	
		CHLORIDE (North)	10.67	02/28/90		580	MG/L	
		CHLORIDE (North)	10.67	08/15/90		480	MG/L	
		CHLORIDE (North)	10.67	28/02/90		580	MG/L	
		FLUORIDE	0.1	02/28/90		0.5	MG/L	U
		FLUORIDE	0.1	02/28/90		0.5	MG/L	U
		FLUORIDE	0.1	08/15/90		50	MG/L	U
		FLUORIDE	0.1	28/02/90		0.5	MG/L	U

1990 Groundwater Quality Data
Solar Evaporation Ponds - Weathered Bedrock

Well Id	Analyte Group	Analyte	Background Exceedance Value	Sample Date	Detection Limit	Concentration	Unit	Lab Qualifier
P210089	Inorganics	NITRATE/NITRITE	3.43	02/28/90		170	MG/L	
		NITRATE/NITRITE	3.43	02/28/90		170	MG/L	
		NITRATE/NITRITE	3.43	08/15/90		160	MG/L	
		NITRATE/NITRITE	3.43	28/02/90		170	MG/L	
		NITRITE		08/15/90		0.01	MG/L	U
		PH	8.22	02/28/90		7.4	PHUNIT	
		PH	8.22	02/28/90		7.4	PHUNIT	
		PH	8.22	28/02/90		7.4	PHUNIT	
		PHOSPHATE		08/15/90		0.01	MG/L	U
		SULFATE	67.08	02/28/90		810	MG/L	
		SULFATE	67.08	02/28/90		810	MG/L	
		SULFATE	67.08	08/15/90		800	MG/L	
		SULFATE	67.08	28/02/90		810	MG/L	
		TOTAL DISSOLVED SOLIDS	388.76	02/28/90		4000	MG/L	
		TOTAL DISSOLVED SOLIDS	388.76	02/28/90		4000	MG/L	
		TOTAL DISSOLVED SOLIDS	388.76	08/15/90		3700	MG/L	
		TOTAL DISSOLVED SOLIDS	388.76	28/02/90		4000	MG/L	
		TOTAL SUSPENDED SOLIDS		08/15/90		6	MG/L	
P210089	Total Metals	ALUMINUM	0.327	02/28/90	10	84.0	UG/L	U
		ANTIMONY	0.5	02/28/90		31.7	UG/L	U
		ARSENIC	0.01	02/28/90	5	2.0	UG/L	U
		BARIUM	0.2	02/28/90		51.9	UG/L	
		BERYLLIUM	0.005	02/28/90		1.0	UG/L	U
		CADMIUM	0.011	02/28/90		3.0	UG/L	U
		CALCIUM	62.59	02/28/90	100	462000	UG/L	
		CESIUM	2.5	02/28/90	5	1000	UG/L	U
		CHROMIUM	0.02	02/28/90	5	2.0	UG/L	U
		COBALT	0.05	02/28/90		7.1	UG/L	U
		COPPER	0.048	02/28/90	10	12.1	UG/L	U
		IRON	0.944	02/28/90	5	44.0	UG/L	U
		LEAD	0.040	02/28/90	20	3.0	UG/L	U
		LITHIUM	1.79	02/28/90	5	402.1	UG/L	
		MAGNESIUM	16.09	02/28/90		135000	UG/L	
		MANGANESE	0.213	02/28/90	10	15.2	UG/L	
		MERCURY	0.0008	02/28/90		0.20	UG/L	U
		MOLYBDENUM	0.5	02/28/90	10	100	UG/L	U
		NICKEL	0.043	02/28/90		7.7	UG/L	
		POTASSIUM	11.3	02/28/90	10	9880	UG/L	
		SELENIUM	0.221	02/28/90	5	12.0	UG/L	
		SILVER	0.004	02/28/90	25	3	UG/L	U
		SILVER	0.004	02/28/90	25	3.0	UG/L	U
		SODIUM	46.74	02/28/90	10	35300	UG/L	
		STRONTIUM	7.12	02/28/90	10	4585	UG/L	
		THALLIUM	1	02/28/90		7.0	UG/L	
		TIN	1	02/28/90	10	144	UG/L	
		VANADIUM	0.05	02/28/90	5	47.1	UG/L	U

1990 Groundwater Quality Data
Solar Evaporation Ponds - Weathered Bedrock

Well Id	Analyte Group	Analyte	Background Exceedance Value	Sample Date	Detection Limit	Concentration	Unit	Lab Qualifier
P210089	Total Metals	ZINC	0.141	02/28/90	10	19.0	UG/L	U
P210089	Volatile Organics	1,1,1-TRICHLOROETHANE	5	02/27/90	5	5	UG/L	U
		1,1,1-TRICHLOROETHANE		02/28/90		5	UG/L	U
		1,1,1-TRICHLOROETHANE	5	06/05/90	5	5	UG/L	U
		1,1,1-TRICHLOROETHANE	5	10/26/90	5	5	UG/L	U
		1,1,2,2-TETRACHLOROETHANE	5	02/27/90	5	5	UG/L	U
		1,1,2,2-TETRACHLOROETHANE		02/28/90		5	UG/L	U
		1,1,2,2-TETRACHLOROETHANE	5	06/05/90	5	5	UG/L	U
		1,1,2,2-TETRACHLOROETHANE	5	10/26/90	5	5	UG/L	U
		1,1,2-TRICHLOROETHANE	5	02/27/90	5	5	UG/L	U
		1,1,2-TRICHLOROETHANE		02/28/90		5	UG/L	U
		1,1,2-TRICHLOROETHANE	5	06/05/90	5	5	UG/L	U
		1,1,2-TRICHLOROETHANE	5	10/26/90	5	5	UG/L	U
		1,1-DICHLOROETHANE	5	02/27/90	5	5	UG/L	U
		1,1-DICHLOROETHANE		02/28/90		5	UG/L	U
		1,1-DICHLOROETHANE	5	06/05/90	5	5	UG/L	U
		1,1-DICHLOROETHANE	5	10/26/90	5	5	UG/L	U
		1,1-DICHLOROETHENE	5	02/27/90	5	5	UG/L	U
		1,1-DICHLOROETHENE		02/28/90		5	UG/L	U
		1,1-DICHLOROETHENE	5	06/05/90	5	5	UG/L	U
		1,1-DICHLOROETHENE	5	10/26/90	5	5	UG/L	U
		1,2-DICHLOROETHANE	5	02/27/90	5	5	UG/L	U
		1,2-DICHLOROETHANE		02/28/90		5	UG/L	U
		1,2-DICHLOROETHANE	5	06/05/90	5	5	UG/L	U
		1,2-DICHLOROETHANE	5	10/26/90	5	5	UG/L	U
		1,2-DICHLOROETHENE (Total)	5	02/27/90	5	5	UG/L	U
		1,2-DICHLOROETHENE (Total)		02/28/90		5	UG/L	U
		1,2-DICHLOROETHENE (Total)	5	06/05/90	5	5	UG/L	U
		1,2-DICHLOROETHENE (Total)	5	10/26/90	5	5	UG/L	U
		1,2-DICHLOROPROPANE	5	02/27/90	5	5	UG/L	U
		1,2-DICHLOROPROPANE		02/28/90		5	UG/L	U
		1,2-DICHLOROPROPANE	5	06/05/90	5	5	UG/L	U
		1,2-DICHLOROPROPANE	5	10/26/90	5	5	UG/L	U
		2-BUTANONE	10	02/27/90	10	10	UG/L	U
		2-BUTANONE		02/28/90		10	UG/L	U
		2-BUTANONE	10	06/05/90	10	10	UG/L	U
		2-BUTANONE	10	10/26/90	10	10	UG/L	U
		2-HEXANONE	10	02/27/90	10	10	UG/L	U
		2-HEXANONE		02/28/90		10	UG/L	U
		2-HEXANONE	10	06/05/90	10	10	UG/L	U
		2-HEXANONE	10	10/26/90	10	10	UG/L	U
		4-METHYL-2-PENTANONE	10	02/27/90	10	10	UG/L	U
		4-METHYL-2-PENTANONE		02/28/90		10	UG/L	U
		4-METHYL-2-PENTANONE	10	06/05/90	10	10	UG/L	U
		4-METHYL-2-PENTANONE	10	10/26/90	10	10	UG/L	U
		ACETONE	10	02/27/90	10	10	UG/L	U

1990 Groundwater Quality Data
Solar Evaporation Ponds - Weathered Bedrock

Well Id	Analyte Group	Analyte	Background Exceedance Value	Sample Date	Detection Limit	Concentration	Unit	Lab Qualifier
P210089	Volatile Organics	ACETONE		02/28/90		10	UG/L	U
		ACETONE	10	06/05/90	10	10	UG/L	U
		ACETONE	10	10/26/90	10	10	UG/L	U
		ARSENIC	0.01	02/28/90	5	2	UG/L	U
		BENZENE	5	02/27/90	5	2	UG/L	J
		BENZENE		02/28/90		2	UG/L	J
		BENZENE	5	06/05/90	5	5	UG/L	U
		BENZENE	5	10/26/90	5	5	UG/L	U
		BROMODICHLOROMETHANE	5	02/27/90	5	5	UG/L	U
		BROMODICHLOROMETHANE		02/28/90		5	UG/L	U
		BROMODICHLOROMETHANE	5	06/05/90	5	5	UG/L	U
		BROMODICHLOROMETHANE	5	10/26/90	5	5	UG/L	U
		BROMOFORM	5	02/27/90	5	5	UG/L	U
		BROMOFORM		02/28/90		5	UG/L	U
		BROMOFORM	5	06/05/90	5	5	UG/L	U
		BROMOFORM	5	10/26/90	5	5	UG/L	U
		BROMOMETHANE	10	02/27/90	10	10	UG/L	U
		BROMOMETHANE		02/28/90		10	UG/L	U
		BROMOMETHANE	10	06/05/90	10	10	UG/L	U
		BROMOMETHANE	10	10/26/90	10	10	UG/L	U
		CARBON DISULFIDE	5	02/27/90	5	5	UG/L	U
		CARBON DISULFIDE		02/28/90		5	UG/L	U
		CARBON DISULFIDE	5	06/05/90	5	5	UG/L	U
		CARBON DISULFIDE	5	10/26/90	5	5	UG/L	U
		CARBON TETRACHLORIDE	5	02/27/90	5	5	UG/L	U
		CARBON TETRACHLORIDE		02/28/90		5	UG/L	U
		CARBON TETRACHLORIDE	5	06/05/90	5	5	UG/L	U
		CARBON TETRACHLORIDE	5	10/26/90	5	5	UG/L	U
		CHLOROBENZENE	5	02/27/90	5	2	UG/L	J
		CHLOROBENZENE		02/28/90		2	UG/L	J
		CHLOROBENZENE	5	06/05/90	5	5	UG/L	U
		CHLOROBENZENE	5	10/26/90	5	5	UG/L	U
		CHLOROETHANE	10	02/27/90	10	10	UG/L	U
		CHLOROETHANE		02/28/90		10	UG/L	U
		CHLOROETHANE	10	06/05/90	10	10	UG/L	U
		CHLOROETHANE	10	10/26/90	10	10	UG/L	U
		CHLOROFORM	5	02/27/90	5	5	UG/L	U
		CHLOROFORM		02/28/90		5	UG/L	U
		CHLOROFORM	5	06/05/90	5	5	UG/L	U
		CHLOROFORM	5	10/26/90	5	5	UG/L	U
		CHLOROMETHANE	10	02/27/90	10	10	UG/L	U
		CHLOROMETHANE		02/28/90		10	UG/L	U
		CHLOROMETHANE	10	06/05/90	10	10	UG/L	U
		CHLOROMETHANE	10	10/26/90	10	10	UG/L	U
		COPPER	0.048	02/28/90	10	12.1	UG/L	U
		DIBROMOCHLOROMETHANE	5	02/27/90	5	5	UG/L	U

1990 Groundwater Quality Data
Solar Evaporation Ponds - Weathered Bedrock

Well Id	Analyte Group	Analyte	Background Exceedance Value	Sample Date	Detection Limit	Concentration	Unit	Lab Qualifier
P210089	Volatile Organics	DIBROMOCHLOROMETHANE		02/28/90		5	UG/L	U
		DIBROMOCHLOROMETHANE	5	06/05/90	5	5	UG/L	U
		DIBROMOCHLOROMETHANE	5	10/26/90	5	5	UG/L	U
		ETHYLBENZENE	5	02/27/90	5	5	UG/L	U
		ETHYLBENZENE		02/28/90		5	UG/L	U
		ETHYLBENZENE	5	06/05/90	5	5	UG/L	U
		ETHYLBENZENE	5	10/26/90	5	5	UG/L	U
		METHYLENE CHLORIDE	5	02/27/90	5	5	UG/L	U
		METHYLENE CHLORIDE		02/28/90		5	UG/L	U
		METHYLENE CHLORIDE	5	06/05/90	5	5	UG/L	U
		METHYLENE CHLORIDE	5	10/26/90	5	1	UG/L	B
		STYRENE	5	02/27/90	5	5	UG/L	U
		STYRENE		02/28/90		5	UG/L	U
		STYRENE	5	06/05/90	5	5	UG/L	U
		STYRENE	5	10/26/90	5	5	UG/L	U
		TETRACHLOROETHENE	5	02/27/90	5	5	UG/L	U
		TETRACHLOROETHENE		02/28/90		5	UG/L	U
		TETRACHLOROETHENE	5	06/05/90	5	5	UG/L	U
		TETRACHLOROETHENE	5	10/26/90	5	5	UG/L	U
		TOLUENE	5	02/27/90	5	1	UG/L	J
		TOLUENE		02/28/90		1	UG/L	J
		TOLUENE	5	06/05/90	5	5	UG/L	U
		TOLUENE	5	10/26/90	5	5	UG/L	U
		TOTAL XYLENES		02/28/90		5	UG/L	U
		TRICHLOROETHENE	5	02/27/90	5	1	UG/L	J
		TRICHLOROETHENE		02/28/90		1	UG/L	J
		TRICHLOROETHENE	5	06/05/90	5	5	UG/L	U
		TRICHLOROETHENE	5	10/26/90	5	5	UG/L	U
		VINYL ACETATE	10	02/27/90	10	10	UG/L	U
		VINYL ACETATE		02/28/90		10	UG/L	U
		VINYL ACETATE	10	06/05/90	10	10	UG/L	U
		VINYL ACETATE	10	10/26/90	10	10	UG/L	U
		VINYL CHLORIDE	10	02/27/90	10	10	UG/L	U
		VINYL CHLORIDE		02/28/90		10	UG/L	U
		VINYL CHLORIDE	10	06/05/90	10	10	UG/L	U
		VINYL CHLORIDE	10	10/26/90	10	10	UG/L	U
		XYLENES (TOTAL)	5	02/27/90	5	5	UG/L	U
		XYLENES (TOTAL)	5	06/05/90	5	5	UG/L	U
		XYLENES (TOTAL)	5	10/26/90	5	5	UG/L	U
		cis-1,3-DICHLOROPROPENE	5	02/27/90	5	5	UG/L	U
		cis-1,3-DICHLOROPROPENE		02/28/90		5	UG/L	U
		cis-1,3-DICHLOROPROPENE	5	06/05/90	5	5	UG/L	U
		cis-1,3-DICHLOROPROPENE	5	10/26/90	5	5	UG/L	U
		trans-1,3-DICHLOROPROPENE	5	02/27/90	5	5	UG/L	U
		trans-1,3-DICHLOROPROPENE		02/28/90		5	UG/L	U
		trans-1,3-DICHLOROPROPENE	5	06/05/90	5	5	UG/L	U

1990 Groundwater Quality Data
Solar Evaporation Ponds - Weathered Bedrock

Well Id	Analyte Group	Analyte	Background Exceedance Value	Sample Date	Detection Limit	Concentration	Unit	Lab Qualifier
P210089	Volatile Organics	trans-1,3-DICHLOROPROPENE	5	10/26/90	5	5	UG/L	U
P210189	Inorganics	CARBONATE	5	01/03/90		5	MG/L	U
		CARBONATE	5	03/01/90		5	MG/L	U
		CARBONATE	5	03/01/90		5	MG/L	U
		CARBONATE	5	06/08/90	2.0	2.0	MG/L	U
		CARBONATE	5	06/08/90	2.0	2.0	MG/L	U
		CARBONATE, HYDROGEN	249.35	01/03/90		340	MG/L	
		CARBONATE, HYDROGEN	249.35	03/01/90		340	MG/L	
		CARBONATE, HYDROGEN	249.35	03/01/90		330	MG/L	
		CARBONATE, HYDROGEN	249.35	06/08/90	2.0	280	MG/L	
		CARBONATE, HYDROGEN	249.35	06/08/90	2.0	280	MG/L	
		CARBONATE, HYDROGEN	249.35	08/17/90	1.0	280	MG/L	
		CARBONATE, HYDROGEN	249.35	08/17/90	1.0	270	MG/L	
		CARBONATE, HYDROGEN	249.35	08/17/90	1.0	4	MG/L	
		CARBONATE, HYDROGEN	249.35	08/17/90	1.0	2	MG/L	
		CHLORIDE (North)	10.67	01/03/90		54	MG/L	
		CHLORIDE (North)	10.67	03/01/90		54	MG/L	
		CHLORIDE (North)	10.67	03/01/90		49	MG/L	
		CHLORIDE (North)	10.67	06/08/90	5.0	49.6	MG/L	
		CHLORIDE (North)	10.67	06/08/90	5.0	50.2	MG/L	
		CHLORIDE (North)	10.67	08/17/90		51	MG/L	
		CHLORIDE (North)	10.67	08/17/90		50	MG/L	
		CHLORIDE (North)	10.67	08/17/90		0.7	MG/L	
		CHLORIDE (North)	10.67	08/17/90		1.0	MG/L	
		CYANIDE	0.01	06/08/90	10	10.0	UG/L	U
		CYANIDE	0.01	06/08/90	10	10.0	UG/L	U
		CYANIDE	0.01	06/08/90	10	16.7	UG/L	U
		FLUORIDE	0.1	01/03/90		0.8	MG/L	
		FLUORIDE	0.1	03/01/90		0.8	MG/L	
		FLUORIDE	0.1	03/01/90		0.7	MG/L	
		FLUORIDE	0.1	06/08/90		0.66	MG/L	
		FLUORIDE	0.1	06/08/90		0.65	MG/L	
		FLUORIDE	0.1	08/17/90		0.6	MG/L	
		FLUORIDE	0.1	08/17/90		0.7	MG/L	
		FLUORIDE	0.1	08/17/90		0.1	MG/L	U
		FLUORIDE	0.1	08/17/90		0.1	MG/L	U
		NITRATE/NITRITE	3.43	01/03/90		29	MG/L	
		NITRATE/NITRITE	3.43	03/01/90		29	MG/L	
		NITRATE/NITRITE	3.43	03/01/90		28	MG/L	
		NITRATE/NITRITE	3.43	06/08/90		29.0	MG/L	
		NITRATE/NITRITE	3.43	06/08/90		29.5	MG/L	
		NITRATE/NITRITE	3.43	08/17/90		22	MG/L	
		NITRATE/NITRITE	3.43	08/17/90		22	MG/L	
		NITRATE/NITRITE	3.43	08/17/90		0.02	MG/L	U
		NITRATE/NITRITE	3.43	08/17/90		0.02	MG/L	U
		NITRITE		06/08/90		0.15	MG/L	J

1990 Groundwater Quality Data
Solar Evaporation Ponds - Weathered Bedrock

Well Id	Analyte Group	Analyte	Background Exceedance Value	Sample Date	Detection Limit	Concentration	Unit	Lab Qualifier
P210189	Inorganics	NITRITE		06/08/90		0.15	MG/L	J
		NITRITE		08/17/90		0.09	MG/L	
		NITRITE		08/17/90		0.07	MG/L	
		NITRITE		08/17/90		0.02	MG/L	U
		NITRITE		08/17/90		0.02	MG/L	U
		PH	8.22	01/03/90		7.3	PHUNIT	
		PH	8.22	03/01/90		7.3	PHUNIT	
		PH	8.22	03/01/90		7.5	PHUNIT	
		PHOSPHATE		06/08/90		0.058	MG/L	
		PHOSPHATE		06/08/90		0.065	MG/L	
		PHOSPHATE		08/17/90		0.05	MG/L	
		PHOSPHATE		08/17/90		0.06	MG/L	
		PHOSPHATE		08/17/90		0.01	MG/L	U
		PHOSPHATE		08/17/90		0.01	MG/L	U
		SILICA, DISSOLVED		08/17/90		7.1	MG/L	
		SILICA, DISSOLVED		08/17/90		7.1	MG/L	
		SILICA, DISSOLVED		08/17/90		0.4	MG/L	U
		SILICA, DISSOLVED		08/17/90		0.4	MG/L	U
		SULFATE	67.08	01/03/90		36	MG/L	
		SULFATE	67.08	03/01/90		36	MG/L	
		SULFATE	67.08	03/01/90		35	MG/L	
		SULFATE	67.08	06/08/90	5.0	43.6	MG/L	
		SULFATE	67.08	06/08/90	5.0	41.7	MG/L	
		SULFATE	67.08	08/17/90	2.0	39	MG/L	
		SULFATE	67.08	08/17/90	2.0	39	MG/L	
		SULFATE	67.08	08/17/90	2.0	2	MG/L	U
		SULFATE	67.08	08/17/90	2.0	2	MG/L	U
		TOTAL DISSOLVED SOLIDS	388.76	01/03/90		590	MG/L	
		TOTAL DISSOLVED SOLIDS	388.76	03/01/90		590	MG/L	
		TOTAL DISSOLVED SOLIDS	388.76	03/01/90		590	MG/L	
		TOTAL DISSOLVED SOLIDS	388.76	06/08/90	10.0	607	MG/L	
		TOTAL DISSOLVED SOLIDS	388.76	06/08/90	10.0	602	MG/L	
		TOTAL DISSOLVED SOLIDS	388.76	08/17/90	10.0	620	MG/L	
		TOTAL DISSOLVED SOLIDS	388.76	08/17/90	10.0	620	MG/L	
		TOTAL DISSOLVED SOLIDS	388.76	08/17/90	10.0	10	MG/L	U
		TOTAL DISSOLVED SOLIDS	388.76	08/17/90	10.0	10	MG/L	U
		TOTAL SUSPENDED SOLIDS	5.0	06/08/90	5.0	5.0	MG/L	U
		TOTAL SUSPENDED SOLIDS	5.0	06/08/90	5.0	6.0	MG/L	
		TOTAL SUSPENDED SOLIDS	4.0	08/17/90	4.0	38	MG/L	
		TOTAL SUSPENDED SOLIDS	4.0	08/17/90	4.0	77	MG/L	
		TOTAL SUSPENDED SOLIDS	4.0	08/17/90	4.0	4	MG/L	U
		TOTAL SUSPENDED SOLIDS	4.0	08/17/90	4.0	4	MG/L	U
P210189	Total Metals	CYANIDE	0.01	08/17/90	10	1.50	UG/L	U
		CYANIDE	0.01	08/17/90	10	1.50	UG/L	U
		CYANIDE	0.01	08/17/90	10	1.50	UG/L	U
		CYANIDE	0.01	08/17/90	10	1.50	UG/L	U

1990 Groundwater Quality Data
Solar Evaporation Ponds - Weathered Bedrock

Well Id	Analyte Group	Analyte	Background Exceedance Value	Sample Date	Detection Limit	Concentration	Unit	Lab Qualifier
P210189	Total Metals	CYANIDE	0.01	08/17/90	10	1.50	UG/L	U
		CYANIDE	0.01	08/17/90	10	1.50	UG/L	U
P210189	Dissolved Metals	ALUMINUM	0.327	08/17/90	200	47.60	UG/L	B
		ALUMINUM	0.327	08/17/90	200	45.80	UG/L	B
		ALUMINUM	0.327	08/17/90	200	5.00	UG/L	U
		ALUMINUM	0.327	08/17/90	200	5.00	UG/L	U
		ALUMINUM	0.327	08/17/90	200	55.70	UG/L	B
		ALUMINUM	0.327	08/17/90	200	46.00	UG/L	B
		ANTIMONY	0.5	08/17/90	60	10.00	UG/L	U
		ANTIMONY	0.5	08/17/90	60	12.10	UG/L	B
		ANTIMONY	0.5	08/17/90	60	10.00	UG/L	U
		ANTIMONY	0.5	08/17/90	60	10.00	UG/L	U
		ANTIMONY	0.5	08/17/90	60	14.60	UG/L	B
		ANTIMONY	0.5	08/17/90	60	17.20	UG/L	B
		ARSENIC	0.01	08/17/90	10	1.00	UG/L	U
		ARSENIC	0.01	08/17/90	10	1.00	UG/L	U
		ARSENIC	0.01	08/17/90	10	1.00	UG/L	U
		ARSENIC	0.01	08/17/90	10	1.00	UG/L	U
		ARSENIC	0.01	08/17/90	10	1.00	UG/L	B
		ARSENIC	0.01	08/17/90	10	1.00	UG/L	U
		BARIUM	0.2	08/17/90	200	183.00	UG/L	B
		BARIUM	0.2	08/17/90	200	171.00	UG/L	B
		BARIUM	0.2	08/17/90	200	1.00	UG/L	U
		BARIUM	0.2	08/17/90	200	1.00	UG/L	U
		BARIUM	0.2	08/17/90	200	167.00	UG/L	B
		BARIUM	0.2	08/17/90	200	164.00	UG/L	B
		BERYLLIUM	0.005	08/17/90	5	1.00	UG/L	U
		BERYLLIUM	0.005	08/17/90	5	1.00	UG/L	U
		BERYLLIUM	0.005	08/17/90	5	1.00	UG/L	U
		BERYLLIUM	0.005	08/17/90	5	1.00	UG/L	U
		BERYLLIUM	0.005	08/17/90	5	1.00	UG/L	U
		BERYLLIUM	0.005	08/17/90	5	1.00	UG/L	U
		CADMIUM	0.011	08/17/90	5	2.00	UG/L	U
		CADMIUM	0.011	08/17/90	5	2.00	UG/L	U
		CADMIUM	0.011	08/17/90	5	2.00	UG/L	U
		CADMIUM	0.011	08/17/90	5	2.00	UG/L	U
		CADMIUM	0.011	08/17/90	5	2.00	UG/L	U
		CADMIUM	0.011	08/17/90	5	2.00	UG/L	U
		CALCIUM	62.59	08/17/90	5000	126000.00	UG/L	
		CALCIUM	62.59	08/17/90	5000	121000.00	UG/L	
		CALCIUM	62.59	08/17/90	5000	45.30	UG/L	B
		CALCIUM	62.59	08/17/90	5000	4.00	UG/L	U
		CALCIUM	62.59	08/17/90	5000	122000.00	UG/L	
		CALCIUM	62.59	08/17/90	5000	121000.00	UG/L	
		CESIUM	2.5	08/17/90	1000	147.00	UG/L	U
		CESIUM	2.5	08/17/90	1000	147.00	UG/L	U

1990 Groundwater Quality Data
Solar Evaporation Ponds - Weathered Bedrock

Well Id	Analyte Group	Analyte	Background Exceedance Value	Sample Date	Detection Limit	Concentration	Unit	Lab Qualifier
P210189	Dissolved Metals	CESIUM	2.5	08/17/90	1000	147.00	UG/L	U
		CESIUM	2.5	08/17/90	1000	147.00	UG/L	U
		CESIUM	2.5	08/17/90	1000	147.00	UG/L	U
		CESIUM	2.5	08/17/90	1000	147.00	UG/L	U
		CHROMIUM	0.02	08/17/90	10	8.90	UG/L	B
		CHROMIUM	0.02	08/17/90	10	7.90	UG/L	B
		CHROMIUM	0.02	08/17/90	10	6.00	UG/L	U
		CHROMIUM	0.02	08/17/90	10	6.00	UG/L	U
		CHROMIUM	0.02	08/17/90	10	6.90	UG/L	B
		CHROMIUM	0.02	08/17/90	10	7.50	UG/L	B
		COBALT	0.05	08/17/90	50	4.00	UG/L	U
		COBALT	0.05	08/17/90	50	4.00	UG/L	U
		COBALT	0.05	08/17/90	50	4.00	UG/L	U
		COBALT	0.05	08/17/90	50	4.00	UG/L	U
		COBALT	0.05	08/17/90	50	4.00	UG/L	U
		COBALT	0.05	08/17/90	50	4.00	UG/L	U
		COPPER	0.048	08/17/90	25	3.00	UG/L	U
		COPPER	0.048	08/17/90	25	3.00	UG/L	U
		COPPER	0.048	08/17/90	25	3.00	UG/L	U
		COPPER	0.048	08/17/90	25	3.00	UG/L	U
		COPPER	0.048	08/17/90	25	4.50	UG/L	B
		COPPER	0.048	08/17/90	25	3.00	UG/L	U
		IRON	0.944	08/17/90	100	13.00	UG/L	U
		IRON	0.944	08/17/90	100	13.00	UG/L	U
		IRON	0.944	08/17/90	100	13.00	UG/L	U
		IRON	0.944	08/17/90	100	13.00	UG/L	U
		IRON	0.944	08/17/90	100	13.00	UG/L	U
		IRON	0.944	08/17/90	100	13.00	UG/L	U
		LEAD	0.040	08/17/90	3	1.00	UG/L	U
		LEAD	0.040	08/17/90	3	1.00	UG/L	U
		LEAD	0.040	08/17/90	3	1.00	UG/L	U
		LEAD	0.040	08/17/90	3	1.00	UG/L	U
		LEAD	0.040	08/17/90	3	1.00	UG/L	U
		LEAD	0.040	08/17/90	3	1.00	UG/L	U
		LITHIUM	1.79	08/17/90	100	30.90	UG/L	B
		LITHIUM	1.79	08/17/90	100	30.50	UG/L	B
		LITHIUM	1.79	08/17/90	100	6.10	UG/L	B
		LITHIUM	1.79	08/17/90	100	6.10	UG/L	B
		LITHIUM	1.79	08/17/90	100	31.20	UG/L	B
		LITHIUM	1.79	08/17/90	100	30.80	UG/L	B
		MAGNESIUM	16.09	08/17/90	5000	18300.00	UG/L	
		MAGNESIUM	16.09	08/17/90	5000	17600.00	UG/L	
		MAGNESIUM	16.09	08/17/90	5000	11.00	UG/L	U
		MAGNESIUM	16.09	08/17/90	5000	11.00	UG/L	U
		MAGNESIUM	16.09	08/17/90	5000	17700.00	UG/L	
		MAGNESIUM	16.09	08/17/90	5000	17300.00	UG/L	

1990 Groundwater Quality Data
Solar Evaporation Ponds - Weathered Bedrock

Well Id	Analyte Group	Analyte	Background Exceedance Value	Sample Date	Detection Limit	Concentration	Unit	Lab Qualifier
P210189	Dissolved Metals	MANGANESE	0.213	08/17/90	15	23.70	UG/L	
		MANGANESE	0.213	08/17/90	15	21.50	UG/L	
		MANGANESE	0.213	08/17/90	15	1.60	UG/L	B
		MANGANESE	0.213	08/17/90	15	1.00	UG/L	U
		MANGANESE	0.213	08/17/90	15	20.60	UG/L	
		MANGANESE	0.213	08/17/90	15	20.60	UG/L	
		MERCURY	0.0008	08/17/90	0	0.20	UG/L	U
		MERCURY	0.0008	08/17/90	0	0.20	UG/L	U
		MERCURY	0.0008	08/17/90	0	0.20	UG/L	U
		MERCURY	0.0008	08/17/90	0	0.20	UG/L	U
		MERCURY	0.0008	08/17/90	0	0.20	UG/L	U
		MERCURY	0.0008	08/17/90	0	0.48	UG/L	
		MOLYBDENUM	0.5	08/17/90	200	2.10	UG/L	B
		MOLYBDENUM	0.5	08/17/90	200	2.00	UG/L	U
		MOLYBDENUM	0.5	08/17/90	200	2.00	UG/L	U
		MOLYBDENUM	0.5	08/17/90	200	2.00	UG/L	U
		MOLYBDENUM	0.5	08/17/90	200	5.40	UG/L	B
		MOLYBDENUM	0.5	08/17/90	200	3.40	UG/L	B
		NICKEL	0.043	08/17/90	40	4.00	UG/L	U
		NICKEL	0.043	08/17/90	40	4.00	UG/L	U
		NICKEL	0.043	08/17/90	40	4.00	UG/L	U
		NICKEL	0.043	08/17/90	40	4.00	UG/L	U
		NICKEL	0.043	08/17/90	40	4.00	UG/L	U
		NICKEL	0.043	08/17/90	40	4.00	UG/L	U
		POTASSIUM	11.3	08/17/90	5000	1490.00	UG/L	B
		POTASSIUM	11.3	08/17/90	5000	1400.00	UG/L	B
		POTASSIUM	11.3	08/17/90	5000	68.00	UG/L	U
		POTASSIUM	11.3	08/17/90	5000	68.00	UG/L	U
		POTASSIUM	11.3	08/17/90	5000	1510.00	UG/L	B
		POTASSIUM	11.3	08/17/90	5000	1440.00	UG/L	B
		SELENIUM	0.221	08/17/90	5	2.00	UG/L	U
		SELENIUM	0.221	08/17/90	5	2.00	UG/L	U
		SELENIUM	0.221	08/17/90	5	2.00	UG/L	U
		SELENIUM	0.221	08/17/90	5	2.00	UG/L	U
		SELENIUM	0.221	08/17/90	5	2.00	UG/L	U
		SELENIUM	0.221	08/17/90	5	2.00	UG/L	U
		SILVER	0.004	08/17/90	10	3.00	UG/L	B
		SILVER	0.004	08/17/90	10	2.00	UG/L	U
		SILVER	0.004	08/17/90	10	2.00	UG/L	U
		SILVER	0.004	08/17/90	10	2.00	UG/L	U
		SILVER	0.004	08/17/90	10	2.00	UG/L	U
		SILVER	0.004	08/17/90	10	2.60	UG/L	B
		SODIUM	46.74	08/17/90	5000	56000.00	UG/L	
		SODIUM	46.74	08/17/90	5000	54200.00	UG/L	
		SODIUM	46.74	08/17/90	5000	114.00	UG/L	B
		SODIUM	46.74	08/17/90	5000	52.80	UG/L	B

1990 Groundwater Quality Data
Solar Evaporation Ponds - Weathered Bedrock

Well Id	Analyte Group	Analyte	Background Exceedance Value	Sample Date	Detection Limit	Concentration	Unit	Lab Qualifier
P210189	Dissolved Metals	SODIUM	46.74	08/17/90	5000	57200.00	UG/L	
		SODIUM	46.74	08/17/90	5000	55600.00	UG/L	
		STRONTIUM	7.12	08/17/90	200	541.00	UG/L	
		STRONTIUM	7.12	08/17/90	200	523.00	UG/L	
		STRONTIUM	7.12	08/17/90	200	1.00	UG/L	U
		STRONTIUM	7.12	08/17/90	200	1.00	UG/L	U
		STRONTIUM	7.12	08/17/90	200	530.00	UG/L	
		STRONTIUM	7.12	08/17/90	200	517.00	UG/L	
		THALLIUM	1	08/17/90	10	1.00	UG/L	U
		THALLIUM	1	08/17/90	10	1.00	UG/L	U
		THALLIUM	1	08/17/90	10	1.00	UG/L	U
		THALLIUM	1	08/17/90	10	1.00	UG/L	U
		THALLIUM	1	08/17/90	10	1.00	UG/L	U
		THALLIUM	1	08/17/90	10	1.00	UG/L	U
		TIN	1	08/17/90	200	18.00	UG/L	B
		TIN	1	08/17/90	200	24.00	UG/L	B
		TIN	1	08/17/90	200	11.00	UG/L	U
		TIN	1	08/17/90	200	11.00	UG/L	U
		TIN	1	08/17/90	200	18.40	UG/L	B
		TIN	1	08/17/90	200	23.60	UG/L	B
		VANADIUM	0.05	08/17/90	50	6.60	UG/L	B
		VANADIUM	0.05	08/17/90	50	6.10	UG/L	B
		VANADIUM	0.05	08/17/90	50	3.00	UG/L	U
		VANADIUM	0.05	08/17/90	50	3.00	UG/L	U
		VANADIUM	0.05	08/17/90	50	5.50	UG/L	B
		VANADIUM	0.05	08/17/90	50	6.30	UG/L	B
		ZINC	0.141	08/17/90	20	5.90	UG/L	B
		ZINC	0.141	08/17/90	20	3.10	UG/L	B
		ZINC	0.141	08/17/90	20	6.10	UG/L	B
		ZINC	0.141	08/17/90	20	2.00	UG/L	U
		ZINC	0.141	08/17/90	20	4.50	UG/L	B
		ZINC	0.141	08/17/90	20	3.10	UG/L	B
P210189	Total Radionuclides	AMERICIUM-241	0.0167	03/01/90		7.606	PCI/L	
		AMERICIUM-241	0.0167	03/01/90		1.035	PCI/L	
		CESIUM-137	0.506	03/01/90		6.14	PCI/L	
		CESIUM-137	0.506	03/01/90		1.792	PCI/L	
		GROSS ALPHA - PARTICULATE	55.07	03/01/90	3.03	1.821	PCI/L	
		GROSS ALPHA - PARTICULATE	55.07	03/01/90	3.1	4.963	PCI/L	
		PLUTONIUM-239,240	0.015	03/01/90		-1.642	PCI/L	
		PLUTONIUM-239,240	0.015	03/01/90		2.721	PCI/L	
		STRONTIUM-90		03/01/90		1.421	PCI/L	
		STRONTIUM-90		03/01/90		-5.843	PCI/L	
		URANIUM-233,234	0.1+/-.1	03/01/90		2.43	PCI/L	
		URANIUM-233,234	0.1+/-.1	03/01/90		2.53	PCI/L	
		URANIUM-235,236		03/01/90		9.282	PCI/L	
		URANIUM-238	25.57	03/01/90		1.953	PCI/L	

1990 Groundwater Quality Data
Solar Evaporation Ponds - Weathered Bedrock

Well Id	Analyte Group	Analyte	Background Exceedance Value	Sample Date	Detection Limit	Concentration	Unit	Lab Qualifier
P210189	Total Radionuclides	URANIUM-238	25.57	03/01/90		1.917	PCI/L	
P210189	Volatile Organics	1,1,1-TRICHLOROETHANE		03/01/90		120	UG/L	U
		1,1,1-TRICHLOROETHANE	5	06/08/90	5	5	UG/L	U
		1,1,1-TRICHLOROETHANE	5	06/08/90	5	5	UG/L	U
		1,1,1-TRICHLOROETHANE	5	08/17/90	5	100	UG/L	U
		1,1,1-TRICHLOROETHANE	5	08/17/90	5	5	UG/L	U
		1,1,1-TRICHLOROETHANE	5	08/17/90	5	500	UG/L	U
		1,1,1-TRICHLOROETHANE	5	08/17/90	5	5	UG/L	U
		1,1,1-TRICHLOROETHANE	5	08/17/90	5	500	UG/L	U
		1,1,1-TRICHLOROETHANE	5	08/17/90	5	5	UG/L	U
		1,1,1-TRICHLOROETHANE	5	08/17/90	5	5	UG/L	U
		1,1,1-TRICHLOROETHANE	5	08/17/90	5	5	UG/L	U
		1,1,1-TRICHLOROETHANE	5	08/17/90	5	500	UG/L	U
		1,1,1-TRICHLOROETHANE	5	08/17/90	5	5	UG/L	U
		1,1,1-TRICHLOROETHANE	5	08/17/90	5	500	UG/L	U
		1,1,2,2-TETRACHLOROETHANE		03/01/90		120	UG/L	U
		1,1,2,2-TETRACHLOROETHANE	5	06/08/90	5	5	UG/L	U
		1,1,2,2-TETRACHLOROETHANE	5	06/08/90	5	5	UG/L	U
		1,1,2,2-TETRACHLOROETHANE	5	08/17/90	5	100	UG/L	U
		1,1,2,2-TETRACHLOROETHANE	5	08/17/90	5	5	UG/L	U
		1,1,2,2-TETRACHLOROETHANE	5	08/17/90	5	500	UG/L	U
		1,1,2,2-TETRACHLOROETHANE	5	08/17/90	5	5	UG/L	U
		1,1,2,2-TETRACHLOROETHANE	5	08/17/90	5	500	UG/L	U
		1,1,2,2-TETRACHLOROETHANE	5	08/17/90	5	5	UG/L	U
		1,1,2,2-TETRACHLOROETHANE	5	08/17/90	5	5	UG/L	U
		1,1,2,2-TETRACHLOROETHANE	5	08/17/90	5	5	UG/L	U
		1,1,2,2-TETRACHLOROETHANE	5	08/17/90	5	500	UG/L	U
		1,1,2,2-TETRACHLOROETHANE	5	08/17/90	5	5	UG/L	U
		1,1,2,2-TETRACHLOROETHANE	5	08/17/90	5	500	UG/L	U
		1,1,2-TRICHLOROETHANE		03/01/90		120	UG/L	U
		1,1,2-TRICHLOROETHANE	5	06/08/90	5	5	UG/L	U
		1,1,2-TRICHLOROETHANE	5	06/08/90	5	5	UG/L	U
		1,1,2-TRICHLOROETHANE	5	08/17/90	5	100	UG/L	U
		1,1,2-TRICHLOROETHANE	5	08/17/90	5	5	UG/L	U
		1,1,2-TRICHLOROETHANE	5	08/17/90	5	500	UG/L	U
		1,1,2-TRICHLOROETHANE	5	08/17/90	5	5	UG/L	U
		1,1,2-TRICHLOROETHANE	5	08/17/90	5	500	UG/L	U
		1,1,2-TRICHLOROETHANE	5	08/17/90	5	5	UG/L	U
		1,1,2-TRICHLOROETHANE	5	08/17/90	5	1	UG/L	
		1,1,2-TRICHLOROETHANE	5	08/17/90	5	1	UG/L	J
		1,1,2-TRICHLOROETHANE	5	08/17/90	5	5	UG/L	U
		1,1,2-TRICHLOROETHANE	5	08/17/90	5	500	UG/L	U
		1,1,2-TRICHLOROETHANE	5	08/17/90	5	5	UG/L	U
		1,1,2-TRICHLOROETHANE	5	08/17/90	5	500	UG/L	U
		1,1-DICHLOROETHANE		03/01/90		120	UG/L	U
		1,1-DICHLOROETHANE	5	06/08/90	5	1	UG/L	J

1990 Groundwater Quality Data
Solar Evaporation Ponds - Weathered Bedrock

Well Id	Analyte Group	Analyte	Background Exceedance Value	Sample Date	Detection Limit	Concentration	Unit	Lab Qualifier
P210189	Volatile Organics	1,1-DICHLOROETHANE	5	06/08/90	5	5	UG/L	U
		1,1-DICHLOROETHANE	5	08/17/90	5	100	UG/L	U
		1,1-DICHLOROETHANE	5	08/17/90	5	5	UG/L	U
		1,1-DICHLOROETHANE	5	08/17/90	5	500	UG/L	U
		1,1-DICHLOROETHANE	5	08/17/90	5	5	UG/L	U
		1,1-DICHLOROETHANE	5	08/17/90	5	500	UG/L	U
		1,1-DICHLOROETHANE	5	08/17/90	5	5	UG/L	U
		1,1-DICHLOROETHANE	5	08/17/90	5	5	UG/L	U
		1,1-DICHLOROETHANE	5	08/17/90	5	5	UG/L	U
		1,1-DICHLOROETHANE	5	08/17/90	5	500	UG/L	U
		1,1-DICHLOROETHANE	5	08/17/90	5	5	UG/L	U
		1,1-DICHLOROETHANE	5	08/17/90	5	500	UG/L	U
		1,1-DICHLOROETHENE		03/01/90		120	UG/L	U
		1,1-DICHLOROETHENE	5	06/08/90	5	9	UG/L	
		1,1-DICHLOROETHENE	5	06/08/90	5	8	UG/L	
		1,1-DICHLOROETHENE	5	08/17/90	5	100	UG/L	U
		1,1-DICHLOROETHENE	5	08/17/90	5	500	UG/L	U
		1,1-DICHLOROETHENE	5	08/17/90	5	8	UG/L	
		1,1-DICHLOROETHENE	5	08/17/90	5	500	UG/L	U
		1,1-DICHLOROETHENE	5	08/17/90	5	8	UG/L	
		1,1-DICHLOROETHENE	5	08/17/90	5	5	UG/L	U
		1,1-DICHLOROETHENE	5	08/17/90	5	5	UG/L	U
		1,1-DICHLOROETHENE	5	08/17/90	5	500	UG/L	U
		1,1-DICHLOROETHENE	5	08/17/90	5	6	UG/L	
		1,1-DICHLOROETHENE	5	08/17/90	5	500	UG/L	U
		1,1-DICHLOROETHENE	5	08/17/90	5	7	UG/L	
		1,2-DICHLOROETHANE		03/01/90		120	UG/L	U
		1,2-DICHLOROETHANE	5	06/08/90	5	5	UG/L	U
		1,2-DICHLOROETHANE	5	06/08/90	5	5	UG/L	U
		1,2-DICHLOROETHANE	5	08/17/90	5	100	UG/L	U
		1,2-DICHLOROETHANE	5	08/17/90	5	3	UG/L	
		1,2-DICHLOROETHANE	5	08/17/90	5	3	UG/L	J
		1,2-DICHLOROETHANE	5	08/17/90	5	500	UG/L	U
		1,2-DICHLOROETHANE	5	08/17/90	5	3	UG/L	J
		1,2-DICHLOROETHANE	5	08/17/90	5	500	UG/L	U
		1,2-DICHLOROETHANE	5	08/17/90	5	5	UG/L	U
		1,2-DICHLOROETHANE	5	08/17/90	5	1	UG/L	
		1,2-DICHLOROETHANE	5	08/17/90	5	1	UG/L	J
		1,2-DICHLOROETHANE	5	08/17/90	5	3	UG/L	J
		1,2-DICHLOROETHANE	5	08/17/90	5	500	UG/L	U
		1,2-DICHLOROETHANE	5	08/17/90	5	5	UG/L	U
		1,2-DICHLOROETHANE	5	08/17/90	5	500	UG/L	U
		1,2-DICHLOROETHENE (Total)		03/01/90		120	UG/L	
		1,2-DICHLOROETHENE (Total)	5	06/08/90	5	150	UG/L	
		1,2-DICHLOROETHENE (Total)	5	06/08/90	5	150	UG/L	
		1,2-DICHLOROETHYLENE	5	08/17/90	5	100	UG/L	

1990 Groundwater Quality Data
Solar Evaporation Ponds - Weathered Bedrock

Well Id	Analyte Group	Analyte	Background Exceedance Value	Sample Date	Detection Limit	Concentration	Unit	Lab Qualifier
P210189	Volatile Organics	1,2-DICHLOROETHYLENE	5	08/17/90	5	100	UG/L	D
		1,2-DICHLOROETHYLENE	5	08/17/90	5	120	UG/L	
		1,2-DICHLOROETHYLENE	5	08/17/90	5	120	UG/L	D
		1,2-DICHLOROETHYLENE	5	08/17/90	5	160	UG/L	
		1,2-DICHLOROETHYLENE	5	08/17/90	5	110	UG/L	
		1,2-DICHLOROETHYLENE	5	08/17/90	5	110	UG/L	D
		1,2-DICHLOROETHYLENE	5	08/17/90	5	160	UG/L	
		1,2-DICHLOROETHYLENE	5	08/17/90	5	5	UG/L	U
		1,2-DICHLOROETHYLENE	5	08/17/90	5	5	UG/L	U
		1,2-DICHLOROETHYLENE	5	08/17/90	5	120	UG/L	
		1,2-DICHLOROETHYLENE	5	08/17/90	5	140	UG/L	
		1,2-DICHLOROETHYLENE	5	08/17/90	5	140	UG/L	D
		1,2-DICHLOROETHYLENE	5	08/17/90	5	140	UG/L	
		1,2-DICHLOROETHYLENE	5	08/17/90	5	500	UG/L	U
		1,2-DICHLOROPROPANE		03/01/90		120	UG/L	U
		1,2-DICHLOROPROPANE	5	06/08/90	5	5	UG/L	U
		1,2-DICHLOROPROPANE	5	06/08/90	5	5	UG/L	U
		1,2-DICHLOROPROPANE	5	08/17/90	5	100	UG/L	U
		1,2-DICHLOROPROPANE	5	08/17/90	5	5	UG/L	U
		1,2-DICHLOROPROPANE	5	08/17/90	5	500	UG/L	U
		1,2-DICHLOROPROPANE	5	08/17/90	5	5	UG/L	U
		1,2-DICHLOROPROPANE	5	08/17/90	5	500	UG/L	U
		1,2-DICHLOROPROPANE	5	08/17/90	5	5	UG/L	U
		1,2-DICHLOROPROPANE	5	08/17/90	5	5	UG/L	U
		1,2-DICHLOROPROPANE	5	08/17/90	5	5	UG/L	U
		1,2-DICHLOROPROPANE	5	08/17/90	5	500	UG/L	U
		1,2-DICHLOROPROPANE	5	08/17/90	5	5	UG/L	U
		1,2-DICHLOROPROPANE	5	08/17/90	5	500	UG/L	U
		2-BUTANONE		03/01/90		250	UG/L	U
		2-BUTANONE	10	06/08/90	10	10	UG/L	U
		2-BUTANONE	10	06/08/90	10	10	UG/L	U
		2-BUTANONE	10	08/17/90	10	10	UG/L	U
		2-BUTANONE	10	08/17/90	10	1000	UG/L	U
		2-BUTANONE	10	08/17/90	10	200	UG/L	U
		2-BUTANONE	10	08/17/90	10	10	UG/L	U
		2-BUTANONE	10	08/17/90	10	1000	UG/L	U
		2-BUTANONE	10	08/17/90	10	10	UG/L	U
		2-BUTANONE	10	08/17/90	10	10	UG/L	U
		2-BUTANONE	10	08/17/90	10	10	UG/L	U
		2-BUTANONE	10	08/17/90	10	1000	UG/L	U
		2-BUTANONE	10	08/17/90	10	10	UG/L	U
		2-BUTANONE	10	08/17/90	10	1000	UG/L	U
		2-HEXANONE		03/01/90		250	UG/L	U
		2-HEXANONE	10	06/08/90	10	10	UG/L	U
		2-HEXANONE	10	06/08/90	10	10	UG/L	U
		2-HEXANONE	10	08/17/90	10	10	UG/L	U

1990 Groundwater Quality Data
Solar Evaporation Ponds - Weathered Bedrock

Well Id	Analyte Group	Analyte	Background Exceedance Value	Sample Date	Detection Limit	Concentration	Unit	Lab Qualifier
P210189	Volatile Organics	2-HEXANONE	10	08/17/90	10	1000	UG/L	U
		2-HEXANONE	10	08/17/90	10	200	UG/L	U
		2-HEXANONE	10	08/17/90	10	10	UG/L	U
		2-HEXANONE	10	08/17/90	10	1000	UG/L	U
		2-HEXANONE	10	08/17/90	10	10	UG/L	U
		2-HEXANONE	10	08/17/90	10	10	UG/L	U
		2-HEXANONE	10	08/17/90	10	10	UG/L	U
		2-HEXANONE	10	08/17/90	10	1000	UG/L	U
		2-HEXANONE	10	08/17/90	10	10	UG/L	U
		2-HEXANONE	10	08/17/90	10	1000	UG/L	U
		4-METHYL-2-PENTANONE		03/01/90		250	UG/L	U
		4-METHYL-2-PENTANONE	10	06/08/90	10	10	UG/L	U
		4-METHYL-2-PENTANONE	10	06/08/90	10	10	UG/L	U
		4-METHYL-2-PENTANONE	10	08/17/90	10	10	UG/L	U
		4-METHYL-2-PENTANONE	10	08/17/90	10	1000	UG/L	U
		4-METHYL-2-PENTANONE	10	08/17/90	10	200	UG/L	U
		4-METHYL-2-PENTANONE	10	08/17/90	10	10	UG/L	U
		4-METHYL-2-PENTANONE	10	08/17/90	10	1000	UG/L	U
		4-METHYL-2-PENTANONE	10	08/17/90	10	10	UG/L	U
		4-METHYL-2-PENTANONE	10	08/17/90	10	10	UG/L	U
		4-METHYL-2-PENTANONE	10	08/17/90	10	10	UG/L	U
		4-METHYL-2-PENTANONE	10	08/17/90	10	1000	UG/L	U
		4-METHYL-2-PENTANONE	10	08/17/90	10	10	UG/L	U
		4-METHYL-2-PENTANONE	10	08/17/90	10	1000	UG/L	U
		ACETONE		03/01/90		680	UG/L	U
		ACETONE	10	06/08/90	10	10	UG/L	U
		ACETONE	10	06/08/90	10	10	UG/L	U
		ACETONE	10	08/17/90	10	70	UG/L	
		ACETONE	10	08/17/90	10	70	UG/L	B
		ACETONE	10	08/17/90	10	8	UG/L	
		ACETONE	10	08/17/90	10	8	UG/L	B
		ACETONE	10	08/17/90	10	970	UG/L	
		ACETONE	10	08/17/90	10	970	UG/L	B
		ACETONE	10	08/17/90	10	1000	UG/L	U
		ACETONE	10	08/17/90	10	8	UG/L	B
		ACETONE	10	08/17/90	10	11	UG/L	
		ACETONE	10	08/17/90	10	11	UG/L	B
		ACETONE	10	08/17/90	10	4	UG/L	
		ACETONE	10	08/17/90	10	4	UG/L	B
		ACETONE	10	08/17/90	10	1000	UG/L	U
		ACETONE	10	08/17/90	10	3	UG/L	
		ACETONE	10	08/17/90	10	3	UG/L	B
		ACETONE	10	08/17/90	10	8	UG/L	B
		ACETONE	10	08/17/90	10	810	UG/L	
		ACETONE	10	08/17/90	10	810	UG/L	B
		BENZENE		03/01/90		120	UG/L	U

1990 Groundwater Quality Data
Solar Evaporation Ponds - Weathered Bedrock

Well Id	Analyte Group	Analyte	Background Exceedance Value	Sample Date	Detection Limit	Concentration	Unit	Lab Qualifier
P210189	Volatile Organics	BENZENE	5	06/08/90	5	5	UG/L	U
		BENZENE	5	06/08/90	5	5	UG/L	U
		BENZENE	5	08/17/90	5	100	UG/L	U
		BENZENE	5	08/17/90	5	5	UG/L	U
		BENZENE	5	08/17/90	5	500	UG/L	U
		BENZENE	5	08/17/90	5	5	UG/L	U
		BENZENE	5	08/17/90	5	500	UG/L	U
		BENZENE	5	08/17/90	5	5	UG/L	U
		BENZENE	5	08/17/90	5	5	UG/L	U
		BENZENE	5	08/17/90	5	5	UG/L	U
		BENZENE	5	08/17/90	5	500	UG/L	U
		BENZENE	5	08/17/90	5	5	UG/L	U
		BENZENE	5	08/17/90	5	500	UG/L	U
		BROMODICHLOROMETHANE		03/01/90		120	UG/L	U
		BROMODICHLOROMETHANE	5	06/08/90	5	5	UG/L	U
		BROMODICHLOROMETHANE	5	06/08/90	5	5	UG/L	U
		BROMODICHLOROMETHANE	5	08/17/90	5	100	UG/L	U
		BROMODICHLOROMETHANE	5	08/17/90	5	5	UG/L	U
		BROMODICHLOROMETHANE	5	08/17/90	5	500	UG/L	U
		BROMODICHLOROMETHANE	5	08/17/90	5	5	UG/L	U
		BROMODICHLOROMETHANE	5	08/17/90	5	500	UG/L	U
		BROMODICHLOROMETHANE	5	08/17/90	5	5	UG/L	U
		BROMODICHLOROMETHANE	5	08/17/90	5	5	UG/L	U
		BROMODICHLOROMETHANE	5	08/17/90	5	5	UG/L	U
		BROMODICHLOROMETHANE	5	08/17/90	5	500	UG/L	U
		BROMODICHLOROMETHANE	5	08/17/90	5	5	UG/L	U
		BROMODICHLOROMETHANE	5	08/17/90	5	500	UG/L	U
		BROMOFORM		03/01/90		120	UG/L	U
		BROMOFORM	5	06/08/90	5	5	UG/L	U
		BROMOFORM	5	06/08/90	5	5	UG/L	U
		BROMOFORM	5	08/17/90	5	100	UG/L	U
		BROMOFORM	5	08/17/90	5	5	UG/L	U
		BROMOFORM	5	08/17/90	5	500	UG/L	U
		BROMOFORM	5	08/17/90	5	5	UG/L	U
		BROMOFORM	5	08/17/90	5	500	UG/L	U
		BROMOFORM	5	08/17/90	5	5	UG/L	U
		BROMOFORM	5	08/17/90	5	5	UG/L	U
		BROMOFORM	5	08/17/90	5	5	UG/L	U
		BROMOFORM	5	08/17/90	5	500	UG/L	U
		BROMOFORM	5	08/17/90	5	5	UG/L	U
		BROMOFORM	5	08/17/90	5	500	UG/L	U
		BROMOMETHANE		03/01/90		250	UG/L	U
		BROMOMETHANE	10	06/08/90	10	10	UG/L	U
		BROMOMETHANE	10	06/08/90	10	10	UG/L	U
		BROMOMETHANE	10	08/17/90	10	10	UG/L	U
		BROMOMETHANE	10	08/17/90	10	1000	UG/L	U

1990 Groundwater Quality Data
Solar Evaporation Ponds - Weathered Bedrock

Well Id	Analyte Group	Analyte	Background Exceedance Value	Sample Date	Detection Limit	Concentration	Unit	Lab Qualifier
P210189	Volatile Organics	BROMOMETHANE	10	08/17/90	10	200	UG/L	U
		BROMOMETHANE	10	08/17/90	10	10	UG/L	U
		BROMOMETHANE	10	08/17/90	10	1000	UG/L	U
		BROMOMETHANE	10	08/17/90	10	10	UG/L	U
		BROMOMETHANE	10	08/17/90	10	10	UG/L	U
		BROMOMETHANE	10	08/17/90	10	10	UG/L	U
		BROMOMETHANE	10	08/17/90	10	1000	UG/L	U
		BROMOMETHANE	10	08/17/90	10	10	UG/L	U
		BROMOMETHANE	10	08/17/90	10	1000	UG/L	U
		CARBON DISULFIDE		03/01/90		120	UG/L	U
		CARBON DISULFIDE	5	06/08/90	5	5	UG/L	U
		CARBON DISULFIDE	5	06/08/90	5	5	UG/L	U
		CARBON DISULFIDE	5	08/17/90	5	100	UG/L	U
		CARBON DISULFIDE	5	08/17/90	5	4	UG/L	
		CARBON DISULFIDE	5	08/17/90	5	4	UG/L	J
		CARBON DISULFIDE	5	08/17/90	5	500	UG/L	U
		CARBON DISULFIDE	5	08/17/90	5	5	UG/L	U
		CARBON DISULFIDE	5	08/17/90	5	500	UG/L	U
		CARBON DISULFIDE	5	08/17/90	5	5	UG/L	U
		CARBON DISULFIDE	5	08/17/90	5	5	UG/L	U
		CARBON DISULFIDE	5	08/17/90	5	3	UG/L	
		CARBON DISULFIDE	5	08/17/90	5	3	UG/L	J
		CARBON DISULFIDE	5	08/17/90	5	500	UG/L	U
		CARBON DISULFIDE	5	08/17/90	5	5	UG/L	U
		CARBON DISULFIDE	5	08/17/90	5	500	UG/L	U
		CARBON TETRACHLORIDE		03/01/90		12000	UG/L	
		CARBON TETRACHLORIDE	5	06/08/90	5	3900	UG/L	E
		CARBON TETRACHLORIDE	5	06/08/90	5	4500	UG/L	E
		CARBON TETRACHLORIDE	5	08/17/90	5	2500	UG/L	
		CARBON TETRACHLORIDE	5	08/17/90	5	2500	UG/L	E
		CARBON TETRACHLORIDE	5	08/17/90	5	8000	UG/L	
		CARBON TETRACHLORIDE	5	08/17/90	5	8000	UG/L	D
		CARBON TETRACHLORIDE	5	08/17/90	5	8700	UG/L	
		CARBON TETRACHLORIDE	5	08/17/90	5	8700	UG/L	D
		CARBON TETRACHLORIDE	5	08/17/90	5	2600	UG/L	
		CARBON TETRACHLORIDE	5	08/17/90	5	2600	UG/L	E
		CARBON TETRACHLORIDE	5	08/17/90	5	6500	UG/L	
		CARBON TETRACHLORIDE	5	08/17/90	5	6500	UG/L	D
		CARBON TETRACHLORIDE	5	08/17/90	5	1	UG/L	
		CARBON TETRACHLORIDE	5	08/17/90	5	1	UG/L	J
		CARBON TETRACHLORIDE	5	08/17/90	5	1	UG/L	J
		CARBON TETRACHLORIDE	5	08/17/90	5	11000	UG/L	
		CARBON TETRACHLORIDE	5	08/17/90	5	11000	UG/L	D
		CARBON TETRACHLORIDE	5	08/17/90	5	1900	UG/L	
		CARBON TETRACHLORIDE	5	08/17/90	5	1900	UG/L	E
		CARBON TETRACHLORIDE	5	08/17/90	5	2400	UG/L	

1990 Groundwater Quality Data
Solar Evaporation Ponds - Weathered Bedrock

Well Id	Analyte Group	Analyte	Background Exceedance Value	Sample Date	Detection Limit	Concentration	Unit	Lab Qualifier
P210189	Volatile Organics	CARBON TETRACHLORIDE	5	08/17/90	5	2400	UG/L	E
		CARBON TETRACHLORIDE	5	08/17/90	5	9100	UG/L	
		CARBON TETRACHLORIDE	5	08/17/90	5	9100	UG/L	D
		CHLOROBENZENE		03/01/90		120	UG/L	U
		CHLOROBENZENE	5	06/08/90	5	5	UG/L	U
		CHLOROBENZENE	5	06/08/90	5	5	UG/L	U
		CHLOROBENZENE	5	08/17/90	5	100	UG/L	U
		CHLOROBENZENE	5	08/17/90	5	5	UG/L	U
		CHLOROBENZENE	5	08/17/90	5	500	UG/L	U
		CHLOROBENZENE	5	08/17/90	5	5	UG/L	U
		CHLOROBENZENE	5	08/17/90	5	500	UG/L	U
		CHLOROBENZENE	5	08/17/90	5	5	UG/L	U
		CHLOROBENZENE	5	08/17/90	5	5	UG/L	U
		CHLOROBENZENE	5	08/17/90	5	5	UG/L	U
		CHLOROBENZENE	5	08/17/90	5	500	UG/L	U
		CHLOROBENZENE	5	08/17/90	5	5	UG/L	U
		CHLOROBENZENE	5	08/17/90	5	500	UG/L	U
		CHLOROETHANE		03/01/90		250	UG/L	U
		CHLOROETHANE	10	06/08/90	10	10	UG/L	U
		CHLOROETHANE	10	06/08/90	10	10	UG/L	U
		CHLOROETHANE	10	08/17/90	10	10	UG/L	U
		CHLOROETHANE	10	08/17/90	10	1000	UG/L	U
		CHLOROETHANE	10	08/17/90	10	200	UG/L	U
		CHLOROETHANE	10	08/17/90	10	10	UG/L	U
		CHLOROETHANE	10	08/17/90	10	1000	UG/L	U
		CHLOROETHANE	10	08/17/90	10	10	UG/L	U
		CHLOROETHANE	10	08/17/90	10	10	UG/L	U
		CHLOROETHANE	10	08/17/90	10	10	UG/L	U
		CHLOROETHANE	10	08/17/90	10	1000	UG/L	U
		CHLOROETHANE	10	08/17/90	10	10	UG/L	U
		CHLOROETHANE	10	08/17/90	10	1000	UG/L	U
		CHLOROFORM		03/01/90		400	UG/L	
		CHLOROFORM	5	06/08/90	5	380	UG/L	E
		CHLOROFORM	5	06/08/90	5	390	UG/L	E
		CHLOROFORM	5	08/17/90	5	300	UG/L	
		CHLOROFORM	5	08/17/90	5	300	UG/L	D
		CHLOROFORM	5	08/17/90	5	380	UG/L	
		CHLOROFORM	5	08/17/90	5	380	UG/L	E
		CHLOROFORM	5	08/17/90	5	600	UG/L	
		CHLOROFORM	5	08/17/90	5	600	UG/L	D
		CHLOROFORM	5	08/17/90	5	380	UG/L	
		CHLOROFORM	5	08/17/90	5	380	UG/L	E
		CHLOROFORM	5	08/17/90	5	5	UG/L	U
		CHLOROFORM	5	08/17/90	5	5	UG/L	U
		CHLOROFORM	5	08/17/90	5	340	UG/L	
		CHLOROFORM	5	08/17/90	5	340	UG/L	E

1990 Groundwater Quality Data
Solar Evaporation Ponds - Weathered Bedrock

Well Id	Analyte Group	Analyte	Background Exceedance Value	Sample Date	Detection Limit	Concentration	Unit	Lab Qualifier
P210189	Volatile Organics	CHLOROFORM	5	08/17/90	5	460	UG/L	
		CHLOROFORM	5	08/17/90	5	460	UG/L	D
		CHLOROFORM	5	08/17/90	5	380	UG/L	D
		CHLOROFORM	5	08/17/90	5	410	UG/L	
		CHLOROFORM	5	08/17/90	5	410	UG/L	E
		CHLOROMETHANE		03/01/90		250	UG/L	U
		CHLOROMETHANE	10	06/08/90	10	10	UG/L	U
		CHLOROMETHANE	10	06/08/90	10	10	UG/L	U
		CHLOROMETHANE	10	08/17/90	10	10	UG/L	U
		CHLOROMETHANE	10	08/17/90	10	1000	UG/L	U
		CHLOROMETHANE	10	08/17/90	10	200	UG/L	U
		CHLOROMETHANE	10	08/17/90	10	10	UG/L	U
		CHLOROMETHANE	10	08/17/90	10	1000	UG/L	U
		CHLOROMETHANE	10	08/17/90	10	10	UG/L	U
		CHLOROMETHANE	10	08/17/90	10	3	UG/L	
		CHLOROMETHANE	10	08/17/90	10	3	UG/L	J
		CHLOROMETHANE	10	08/17/90	10	10	UG/L	U
		CHLOROMETHANE	10	08/17/90	10	1000	UG/L	U
		CHLOROMETHANE	10	08/17/90	10	10	UG/L	U
		CHLOROMETHANE	10	08/17/90	10	1000	UG/L	U
		DIBROMOCHLOROMETHANE		03/01/90		120	UG/L	U
		DIBROMOCHLOROMETHANE	5	06/08/90	5	5	UG/L	U
		DIBROMOCHLOROMETHANE	5	06/08/90	5	5	UG/L	U
		DIBROMOCHLOROMETHANE	5	08/17/90	5	100	UG/L	U
		DIBROMOCHLOROMETHANE	5	08/17/90	5	5	UG/L	U
		DIBROMOCHLOROMETHANE	5	08/17/90	5	500	UG/L	U
		DIBROMOCHLOROMETHANE	5	08/17/90	5	5	UG/L	U
		DIBROMOCHLOROMETHANE	5	08/17/90	5	500	UG/L	U
		DIBROMOCHLOROMETHANE	5	08/17/90	5	5	UG/L	U
		DIBROMOCHLOROMETHANE	5	08/17/90	5	5	UG/L	U
		DIBROMOCHLOROMETHANE	5	08/17/90	5	5	UG/L	U
		DIBROMOCHLOROMETHANE	5	08/17/90	5	500	UG/L	U
		DIBROMOCHLOROMETHANE	5	08/17/90	5	5	UG/L	U
		DIBROMOCHLOROMETHANE	5	08/17/90	5	500	UG/L	U
		ETHYLBENZENE		03/01/90		120	UG/L	U
		ETHYLBENZENE	5	06/08/90	5	5	UG/L	U
		ETHYLBENZENE	5	06/08/90	5	5	UG/L	U
		ETHYLBENZENE	5	08/17/90	5	100	UG/L	U
		ETHYLBENZENE	5	08/17/90	5	5	UG/L	U
		ETHYLBENZENE	5	08/17/90	5	500	UG/L	U
		ETHYLBENZENE	5	08/17/90	5	5	UG/L	U
		ETHYLBENZENE	5	08/17/90	5	500	UG/L	U
		ETHYLBENZENE	5	08/17/90	5	5	UG/L	U
		ETHYLBENZENE	5	08/17/90	5	5	UG/L	U
		ETHYLBENZENE	5	08/17/90	5	5	UG/L	U
		ETHYLBENZENE	5	08/17/90	5	500	UG/L	U

1990 Groundwater Quality Data
Solar Evaporation Ponds - Weathered Bedrock

Well Id	Analyte Group	Analyte	Background Exceedance Value	Sample Date	Detection Limit	Concentration	Unit	Lab Qualifier
P210189	Volatile Organics	ETHYLBENZENE	5	08/17/90	5	5	UG/L	U
		ETHYLBENZENE	5	08/17/90	5	500	UG/L	U
		METHYLENE CHLORIDE		03/01/90		120	UG/L	U
		METHYLENE CHLORIDE	5	06/08/90	5	5	UG/L	U
		METHYLENE CHLORIDE	5	06/08/90	5	5	UG/L	U
		METHYLENE CHLORIDE	5	08/17/90	5	110	UG/L	
		METHYLENE CHLORIDE	5	08/17/90	5	110	UG/L	D
		METHYLENE CHLORIDE	5	08/17/90	5	22	UG/L	
		METHYLENE CHLORIDE	5	08/17/90	5	22	UG/L	D
		METHYLENE CHLORIDE	5	08/17/90	5	3	UG/L	
		METHYLENE CHLORIDE	5	08/17/90	5	3	UG/L	B
		METHYLENE CHLORIDE	5	08/17/90	5	3	UG/L	B
		METHYLENE CHLORIDE	5	08/17/90	5	500	UG/L	U
		METHYLENE CHLORIDE	5	08/17/90	5	2	UG/L	
		METHYLENE CHLORIDE	5	08/17/90	5	2	UG/L	B
		METHYLENE CHLORIDE	5	08/17/90	5	2	UG/L	
		METHYLENE CHLORIDE	5	08/17/90	5	2	UG/L	J
		METHYLENE CHLORIDE	5	08/17/90	5	3	UG/L	
		METHYLENE CHLORIDE	5	08/17/90	5	3	UG/L	J
		METHYLENE CHLORIDE	5	08/17/90	5	500	UG/L	U
		METHYLENE CHLORIDE	5	08/17/90	5	5	UG/L	
		METHYLENE CHLORIDE	5	08/17/90	5	500	UG/L	U
		STYRENE		03/01/90		120	UG/L	U
		STYRENE	5	06/08/90	5	5	UG/L	U
		STYRENE	5	06/08/90	5	5	UG/L	U
		STYRENE	5	08/17/90	5	100	UG/L	U
		STYRENE	5	08/17/90	5	5	UG/L	U
		STYRENE	5	08/17/90	5	500	UG/L	U
		STYRENE	5	08/17/90	5	5	UG/L	U
		STYRENE	5	08/17/90	5	500	UG/L	U
		STYRENE	5	08/17/90	5	5	UG/L	U
		STYRENE	5	08/17/90	5	5	UG/L	U
		STYRENE	5	08/17/90	5	5	UG/L	U
		STYRENE	5	08/17/90	5	500	UG/L	U
		STYRENE	5	08/17/90	5	5	UG/L	U
		STYRENE	5	08/17/90	5	500	UG/L	U
		TETRACHLOROETHENE		03/01/90		120	UG/L	U
		TETRACHLOROETHENE	5	06/08/90	5	8	UG/L	
		TETRACHLOROETHENE	5	06/08/90	5	8	UG/L	
		TETRACHLOROETHENE	5	08/17/90	5	100	UG/L	U
		TETRACHLOROETHENE	5	08/17/90	5	500	UG/L	U
		TETRACHLOROETHENE	5	08/17/90	5	9	UG/L	
		TETRACHLOROETHENE	5	08/17/90	5	500	UG/L	U
		TETRACHLOROETHENE	5	08/17/90	5	9	UG/L	
		TETRACHLOROETHENE	5	08/17/90	5	5	UG/L	U
		TETRACHLOROETHENE	5	08/17/90	5	5	UG/L	U

1990 Groundwater Quality Data
Solar Evaporation Ponds - Weathered Bedrock

Well Id	Analyte Group	Analyte	Background Exceedance Value	Sample Date	Detection Limit	Concentration	Unit	Lab Qualifier
P210189	Volatile Organics	TETRACHLOROETHENE	5	08/17/90	5	500	UG/L	U
		TETRACHLOROETHENE	5	08/17/90	5	7	UG/L	
		TETRACHLOROETHENE	5	08/17/90	5	500	UG/L	U
		TETRACHLOROETHENE	5	08/17/90	5	8	UG/L	
		TOLUENE		03/01/90		120	UG/L	U
		TOLUENE	5	06/08/90	5	5	UG/L	U
		TOLUENE	5	06/08/90	5	5	UG/L	U
		TOLUENE	5	08/17/90	5	100	UG/L	U
		TOLUENE	5	08/17/90	5	5	UG/L	U
		TOLUENE	5	08/17/90	5	500	UG/L	U
		TOLUENE	5	08/17/90	5	5	UG/L	U
		TOLUENE	5	08/17/90	5	500	UG/L	U
		TOLUENE	5	08/17/90	5	5	UG/L	U
		TOLUENE	5	08/17/90	5	1	UG/L	
		TOLUENE	5	08/17/90	5	1	UG/L	J
		TOLUENE	5	08/17/90	5	5	UG/L	U
		TOLUENE	5	08/17/90	5	500	UG/L	U
		TOLUENE	5	08/17/90	5	5	UG/L	U
		TOLUENE	5	08/17/90	5	500	UG/L	U
		TOTAL XYLENES		03/01/90		120	UG/L	U
		TOTAL XYLENES	5	08/17/90	5	100	UG/L	U
		TOTAL XYLENES	5	08/17/90	5	5	UG/L	U
		TOTAL XYLENES	5	08/17/90	5	500	UG/L	U
		TOTAL XYLENES	5	08/17/90	5	5	UG/L	U
		TOTAL XYLENES	5	08/17/90	5	500	UG/L	U
		TOTAL XYLENES	5	08/17/90	5	5	UG/L	U
		TOTAL XYLENES	5	08/17/90	5	3	UG/L	
		TOTAL XYLENES	5	08/17/90	5	3	UG/L	B
		TOTAL XYLENES	5	08/17/90	5	5	UG/L	U
		TOTAL XYLENES	5	08/17/90	5	500	UG/L	U
		TOTAL XYLENES	5	08/17/90	5	5	UG/L	U
		TOTAL XYLENES	5	08/17/90	5	500	UG/L	U
		TRICHLOROETHENE		03/01/90		5300	UG/L	
		TRICHLOROETHENE	5	06/08/90	5	2500	UG/L	E
		TRICHLOROETHENE	5	06/08/90	5	2700	UG/L	E
		TRICHLOROETHENE	5	08/17/90	5	2400	UG/L	
		TRICHLOROETHENE	5	08/17/90	5	2400	UG/L	E
		TRICHLOROETHENE	5	08/17/90	5	3800	UG/L	
		TRICHLOROETHENE	5	08/17/90	5	3800	UG/L	D
		TRICHLOROETHENE	5	08/17/90	5	4400	UG/L	
		TRICHLOROETHENE	5	08/17/90	5	4400	UG/L	D
		TRICHLOROETHENE	5	08/17/90	5	2500	UG/L	
		TRICHLOROETHENE	5	08/17/90	5	2500	UG/L	E
		TRICHLOROETHENE	5	08/17/90	5	3600	UG/L	
		TRICHLOROETHENE	5	08/17/90	5	3600	UG/L	D
		TRICHLOROETHENE	5	08/17/90	5	2	UG/L	

1990 Groundwater Quality Data
Solar Evaporation Ponds - Weathered Bedrock

Well Id	Analyte Group	Analyte	Background Exceedance Value	Sample Date	Detection Limit	Concentration	Unit	Lab Qualifier
P210189	Volatile Organics	TRICHLOROETHENE	5	08/17/90	5	2	UG/L	J
		TRICHLOROETHENE	5	08/17/90	5	2	UG/L	J
		TRICHLOROETHENE	5	08/17/90	5	2000	UG/L	
		TRICHLOROETHENE	5	08/17/90	5	2000	UG/L	E
		TRICHLOROETHENE	5	08/17/90	5	5300	UG/L	
		TRICHLOROETHENE	5	08/17/90	5	5300	UG/L	D
		TRICHLOROETHENE	5	08/17/90	5	2400	UG/L	E
		TRICHLOROETHENE	5	08/17/90	5	4100	UG/L	
		TRICHLOROETHENE	5	08/17/90	5	4100	UG/L	D
		VINYL ACETATE		03/01/90		250	UG/L	U
		VINYL ACETATE	10	06/08/90	10	10	UG/L	U
		VINYL ACETATE	10	06/08/90	10	10	UG/L	U
		VINYL ACETATE	10	08/17/90	10	10	UG/L	U
		VINYL ACETATE	10	08/17/90	10	1000	UG/L	U
		VINYL ACETATE	10	08/17/90	10	200	UG/L	U
		VINYL ACETATE	10	08/17/90	10	10	UG/L	U
		VINYL ACETATE	10	08/17/90	10	1000	UG/L	U
		VINYL ACETATE	10	08/17/90	10	10	UG/L	U
		VINYL ACETATE	10	08/17/90	10	10	UG/L	U
		VINYL ACETATE	10	08/17/90	10	10	UG/L	U
		VINYL ACETATE	10	08/17/90	10	1000	UG/L	U
		VINYL ACETATE	10	08/17/90	10	10	UG/L	U
		VINYL ACETATE	10	08/17/90	10	1000	UG/L	U
		VINYL CHLORIDE		03/01/90		250	UG/L	U
		VINYL CHLORIDE	10	06/08/90	10	10	UG/L	U
		VINYL CHLORIDE	10	06/08/90	10	10	UG/L	U
		VINYL CHLORIDE	10	08/17/90	10	1000	UG/L	U
		VINYL CHLORIDE	10	08/17/90	10	200	UG/L	U
		VINYL CHLORIDE	10	08/17/90	10	3	UG/L	
		VINYL CHLORIDE	10	08/17/90	10	3	UG/L	J
		VINYL CHLORIDE	10	08/17/90	10	1000	UG/L	U
		VINYL CHLORIDE	10	08/17/90	10	2	UG/L	
		VINYL CHLORIDE	10	08/17/90	10	2	UG/L	J
		VINYL CHLORIDE	10	08/17/90	10	10	UG/L	U
		VINYL CHLORIDE	10	08/17/90	10	10	UG/L	U
		VINYL CHLORIDE	10	08/17/90	10	1000	UG/L	U
		VINYL CHLORIDE	10	08/17/90	10	2	UG/L	J
		VINYL CHLORIDE	10	08/17/90	10	1000	UG/L	U
		VINYL CHLORIDE	10	08/17/90	10	2	UG/L	J
		XYLENES (TOTAL)	5	06/08/90	5	5	UG/L	U
		XYLENES (TOTAL)	5	06/08/90	5	5	UG/L	U
		cis-1,3-DICHLOROPROPENE		03/01/90		120	UG/L	U
		cis-1,3-DICHLOROPROPENE	5	06/08/90	5	5	UG/L	U
		cis-1,3-DICHLOROPROPENE	5	06/08/90	5	5	UG/L	U
		cis-1,3-DICHLOROPROPENE	5	08/17/90	5	100	UG/L	U
		cis-1,3-DICHLOROPROPENE	5	08/17/90	5	5	UG/L	U

1990 Groundwater Quality Data
Solar Evaporation Ponds - Weathered Bedrock

Well Id	Analyte Group	Analyte	Background Exceedance Value	Sample Date	Detection Limit	Concentration	Unit	Lab Qualifier
P210189	Volatile Organics	cis-1,3-DICHLOROPROPENE	5	08/17/90	5	500	UG/L	U
		cis-1,3-DICHLOROPROPENE	5	08/17/90	5	5	UG/L	U
		cis-1,3-DICHLOROPROPENE	5	08/17/90	5	500	UG/L	U
		cis-1,3-DICHLOROPROPENE	5	08/17/90	5	5	UG/L	U
		cis-1,3-DICHLOROPROPENE	5	08/17/90	5	5	UG/L	U
		cis-1,3-DICHLOROPROPENE	5	08/17/90	5	5	UG/L	U
		cis-1,3-DICHLOROPROPENE	5	08/17/90	5	500	UG/L	U
		cis-1,3-DICHLOROPROPENE	5	08/17/90	5	5	UG/L	U
		cis-1,3-DICHLOROPROPENE	5	08/17/90	5	500	UG/L	U
		trans-1,3-DICHLOROPROPENE		03/01/90		120	UG/L	U
		trans-1,3-DICHLOROPROPENE	5	06/08/90	5	5	UG/L	U
		trans-1,3-DICHLOROPROPENE	5	06/08/90	5	5	UG/L	U
		trans-1,3-DICHLOROPROPENE	5	08/17/90	5	100	UG/L	U
		trans-1,3-DICHLOROPROPENE	5	08/17/90	5	5	UG/L	U
		trans-1,3-DICHLOROPROPENE	5	08/17/90	5	500	UG/L	U
		trans-1,3-DICHLOROPROPENE	5	08/17/90	5	5	UG/L	U
		trans-1,3-DICHLOROPROPENE	5	08/17/90	5	500	UG/L	U
		trans-1,3-DICHLOROPROPENE	5	08/17/90	5	5	UG/L	U
		trans-1,3-DICHLOROPROPENE	5	08/17/90	5	5	UG/L	U
		trans-1,3-DICHLOROPROPENE	5	08/17/90	5	5	UG/L	U
		trans-1,3-DICHLOROPROPENE	5	08/17/90	5	500	UG/L	U
		trans-1,3-DICHLOROPROPENE	5	08/17/90	5	5	UG/L	U
		trans-1,3-DICHLOROPROPENE	5	08/17/90	5	500	UG/L	U
P210289	Inorganics	CARBONATE	5	03/05/90		5	MG/L	U
		CARBONATE	5	03/05/90		5	MG/L	U
		CARBONATE, HYDROGEN	249.35	03/05/90		240	MG/L	
		CARBONATE, HYDROGEN	249.35	03/05/90		240	MG/L	
		CARBONATE, HYDROGEN	249.35	12/12/90	1.0	260	MG/L	
		CHLORIDE (North)	10.67	03/05/90		800	MG/L	
		CHLORIDE (North)	10.67	03/05/90		800	MG/L	
		CHLORIDE (North)	10.67	12/12/90		490	MG/L	
		CYANIDE	0.01	03/12/90	10	34.9	UG/L	
		FLUORIDE	0.1	03/05/90		4.3	MG/L	
		FLUORIDE	0.1	03/05/90		4.3	MG/L	
		FLUORIDE	0.1	12/12/90		4.6	MG/L	
		NITRATE/NITRITE	3.43	03/05/90		16	MG/L	
		NITRATE/NITRITE	3.43	03/05/90		16	MG/L	
		NITRATE/NITRITE	3.43	12/12/90		13	MG/L	
		PH	8.22	03/05/90		8.0	PHUNIT	
		PH	8.22	03/05/90		8.0	PHUNIT	
		SILICA, DISSOLVED		12/12/90		5.7	MG/L	
		SULFATE	67.08	03/05/90		770	MG/L	
		SULFATE	67.08	03/05/90		770	MG/L	
		SULFATE	67.08	12/12/90	2.0	710	MG/L	
		TOTAL DISSOLVED SOLIDS	388.76	03/05/90		2800	MG/L	
		TOTAL DISSOLVED SOLIDS	388.76	03/05/90		2800	MG/L	

1990 Groundwater Quality Data
Solar Evaporation Ponds - Weathered Bedrock

Well Id	Analyte Group	Analyte	Background Exceedance Value	Sample Date	Detection Limit	Concentration	Unit	Lab Qualifier
P210289	Inorganics	TOTAL DISSOLVED SOLIDS	388.76	12/12/90	10.0	2700	MG/L	
		TOTAL SUSPENDED SOLIDS	4.0	12/12/90	4.0	12	MG/L	
P210289	Dissolved Metals	ALUMINUM	0.327	03/12/90	200	35.0	UG/L	U
		ALUMINUM	0.327	05/02/90	200	84.0	UG/L	U
		ANTIMONY	0.5	03/12/90	60	26.0	UG/L	U
		ANTIMONY	0.5	05/02/90	60	22.0	UG/L	U
		ARSENIC	0.01	03/12/90	10	3.1	UG/L	J
		ARSENIC	0.01	05/02/90	10	2.0	UG/L	U
		BARIUM	0.2	03/12/90	200	33.2	UG/L	
		BARIUM	0.2	05/02/90	200	31.3	UG/L	J
		BERYLLIUM	0.005	03/12/90	5	1.0	UG/L	U
		BERYLLIUM	0.005	05/02/90	5	1.0	UG/L	U
		CADMIUM	0.011	03/12/90	5	2.0	UG/L	U
		CADMIUM	0.011	05/02/90	5	3.0	UG/L	U
		CALCIUM	62.59	03/12/90	5000	211000	UG/L	
		CALCIUM	62.59	05/02/90	5000	227000	UG/L	
		CESIUM	2.5	03/12/90	1000	70.0	UG/L	
		CESIUM	2.5	05/02/90	1000	2500	UG/L	U
		CHROMIUM	0.02	03/12/90	10	5.0	UG/L	U
		CHROMIUM	0.02	05/02/90	10	2.0	UG/L	U
		COBALT	0.05	03/12/90	50	4.0	UG/L	U
		COBALT	0.05	05/02/90	50	4.0	UG/L	U
		COPPER	0.048	03/12/90	25	12.0	UG/L	
		COPPER	0.048	05/02/90	25	5.0	UG/L	U
		IRON	0.944	03/12/90	100	19.0	UG/L	U
		IRON	0.944	05/02/90	100	44.0	UG/L	U
		LEAD	0.040	03/12/90	5	2.0	UG/L	U
		LEAD	0.040	05/02/90	5	3.0	UG/L	U
		LITHIUM	1.79	03/12/90	100	95.5	UG/L	
		LITHIUM	1.79	05/02/90	100	100	UG/L	U
		MAGNESIUM	16.09	03/12/90	5000	160000	UG/L	
		MAGNESIUM	16.09	05/02/90	5000	173000	UG/L	
		MANGANESE	0.213	03/12/90	15	7.8	UG/L	
		MANGANESE	0.213	05/02/90	15	7.6	UG/L	J
		MERCURY	0.0008	03/12/90		0.2	UG/L	U
		MERCURY	0.0008	05/02/90		0.2	UG/L	U
		MOLYBDENUM	0.5	03/12/90	200	35.0	UG/L	U
		MOLYBDENUM	0.5	05/02/90	200	100	UG/L	U
		NICKEL	0.043	03/12/90	40	6.0	UG/L	U
		NICKEL	0.043	05/02/90	40	7.0	UG/L	U
		POTASSIUM	11.3	03/12/90	5000	5530	UG/L	
		POTASSIUM	11.3	05/02/90	5000	4930	UG/L	
		SELENIUM	0.221	03/12/90	5	372	UG/L	
		SELENIUM	0.221	05/02/90	5	302	UG/L	
		SILVER	0.004	03/12/90	10	6.0	UG/L	U
		SILVER	0.004	05/02/90	10	3.0	UG/L	U

1990 Groundwater Quality Data
Solar Evaporation Ponds - Weathered Bedrock

Well Id	Analyte Group	Analyte	Background Exceedance Value	Sample Date	Detection Limit	Concentration	Unit	Lab Qualifier
P210289	Dissolved Metals	SODIUM	46.74	03/12/90	5000	314000	UG/L	
		SODIUM	46.74	05/02/90	5000	312000	UG/L	
		STRONTIUM	7.12	03/12/90	200	3690	UG/L	J
		STRONTIUM	7.12	05/02/90	200	3620	UG/L	J
		THALLIUM	1	03/12/90	10	3.0	UG/L	U
		THALLIUM	1	05/02/90	10	40.0	UG/L	
		TIN	1	03/12/90	200	25.0	UG/L	U
		TIN	1	05/02/90	200	100	UG/L	U
		VANADIUM	0.05	03/12/90	50	6.0	UG/L	U
		VANADIUM	0.05	05/02/90	50	30.6	UG/L	U
		ZINC	0.141	03/12/90	20	5.8	UG/L	
		ZINC	0.141	05/02/90	20	17.9	UG/L	U
P210289	Diss. Radionuclides	GROSS ALPHA - PARTICULATE	55.07	03/05/90	11.9	114	PCI/L	
		GROSS BETA - PARTICULATE	59.63	03/05/90	16.1	65	PCI/L	
		URANIUM-233,234	0.1+/-.1	03/05/90		50.93	PCI/L	
		URANIUM-235	2.09	03/05/90		1.19	PCI/L	
		URANIUM-238	25.57	03/05/90		38.52	PCI/L	
P210289	Volatile Organics	1,1,1-TRICHLOROETHANE	5	03/05/90	5	5	UG/L	U
		1,1,1-TRICHLOROETHANE	5	03/05/90	5	5	UG/L	U
		1,1,1-TRICHLOROETHANE	5	05/02/90	5	5	UG/L	U
		1,1,1-TRICHLOROETHANE	5	07/26/90	5	5	UG/L	U
		1,1,1-TRICHLOROETHANE	5	12/12/90	5	5	UG/L	U
		1,1,2,2-TETRACHLOROETHANE	5	03/05/90	5	5	UG/L	U
		1,1,2,2-TETRACHLOROETHANE	5	03/05/90	5	5	UG/L	U
		1,1,2,2-TETRACHLOROETHANE	5	05/02/90	5	5	UG/L	U
		1,1,2,2-TETRACHLOROETHANE	5	07/26/90	5	5	UG/L	U
		1,1,2,2-TETRACHLOROETHANE	5	12/12/90	5	5	UG/L	U
		1,1,2-TRICHLOROETHANE	5	03/05/90	5	5	UG/L	U
		1,1,2-TRICHLOROETHANE	5	03/05/90	5	5	UG/L	U
		1,1,2-TRICHLOROETHANE	5	05/02/90	5	5	UG/L	U
		1,1,2-TRICHLOROETHANE	5	07/26/90	5	5	UG/L	U
		1,1,2-TRICHLOROETHANE	5	12/12/90	5	5	UG/L	U
		1,1-DICHLOROETHANE	5	03/05/90	5	5	UG/L	U
		1,1-DICHLOROETHANE	5	03/05/90	5	5	UG/L	U
		1,1-DICHLOROETHANE	5	05/02/90	5	5	UG/L	U
		1,1-DICHLOROETHANE	5	07/26/90	5	5	UG/L	U
		1,1-DICHLOROETHANE	5	12/12/90	5	5	UG/L	U
		1,1-DICHLOROETHENE	5	03/05/90	5	5	UG/L	U
		1,1-DICHLOROETHENE	5	03/05/90	5	5	UG/L	U
		1,1-DICHLOROETHENE	5	05/02/90	5	5	UG/L	U
		1,1-DICHLOROETHENE	5	07/26/90	5	5	UG/L	U
		1,1-DICHLOROETHENE	5	12/12/90	5	5	UG/L	U
		1,2-DICHLOROETHANE	5	03/05/90	5	5	UG/L	U
		1,2-DICHLOROETHANE	5	03/05/90	5	5	UG/L	U
		1,2-DICHLOROETHANE	5	05/02/90	5	5	UG/L	U
		1,2-DICHLOROETHANE	5	07/26/90	5	5	UG/L	U

1990 Groundwater Quality Data
Solar Evaporation Ponds - Weathered Bedrock

Well Id	Analyte Group	Analyte	Background Exceedance Value	Sample Date	Detection Limit	Concentration	Unit	Lab Qualifier
P210289	Volatile Organics	1,2-DICHLOROETHANE	5	12/12/90	5	5	UG/L	U
		1,2-DICHLOROETHENE (Total)	5	03/05/90	5	5	UG/L	U
		1,2-DICHLOROETHENE (Total)	5	03/05/90	5	5	UG/L	U
		1,2-DICHLOROETHENE (Total)	5	05/02/90	5	5	UG/L	U
		1,2-DICHLOROETHYLENE	5	07/26/90	5	5	UG/L	U
		1,2-DICHLOROETHYLENE	5	12/12/90	5	5	UG/L	U
		1,2-DICHLOROPROPANE	5	03/05/90	5	5	UG/L	U
		1,2-DICHLOROPROPANE	5	03/05/90	5	5	UG/L	U
		1,2-DICHLOROPROPANE	5	05/02/90	5	5	UG/L	U
		1,2-DICHLOROPROPANE	5	07/26/90	5	5	UG/L	U
		1,2-DICHLOROPROPANE	5	12/12/90	5	5	UG/L	U
		2-BUTANONE	10	03/05/90	10	10	UG/L	U
		2-BUTANONE	10	03/05/90	10	10	UG/L	U
		2-BUTANONE	10	05/02/90	10	10	UG/L	U
		2-BUTANONE	10	07/26/90	10	10	UG/L	U
		2-BUTANONE	10	12/12/90	10	10	UG/L	U
		2-HEXANONE	10	03/05/90	10	10	UG/L	U
		2-HEXANONE	10	03/05/90	10	10	UG/L	U
		2-HEXANONE	10	05/02/90	10	10	UG/L	U
		2-HEXANONE	10	07/26/90	10	10	UG/L	U
		2-HEXANONE	10	12/12/90	10	10	UG/L	U
		4-METHYL-2-PENTANONE	10	03/05/90	10	10	UG/L	U
		4-METHYL-2-PENTANONE	10	03/05/90	10	10	UG/L	U
		4-METHYL-2-PENTANONE	10	05/02/90	10	10	UG/L	U
		4-METHYL-2-PENTANONE	10	07/26/90	10	10	UG/L	U
		4-METHYL-2-PENTANONE	10	12/12/90	10	10	UG/L	U
		ACETONE	10	03/05/90	10	10	UG/L	U
		ACETONE	10	03/05/90	10	10	UG/L	U
		ACETONE	10	05/02/90	10	10	UG/L	U
		ACETONE	10	07/26/90	10	5	UG/L	B
		ACETONE	10	12/12/90	10	10	UG/L	B
		BENZENE	5	03/05/90	5	5	UG/L	U
		BENZENE	5	03/05/90	5	5	UG/L	U
		BENZENE	5	05/02/90	5	5	UG/L	U
		BENZENE	5	07/26/90	5	5	UG/L	U
		BENZENE	5	12/12/90	5	5	UG/L	U
		BROMODICHLOROMETHANE	5	03/05/90	5	5	UG/L	U
		BROMODICHLOROMETHANE	5	03/05/90	5	5	UG/L	U
		BROMODICHLOROMETHANE	5	05/02/90	5	5	UG/L	U
		BROMODICHLOROMETHANE	5	07/26/90	5	5	UG/L	U
		BROMODICHLOROMETHANE	5	12/12/90	5	5	UG/L	U
		BROMOFORM	5	03/05/90	5	5	UG/L	U
		BROMOFORM	5	03/05/90	5	5	UG/L	U
		BROMOFORM	5	05/02/90	5	5	UG/L	U
		BROMOFORM	5	07/26/90	5	5	UG/L	U
		BROMOFORM	5	12/12/90	5	5	UG/L	U

1990 Groundwater Quality Data
Solar Evaporation Ponds - Weathered Bedrock

Well Id	Analyte Group	Analyte	Background Exceedance Value	Sample Date	Detection Limit	Concentration	Unit	Lab Qualifier
P210289	Volatile Organics	BROMOMETHANE	10	03/05/90	10	10	UG/L	U
		BROMOMETHANE	10	03/05/90	10	10	UG/L	U
		BROMOMETHANE	10	05/02/90	10	10	UG/L	U
		BROMOMETHANE	10	07/26/90	10	10	UG/L	U
		BROMOMETHANE	10	12/12/90	10	10	UG/L	U
		CARBON DISULFIDE	5	03/05/90	5	5	UG/L	U
		CARBON DISULFIDE	5	03/05/90	5	5	UG/L	U
		CARBON DISULFIDE	5	05/02/90	5	5	UG/L	U
		CARBON DISULFIDE	5	07/26/90	5	5	UG/L	U
		CARBON DISULFIDE	5	12/12/90	5	5	UG/L	U
		CARBON TETRACHLORIDE	5	03/05/90	5	5	UG/L	U
		CARBON TETRACHLORIDE	5	03/05/90	5	5	UG/L	U
		CARBON TETRACHLORIDE	5	05/02/90	5	5	UG/L	U
		CARBON TETRACHLORIDE	5	07/26/90	5	5	UG/L	U
		CARBON TETRACHLORIDE	5	12/12/90	5	5	UG/L	U
		CHLOROBENZENE	5	03/05/90	5	5	UG/L	U
		CHLOROBENZENE	5	03/05/90	5	5	UG/L	U
		CHLOROBENZENE	5	05/02/90	5	5	UG/L	U
		CHLOROBENZENE	5	07/26/90	5	5	UG/L	U
		CHLOROBENZENE	5	12/12/90	5	5	UG/L	U
		CHLOROETHANE	10	03/05/90	10	10	UG/L	U
		CHLOROETHANE	10	03/05/90	10	10	UG/L	U
		CHLOROETHANE	10	05/02/90	10	10	UG/L	U
		CHLOROETHANE	10	07/26/90	10	10	UG/L	U
		CHLOROETHANE	10	12/12/90	10	10	UG/L	U
		CHLOROFORM	5	03/05/90	5	5	UG/L	U
		CHLOROFORM	5	03/05/90	5	5	UG/L	U
		CHLOROFORM	5	05/02/90	5	5	UG/L	U
		CHLOROFORM	5	07/26/90	5	5	UG/L	U
		CHLOROFORM	5	12/12/90	5	5	UG/L	U
		CHLOROMETHANE	10	03/05/90	10	10	UG/L	U
		CHLOROMETHANE	10	03/05/90	10	10	UG/L	U
		CHLOROMETHANE	10	05/02/90	10	10	UG/L	U
		CHLOROMETHANE	10	07/26/90	10	10	UG/L	U
		CHLOROMETHANE	10	12/12/90	10	10	UG/L	U
		DIBROMOCHLOROMETHANE	5	03/05/90	5	5	UG/L	U
		DIBROMOCHLOROMETHANE	5	03/05/90	5	5	UG/L	U
		DIBROMOCHLOROMETHANE	5	05/02/90	5	5	UG/L	U
		DIBROMOCHLOROMETHANE	5	07/26/90	5	5	UG/L	U
		DIBROMOCHLOROMETHANE	5	12/12/90	5	5	UG/L	U
		ETHYLBENZENE	5	03/05/90	5	5	UG/L	U
		ETHYLBENZENE	5	03/05/90	5	5	UG/L	U
		ETHYLBENZENE	5	05/02/90	5	5	UG/L	U
		ETHYLBENZENE	5	07/26/90	5	5	UG/L	U
		ETHYLBENZENE	5	12/12/90	5	5	UG/L	U
		METHYLENE CHLORIDE	5	03/05/90	5	5	UG/L	U

1990 Groundwater Quality Data
Solar Evaporation Ponds - Weathered Bedrock

Well Id	Analyte Group	Analyte	Background Exceedance Value	Sample Date	Detection Limit	Concentration	Unit	Lab Qualifier
P210289	Volatile Organics	METHYLENE CHLORIDE	5	03/05/90	5	5	UG/L	U
		METHYLENE CHLORIDE	5	05/02/90	5	5	UG/L	U
		METHYLENE CHLORIDE	5	07/26/90	5	2	UG/L	B
		METHYLENE CHLORIDE	5	12/12/90	5	5	UG/L	U
		STYRENE	5	03/05/90	5	5	UG/L	U
		STYRENE	5	03/05/90	5	5	UG/L	U
		STYRENE	5	05/02/90	5	5	UG/L	U
		STYRENE	5	07/26/90	5	5	UG/L	U
		STYRENE	5	12/12/90	5	5	UG/L	U
		TETRACHLOROETHENE	5	03/05/90	5	5	UG/L	U
		TETRACHLOROETHENE	5	03/05/90	5	5	UG/L	U
		TETRACHLOROETHENE	5	05/02/90	5	5	UG/L	U
		TETRACHLOROETHENE	5	07/26/90	5	5	UG/L	U
		TETRACHLOROETHENE	5	12/12/90	5	5	UG/L	U
		TOLUENE	5	03/05/90	5	5	UG/L	U
		TOLUENE	5	03/05/90	5	5	UG/L	U
		TOLUENE	5	05/02/90	5	5	UG/L	U
		TOLUENE	5	07/26/90	5	5	UG/L	U
		TOLUENE	5	12/12/90	5	5	UG/L	U
		TOTAL XYLENES	5	07/26/90	5	5	UG/L	U
		TOTAL XYLENES	5	12/12/90	5	5	UG/L	U
		TRICHLOROETHENE	5	03/05/90	5	5	UG/L	U
		TRICHLOROETHENE	5	03/05/90	5	5	UG/L	U
		TRICHLOROETHENE	5	05/02/90	5	5	UG/L	U
		TRICHLOROETHENE	5	07/26/90	5	5	UG/L	U
		TRICHLOROETHENE	5	12/12/90	5	5	UG/L	U
		VINYL ACETATE	10	03/05/90	10	10	UG/L	U
		VINYL ACETATE	10	03/05/90	10	10	UG/L	U
		VINYL ACETATE	10	05/02/90	10	10	UG/L	U
		VINYL ACETATE	10	07/26/90	10	10	UG/L	U
		VINYL ACETATE	10	12/12/90	10	10	UG/L	U
		VINYL CHLORIDE	10	03/05/90	10	10	UG/L	U
		VINYL CHLORIDE	10	03/05/90	10	10	UG/L	U
		VINYL CHLORIDE	10	05/02/90	10	10	UG/L	U
		VINYL CHLORIDE	10	07/26/90	10	10	UG/L	U
		VINYL CHLORIDE	10	12/12/90	10	10	UG/L	U
		XYLENES (TOTAL)	5	03/05/90	5	5	UG/L	U
		XYLENES (TOTAL)	5	03/05/90	5	5	UG/L	U
		XYLENES (TOTAL)	5	05/02/90	5	5	UG/L	U
		cis-1,3-DICHLOROPROPENE	5	03/05/90	5	5	UG/L	U
		cis-1,3-DICHLOROPROPENE	5	03/05/90	5	5	UG/L	U
		cis-1,3-DICHLOROPROPENE	5	05/02/90	5	5	UG/L	U
		cis-1,3-DICHLOROPROPENE	5	07/26/90	5	5	UG/L	U
		cis-1,3-DICHLOROPROPENE	5	12/12/90	5	5	UG/L	U
		trans-1,3-DICHLOROPROPENE	5	03/05/90	5	5	UG/L	U
		trans-1,3-DICHLOROPROPENE	5	03/05/90	5	5	UG/L	U

1990 Groundwater Quality Data
Solar Evaporation Ponds - Weathered Bedrock

Well Id	Analyte Group	Analyte	Background Exceedance Value	Sample Date	Detection Limit	Concentration	Unit	Lab Qualifier
P210289	Volatile Organics	trans-1,3-DICHLOROPROPENE	5	05/02/90	5	5	UG/L	U
		trans-1,3-DICHLOROPROPENE	5	07/26/90	5	5	UG/L	U
		trans-1,3-DICHLOROPROPENE	5	12/12/90	5	5	UG/L	U

1990 Groundwater Quality Data
Solar Evaporation Ponds - Weathered Bedrock

DATA QUALIFIERS

U - Indicates a compound was analyzed for, but not detected.

J - Indicates an estimated value for either a tentatively identified compound or an analyte that meets the identification criteria, but the result is less than the specified detection limit.

B - Indicates the compound was found in the blank and the sample.

E - Concentration exceeds calibration range of the instrument.

I - Indicates interference.

BS - Indicates matrix analyses were conducted on reagent grade water.

TB - Trip Blank.

BSD - Blank Spike Duplicate.

FB - Field Blank.

BDL - Below Detection Limit.

RNS - Rinse Blank.

MS - Matrix Spike.

REA - Field Sample, not a blank or duplicate.

MSD - Matrix Spike Duplicate.

DUP - Duplicate.

D - Indicates that surrogate/matrix spike recoveries were not obtained because the extract had to be diluted for analysis.

DL - Indicates a secondary dilution.

NA - Not Applicable.

DF - Dilution Factor.

X - Result is by calculation.

VALIDATION QUALIFIERS

V - Valid.

R - Rejected.

A - Acceptable with qualifications.

Location ID		Proj_Sample_No	Chemical	Result	Unit	Err	Qual.	D.Lmt	VA	Group	Smpl Date
P207389	TRG	GSEP01890989001	1,1,1-TRICHLOROETHANE	5	UG/L		U	5		RFVO	21-SEP-89
P207489	TRG	GSEP02890989001	1,1,1-TRICHLOROETHANE	5	UG/L		U	5		RFVO	20-SEP-89
P207689	TRG	GSEP04890989001	1,1,1-TRICHLOROETHANE	5	UG/L		U	5		RFVO	14-SEP-89
P207789	TRG	GSEP05890989001	1,1,1-TRICHLOROETHANE	5	UG/L		U	5		RFVO	14-SEP-89
P207889	TRG	GSEP06890989001	1,1,1-TRICHLOROETHANE	5	UG/L		U	5		RFVO	15-SEP-89
P207989	TRG	GSEP07890989001	1,1,1-TRICHLOROETHANE	5	UG/L		U	5		RFVO	14-SEP-89
P208889	TRG	GSEP16890989001	1,1,1-TRICHLOROETHANE	5	UG/L		U	5		RFVO	17-OCT-89
R209189	TRG	GSEP19890989001D	1,1,1-TRICHLOROETHANE	5	UG/L		U	5		RFVO	27-SEP-89
P209289	TRG	GSEP20890989001	1,1,1-TRICHLOROETHANE	5	UG/L		U	5		RFVO	25-SEP-89
P209389	TRG	GSEP21890989001	1,1,1-TRICHLOROETHANE	5	UG/L			5		RFVO	18-SEP-89
P209589	TRG	GSEP23890989001	1,1,1-TRICHLOROETHANE	5	UG/L		U	5		RFVO	19-SEP-89
P209689	TRG	GSEP24890989001	1,1,1-TRICHLOROETHANE	5	UG/L		U	5		RFVO	13-SEP-89
P209789	TRG	GSEP25890989001D	1,1,1-TRICHLOROETHANE	5	UG/L		U	5		RFVO	13-SEP-89
P210189	TRG	GSEP30890989001	1,1,1-TRICHLOROETHANE	5	UG/L		U	V 5	A	RFVO	28-SEP-89
P207389	TRG	GSEP01890989001	1,1,2,2-TETRACHLOROETHANE	5	UG/L		U	5		RFVO	21-SEP-89
P207489	TRG	GSEP02890989001	1,1,2,2-TETRACHLOROETHANE	5	UG/L		U	5		RFVO	20-SEP-89
P207689	TRG	GSEP04890989001	1,1,2,2-TETRACHLOROETHANE	5	UG/L		U	5		RFVO	14-SEP-89
P207789	TRG	GSEP05890989001	1,1,2,2-TETRACHLOROETHANE	5	UG/L		U	5		RFVO	14-SEP-89
P207889	TRG	GSEP06890989001	1,1,2,2-TETRACHLOROETHANE	5	UG/L		U	5		RFVO	15-SEP-89
P207989	TRG	GSEP07890989001	1,1,2,2-TETRACHLOROETHANE	5	UG/L		U	5		RFVO	14-SEP-89
P208889	TRG	GSEP16890989001	1,1,2,2-TETRACHLOROETHANE	5	UG/L		U	5		RFVO	17-OCT-89
P209189	TRG	GSEP19890989001D	1,1,2,2-TETRACHLOROETHANE	5	UG/L		U	5		RFVO	27-SEP-89
P209289	TRG	GSEP20890989001	1,1,2,2-TETRACHLOROETHANE	5	UG/L		U	5		RFVO	25-SEP-89
P209389	TRG	GSEP21890989001	1,1,2,2-TETRACHLOROETHANE	5	UG/L		U	5		RFVO	18-SEP-89
P209589	TRG	GSEP23890989001	1,1,2,2-TETRACHLOROETHANE	5	UG/L		U	5		RFVO	19-SEP-89
P209689	TRG	GSEP24890989001	1,1,2,2-TETRACHLOROETHANE	5	UG/L		U	5		RFVO	13-SEP-89
P209789	TRG	GSEP25890989001D	1,1,2,2-TETRACHLOROETHANE	5	UG/L		U	5		RFVO	13-SEP-89
P210189	TRG	GSEP30890989001	1,1,2,2-TETRACHLOROETHANE	5	UG/L		U	V 5	A	RFVO	28-SEP-89
P207389	TRG	GSEP01890989001	1,1,2-TRICHLOROETHANE	5	UG/L		U	5		RFVO	21-SEP-89
P207489	TRG	GSEP02890989001	1,1,2-TRICHLOROETHANE	5	UG/L		U	5		RFVO	20-SEP-89
P207689	TRG	GSEP04890989001	1,1,2-TRICHLOROETHANE	5	UG/L		U	5		RFVO	14-SEP-89
P207789	TRG	GSEP05890989001	1,1,2-TRICHLOROETHANE	5	UG/L		U	5		RFVO	14-SEP-89
P207889	TRG	GSEP06890989001	1,1,2-TRICHLOROETHANE	5	UG/L		U	5		RFVO	15-SEP-89
P207989	TRG	GSEP07890989001	1,1,2-TRICHLOROETHANE	5	UG/L		U	5		RFVO	14-SEP-89
P208889	TRG	GSEP16890989001	1,1,2-TRICHLOROETHANE	5	UG/L		U	5		RFVO	17-OCT-89
P209189	TRG	GSEP19890989001D	1,1,2-TRICHLOROETHANE	5	UG/L		U	5		RFVO	27-SEP-89
P209289	TRG	GSEP20890989001	1,1,2-TRICHLOROETHANE	5	UG/L		U	5		RFVO	25-SEP-89
P209389	TRG	GSEP21890989001	1,1,2-TRICHLOROETHANE	5	UG/L		U	5		RFVO	18-SEP-89
P209589	TRG	GSEP23890989001	1,1,2-TRICHLOROETHANE	5	UG/L		U	5		RFVO	19-SEP-89
P209689	TRG	GSEP24890989001	1,1,2-TRICHLOROETHANE	5	UG/L		U	5		RFVO	13-SEP-89
P209789	TRG	GSEP25890989001D	1,1,2-TRICHLOROETHANE	5	UG/L		U	5		RFVO	13-SEP-89
P210189	TRG	GSEP30890989001	1,1,2-TRICHLOROETHANE	5	UG/L		U	V 5	A	RFVO	28-SEP-89
P207389	TRG	GSEP01890989001	1,1-DICHLOROETHANE	5	UG/L		U	5		RFVO	21-SEP-89
P207489	TRG	GSEP02890989001	1,1-DICHLOROETHANE	5	UG/L		U	5		RFVO	20-SEP-89
P207689	TRG	GSEP04890989001	1,1-DICHLOROETHANE	5	UG/L		U	5		RFVO	14-SEP-89
P207789	TRG	GSEP05890989001	1,1-DICHLOROETHANE	5	UG/L		U	5		RFVO	14-SEP-89
P207889	TRG	GSEP06890989001	1,1-DICHLOROETHANE	5	UG/L		U	5		RFVO	15-SEP-89
P207989	TRG	GSEP07890989001	1,1-DICHLOROETHANE	5	UG/L		U	5		RFVO	14-SEP-89
P208889	TRG	GSEP16890989001	1,1-DICHLOROETHANE	5	UG/L		U	5		RFVO	17-OCT-89
P209189	TRG	GSEP19890989001D	1,1-DICHLOROETHANE	3	UG/L		J	5		RFVO	27-SEP-89
P209289	TRG	GSEP20890989001	1,1-DICHLOROETHANE	5	UG/L		U	5		RFVO	25-SEP-89
P209389	TRG	GSEP21890989001	1,1-DICHLOROETHANE	2	UG/L		J	5		RFVO	18-SEP-89
P209589	TRG	GSEP23890989001	1,1-DICHLOROETHANE	5	UG/L		U	5		RFVO	19-SEP-89
P209689	TRG	GSEP24890989001	1,1-DICHLOROETHANE	5	UG/L		U	5		RFVO	13-SEP-89
P209789	TRG	GSEP25890989001D	1,1-DICHLOROETHANE	5	UG/L		U	5		RFVO	13-SEP-89
P210189	TRG	GSEP30890989001	1,1-DICHLOROETHANE	1	UG/L		J	A 5	A	RFVO	28-SEP-89
P207389	TRG	GSEP01890989001	1,1-DICHLOROETHENE	5	UG/L		U	5		RFVO	21-SEP-89
P207489	TRG	GSEP02890989001	1,1-DICHLOROETHENE	2	UG/L		J	5		RFVO	20-SEP-89

Location ID	--	Proj_Sample_No	Chemical	Result	Unit	Err	Qual.	D.Lmt	VA	Group	Smpl Date
P207689	TRG	GSEP04890989001	1,1-DICHLOROETHENE	5	UG/L		U	5		RFVO	14-SEP-89
P207789	TRG	GSEP05890989001	1,1-DICHLOROETHENE	5	UG/L		U	5		RFVO	14-SEP-89
P207889	TRG	GSEP06890989001	1,1-DICHLOROETHENE	5	UG/L		U	5		RFVO	15-SEP-89
P207989	TRG	GSEP07890989001	1,1-DICHLOROETHENE	5	UG/L		U	5		RFVO	14-SEP-89
P208889	TRG	GSEP16890989001	1,1-DICHLOROETHENE	5	UG/L		U	5		RFVO	17-OCT-89
P209189	TRG	GSEP19890989001D	1,1-DICHLOROETHENE	1	UG/L		J	5		RFVO	27-SEP-89
P209289	TRG	GSEP20890989001	1,1-DICHLOROETHENE	5	UG/L		U	5		RFVO	25-SEP-89
P209389	TRG	GSEP21890989001	1,1-DICHLOROETHENE	53	UG/L			5		RFVO	18-SEP-89
P209589	TRG	GSEP23890989001	1,1-DICHLOROETHENE	5	UG/L		U	5		RFVO	19-SEP-89
P209689	TRG	GSEP24890989001	1,1-DICHLOROETHENE	5	UG/L		U	5		RFVO	13-SEP-89
P209789	TRG	GSEP25890989001D	1,1-DICHLOROETHENE	5	UG/L		U	5		RFVO	13-SEP-89
P210189	TRG	GSEP30890989001	1,1-DICHLOROETHENE	6	UG/L			V 5	A	RFVO	28-SEP-89
P207389	TRG	GSEP01890989001	1,2-DICHLOROETHANE	5	UG/L		U	5		RFVO	21-SEP-89
P207489	TRG	GSEP02890989001	1,2-DICHLOROETHANE	5	UG/L		U	5		RFVO	20-SEP-89
P207689	TRG	GSEP04890989001	1,2-DICHLOROETHANE	5	UG/L		U	5		RFVO	14-SEP-89
P207789	TRG	GSEP05890989001	1,2-DICHLOROETHANE	5	UG/L		U	5		RFVO	14-SEP-89
P207889	TRG	GSEP06890989001	1,2-DICHLOROETHANE	5	UG/L		U	5		RFVO	15-SEP-89
P207989	TRG	GSEP07890989001	1,2-DICHLOROETHANE	5	UG/L		U	5		RFVO	14-SEP-89
P208889	TRG	GSEP16890989001	1,2-DICHLOROETHANE	5	UG/L		U	5		RFVO	17-OCT-89
P209189	TRG	GSEP19890989001D	1,2-DICHLOROETHANE	5	UG/L		U	5		RFVO	27-SEP-89
P209289	TRG	GSEP20890989001	1,2-DICHLOROETHANE	5	UG/L		U	5		RFVO	25-SEP-89
P209389	TRG	GSEP21890989001	1,2-DICHLOROETHANE	5	UG/L		U	5		RFVO	18-SEP-89
P209589	TRG	GSEP23890989001	1,2-DICHLOROETHANE	5	UG/L		U	5		RFVO	19-SEP-89
P209689	TRG	GSEP24890989001	1,2-DICHLOROETHANE	5	UG/L	-	U	5		RFVO	13-SEP-89
P209789	TRG	GSEP25890989001D	1,2-DICHLOROETHANE	5	UG/L		U	5		RFVO	13-SEP-89
P210189	TRG	GSEP30890989001	1,2-DICHLOROETHANE	6	UG/L			V 5	A	RFVO	28-SEP-89
P207389	TRG	GSEP01890989001	1,2-DICHLOROETHENE	5	UG/L		U	5		RFVO	21-SEP-89
P207489	TRG	GSEP02890989001	1,2-DICHLOROETHENE	5	UG/L		U	5		RFVO	20-SEP-89
P207689	TRG	GSEP04890989001	1,2-DICHLOROETHENE	5	UG/L		U	5		RFVO	14-SEP-89
P207789	TRG	GSEP05890989001	1,2-DICHLOROETHENE	5	UG/L		U	5		RFVO	14-SEP-89
P207889	TRG	GSEP06890989001	1,2-DICHLOROETHENE	5	UG/L		U	5		RFVO	15-SEP-89
P207989	TRG	GSEP07890989001	1,2-DICHLOROETHENE	5	UG/L		U	5		RFVO	14-SEP-89
P208889	TRG	GSEP16890989001	1,2-DICHLOROETHENE	5	UG/L		U	5		RFVO	17-OCT-89
P209189	TRG	GSEP19890989001D	1,2-DICHLOROETHENE	5	UG/L		U	5		RFVO	27-SEP-89
P209289	TRG	GSEP20890989001	1,2-DICHLOROETHENE	5	UG/L		U	5		RFVO	25-SEP-89
P209389	TRG	GSEP21890989001	1,2-DICHLOROETHENE	5	UG/L		U	5		RFVO	18-SEP-89
P209589	TRG	GSEP23890989001	1,2-DICHLOROETHENE	5	UG/L		U	5		RFVO	19-SEP-89
P209689	TRG	GSEP24890989001	1,2-DICHLOROETHENE	5	UG/L		U	5		RFVO	13-SEP-89
P209789	TRG	GSEP25890989001D	1,2-DICHLOROETHENE	5	UG/L		U	5		RFVO	13-SEP-89
P210189	TRG	GSEP30890989001	1,2-DICHLOROETHENE	5	UG/L		U	V 5	A	RFVO	28-SEP-89
P207389	TRG	GSEP01890989001	1,2-DICHLOROPROPANE	5	UG/L		U	5		RFVO	21-SEP-89
P207489	TRG	GSEP02890989001	1,2-DICHLOROPROPANE	5	UG/L		U	5		RFVO	20-SEP-89
P207689	TRG	GSEP04890989001	1,2-DICHLOROPROPANE	5	UG/L		U	5		RFVO	14-SEP-89
P207789	TRG	GSEP05890989001	1,2-DICHLOROPROPANE	5	UG/L		U	5		RFVO	14-SEP-89
P207889	TRG	GSEP06890989001	1,2-DICHLOROPROPANE	5	UG/L		U	5		RFVO	15-SEP-89
P207989	TRG	GSEP07890989001	1,2-DICHLOROPROPANE	5	UG/L		U	5		RFVO	14-SEP-89
P208889	TRG	GSEP16890989001	1,2-DICHLOROPROPANE	5	UG/L		U	5		RFVO	17-OCT-89
P209189	TRG	GSEP19890989001D	1,2-DICHLOROPROPANE	5	UG/L		U	5		RFVO	27-SEP-89
P209289	TRG	GSEP20890989001	1,2-DICHLOROPROPANE	5	UG/L		U	5		RFVO	25-SEP-89
P209389	TRG	GSEP21890989001	1,2-DICHLOROPROPANE	5	UG/L		U	5		RFVO	18-SEP-89
P209589	TRG	GSEP23890989001	1,2-DICHLOROPROPANE	5	UG/L		U	5		RFVO	19-SEP-89
P209689	TRG	GSEP24890989001	1,2-DICHLOROPROPANE	5	UG/L		U	5		RFVO	13-SEP-89
P209789	TRG	GSEP25890989001D	1,2-DICHLOROPROPANE	5	UG/L		U	5		RFVO	13-SEP-89
P210189	TRG	GSEP30890989001	1,2-DICHLOROPROPANE	5	UG/L		U	V 5	A	RFVO	28-SEP-89
P207389	TRG	GSEP01890989001	2-BUTANONE	10	UG/L		U	10		RFVO	21-SEP-89
P207489	TRG	GSEP02890989001	2-BUTANONE	10	UG/L		U	10		RFVO	20-SEP-89
P207689	TRG	GSEP04890989001	2-BUTANONE	10	UG/L		U	10		RFVO	14-SEP-89
P207789	TRG	GSEP05890989001	2-BUTANONE	10	UG/L		U	10		RFVO	14-SEP-89

Location ID		Proj_Sample_No	Chemical	Result	Unit	Err	Qual.	D.Lmt	VA	Group	Smpl Date
P207889	TRG	GSEP06890989001	2-BUTANONE	10	UG/L		U	10		RFVO	15-SEP-89
P207989	TRG	GSEP07890989001	2-BUTANONE	10	UG/L		U	10		RFVO	14-SEP-89
P208889	TRG	GSEP16890989001	2-BUTANONE	10	UG/L		U	10		RFVO	17-OCT-89
P209189	TRG	GSEP19890989001D	2-BUTANONE	10	UG/L		U	10		RFVO	27-SEP-89
P209289	TRG	GSEP20890989001	2-BUTANONE	10	UG/L		U	10		RFVO	25-SEP-89
P209389	TRG	GSEP21890989001	2-BUTANONE	10	UG/L		U	10		RFVO	18-SEP-89
P209589	TRG	GSEP23890989001	2-BUTANONE	10	UG/L		U	10		RFVO	19-SEP-89
P209689	TRG	GSEP24890989001	2-BUTANONE	10	UG/L		U	10		RFVO	13-SEP-89
P209789	TRG	GSEP25890989001D	2-BUTANONE	10	UG/L		U	10		RFVO	13-SEP-89
P210189	TRG	GSEP30890989001	2-BUTANONE	10	UG/L		U	V 10	A	RFVO	28-SEP-89
P207389	TRG	GSEP01890989001	2-HEXANONE	10	UG/L		U	10		RFVO	21-SEP-89
P207489	TRG	GSEP02890989001	2-HEXANONE	10	UG/L		U	10		RFVO	20-SEP-89
P207689	TRG	GSEP04890989001	2-HEXANONE	10	UG/L		U	10		RFVO	14-SEP-89
P207789	TRG	GSEP05890989001	2-HEXANONE	10	UG/L		U	10		RFVO	14-SEP-89
P207889	TRG	GSEP06890989001	2-HEXANONE	10	UG/L		U	10		RFVO	15-SEP-89
P207989	TRG	GSEP07890989001	2-HEXANONE	10	UG/L		U	10		RFVO	14-SEP-89
P208889	TRG	GSEP16890989001	2-HEXANONE	10	UG/L		U	10		RFVO	17-OCT-89
P209189	TRG	GSEP19890989001D	2-HEXANONE	10	UG/L		U	10		RFVO	27-SEP-89
P209289	TRG	GSEP20890989001	2-HEXANONE	10	UG/L		U	10		RFVO	25-SEP-89
P209389	TRG	GSEP21890989001	2-HEXANONE	10	UG/L		U	10		RFVO	18-SEP-89
P209589	TRG	GSEP23890989001	2-HEXANONE	10	UG/L		U	10		RFVO	19-SEP-89
P209689	TRG	GSEP24890989001	2-HEXANONE	10	UG/L		U	10		RFVO	13-SEP-89
P209789	TRG	GSEP25890989001D	2-HEXANONE	10	UG/L		U	10		RFVO	13-SEP-89
P210189	TRG	GSEP30890989001	2-HEXANONE	10	UG/L	-	U	V 10	A	RFVO	28-SEP-89
P207389	TRG	GSEP01890989001	4-METHYL-2-PENTANONE	10	UG/L		U	10		RFVO	21-SEP-89
P207489	TRG	GSEP02890989001	4-METHYL-2-PENTANONE	10	UG/L		U	10		RFVO	20-SEP-89
P207689	TRG	GSEP04890989001	4-METHYL-2-PENTANONE	10	UG/L		U	10		RFVO	14-SEP-89
P207789	TRG	GSEP05890989001	4-METHYL-2-PENTANONE	10	UG/L		U	10		RFVO	14-SEP-89
P207889	TRG	GSEP06890989001	4-METHYL-2-PENTANONE	10	UG/L		U	10		RFVO	15-SEP-89
P207989	TRG	GSEP07890989001	4-METHYL-2-PENTANONE	10	UG/L		U	10		RFVO	14-SEP-89
P208889	TRG	GSEP16890989001	4-METHYL-2-PENTANONE	10	UG/L		U	10		RFVO	17-OCT-89
P209189	TRG	GSEP19890989001D	4-METHYL-2-PENTANONE	10	UG/L		U	10		RFVO	27-SEP-89
P209289	TRG	GSEP20890989001	4-METHYL-2-PENTANONE	10	UG/L		U	10		RFVO	25-SEP-89
P209389	TRG	GSEP21890989001	4-METHYL-2-PENTANONE	10	UG/L		U	10		RFVO	18-SEP-89
P209589	TRG	GSEP23890989001	4-METHYL-2-PENTANONE	10	UG/L		U	10		RFVO	19-SEP-89
P209689	TRG	GSEP24890989001	4-METHYL-2-PENTANONE	10	UG/L		U	10		RFVO	13-SEP-89
P209789	TRG	GSEP25890989001D	4-METHYL-2-PENTANONE	10	UG/L		U	10		RFVO	13-SEP-89
P210189	TRG	GSEP30890989001	4-METHYL-2-PENTANONE	10	UG/L		U	V 10	A	RFVO	28-SEP-89
P207389	TRG	GSEP01890989001	ACETONE	10	UG/L		U	10		RFVO	21-SEP-89
P207489	TRG	GSEP02890989001	ACETONE	10	UG/L		U	10		RFVO	20-SEP-89
P207689	TRG	GSEP04890989001	ACETONE	10	UG/L		U	10		RFVO	14-SEP-89
P207789	TRG	GSEP05890989001	ACETONE	10	UG/L		U	10		RFVO	14-SEP-89
P207889	TRG	GSEP06890989001	ACETONE	10	UG/L		U	10		RFVO	15-SEP-89
P207989	TRG	GSEP07890989001	ACETONE	10	UG/L		U	10		RFVO	14-SEP-89
P208889	TRG	GSEP16890989001	ACETONE	7	UG/L		J	10		RFVO	17-OCT-89
P209189	TRG	GSEP19890989001D	ACETONE	4	UG/L		J	10		RFVO	27-SEP-89
P209289	TRG	GSEP20890989001	ACETONE	3	UG/L		JB	10		RFVO	25-SEP-89
P209389	TRG	GSEP21890989001	ACETONE	10	UG/L		U	10		RFVO	18-SEP-89
P209589	TRG	GSEP23890989001	ACETONE	7	UG/L		J	10		RFVO	19-SEP-89
P209689	TRG	GSEP24890989001	ACETONE	10	UG/L		U	10		RFVO	13-SEP-89
P209789	TRG	GSEP25890989001D	ACETONE	10	UG/L		U	10		RFVO	13-SEP-89
P210189	TRG	GSEP30890989001	ACETONE	10	UG/L		U	V 10	A	RFVO	28-SEP-89
P207389	TRG	GSEP01890989001	BENZENE	5	UG/L		U	5		RFVO	21-SEP-89
P207489	TRG	GSEP02890989001	BENZENE	5	UG/L		U	5		RFVO	20-SEP-89
P207689	TRG	GSEP04890989001	BENZENE	5	UG/L		U	5		RFVO	14-SEP-89
P207789	TRG	GSEP05890989001	BENZENE	5	UG/L		U	5		RFVO	14-SEP-89
P207889	TRG	GSEP06890989001	BENZENE	5	UG/L		U	5		RFVO	15-SEP-89
P207989	TRG	GSEP07890989001	BENZENE	5	UG/L		U	5		RFVO	14-SEP-89

Location ID		Proj_Sample_No	Chemical	Result	Unit	Err	Qual.	D.Lmt	VA	Group	Smpl Date
P208889	TRG	GSEP16890989001	BENZENE	5	UG/L		U	5		RFVO	17-OCT-89
P209189	TRG	GSEP19890989001D	BENZENE	5	UG/L		U	5		RFVO	27-SEP-89
P209289	TRG	GSEP20890989001	BENZENE	5	UG/L		U	5		RFVO	25-SEP-89
P209389	TRG	GSEP21890989001	BENZENE	5	UG/L		U	5		RFVO	18-SEP-89
P209589	TRG	GSEP23890989001	BENZENE	5	UG/L		U	5		RFVO	19-SEP-89
P209689	TRG	GSEP24890989001	BENZENE	5	UG/L		U	5		RFVO	13-SEP-89
P209789	TRG	GSEP25890989001D	BENZENE	5	UG/L		U	5		RFVO	13-SEP-89
P210189	TRG	GSEP30890989001	BENZENE	5	UG/L		U	A 5	A	RFVO	28-SEP-89
P207389	TRG	GSEP01890989001	BROMODICHLOROMETHANE	5	UG/L		U	5		RFVO	21-SEP-89
P207489	TRG	GSEP02890989001	BROMODICHLOROMETHANE	5	UG/L		U	5		RFVO	20-SEP-89
P207689	TRG	GSEP04890989001	BROMODICHLOROMETHANE	5	UG/L		U	5		RFVO	14-SEP-89
P207789	TRG	GSEP05890989001	BROMODICHLOROMETHANE	5	UG/L		U	5		RFVO	14-SEP-89
P207889	TRG	GSEP06890989001	BROMODICHLOROMETHANE	5	UG/L		U	5		RFVO	15-SEP-89
P207989	TRG	GSEP07890989001	BROMODICHLOROMETHANE	5	UG/L		U	5		RFVO	14-SEP-89
P208889	TRG	GSEP16890989001	BROMODICHLOROMETHANE	5	UG/L		U	5		RFVO	17-OCT-89
P209189	TRG	GSEP19890989001D	BROMODICHLOROMETHANE	5	UG/L		U	5		RFVO	27-SEP-89
P209289	TRG	GSEP20890989001	BROMODICHLOROMETHANE	5	UG/L		U	5		RFVO	25-SEP-89
P209389	TRG	GSEP21890989001	BROMODICHLOROMETHANE	5	UG/L		U	5		RFVO	18-SEP-89
P209589	TRG	GSEP23890989001	BROMODICHLOROMETHANE	5	UG/L		U	5		RFVO	19-SEP-89
P209689	TRG	GSEP24890989001	BROMODICHLOROMETHANE	5	UG/L		U	5		RFVO	13-SEP-89
P209789	TRG	GSEP25890989001D	BROMODICHLOROMETHANE	5	UG/L		U	5		RFVO	13-SEP-89
P210189	TRG	GSEP30890989001	BROMODICHLOROMETHANE	5	UG/L		U	V 5	A	RFVO	28-SEP-89
P207389	TRG	GSEP01890989001	BROMOFORM	5	UG/L		U	5		RFVO	21-SEP-89
P207489	TRG	GSEP02890989001	BROMOFORM	5	UG/L		U	5		RFVO	20-SEP-89
P207689	TRG	GSEP04890989001	BROMOFORM	5	UG/L		U	5		RFVO	14-SEP-89
P207789	TRG	GSEP05890989001	BROMOFORM	5	UG/L		U	5		RFVO	14-SEP-89
P207889	TRG	GSEP06890989001	BROMOFORM	5	UG/L		U	5		RFVO	15-SEP-89
P207989	TRG	GSEP07890989001	BROMOFORM	5	UG/L		U	5		RFVO	14-SEP-89
P208889	TRG	GSEP16890989001	BROMOFORM	5	UG/L		U	5		RFVO	17-OCT-89
P209189	TRG	GSEP19890989001D	BROMOFORM	5	UG/L		U	5		RFVO	27-SEP-89
P209289	TRG	GSEP20890989001	BROMOFORM	5	UG/L		U	5		RFVO	25-SEP-89
P209389	TRG	GSEP21890989001	BROMOFORM	5	UG/L		U	5		RFVO	18-SEP-89
P209589	TRG	GSEP23890989001	BROMOFORM	5	UG/L		U	5		RFVO	19-SEP-89
P209689	TRG	GSEP24890989001	BROMOFORM	5	UG/L		U	5		RFVO	13-SEP-89
P209789	TRG	GSEP25890989001D	BROMOFORM	5	UG/L		U	5		RFVO	13-SEP-89
P210189	TRG	GSEP30890989001	BROMOFORM	5	UG/L		U	V 5	A	RFVO	28-SEP-89
P207389	TRG	GSEP01890989001	BROMOMETHANE	10	UG/L		U	10		RFVO	21-SEP-89
P207489	TRG	GSEP02890989001	BROMOMETHANE	10	UG/L		U	10		RFVO	20-SEP-89
P207689	TRG	GSEP04890989001	BROMOMETHANE	10	UG/L		U	10		RFVO	14-SEP-89
P207789	TRG	GSEP05890989001	BROMOMETHANE	10	UG/L		U	10		RFVO	14-SEP-89
P207889	TRG	GSEP06890989001	BROMOMETHANE	10	UG/L		U	10		RFVO	15-SEP-89
P207989	TRG	GSEP07890989001	BROMOMETHANE	10	UG/L		U	10		RFVO	14-SEP-89
P208889	TRG	GSEP16890989001	BROMOMETHANE	10	UG/L		U	10		RFVO	17-OCT-89
P209189	TRG	GSEP19890989001D	BROMOMETHANE	10	UG/L		U	10		RFVO	27-SEP-89
P209289	TRG	GSEP20890989001	BROMOMETHANE	3	UG/L		J	10		RFVO	25-SEP-89
P209389	TRG	GSEP21890989001	BROMOMETHANE	10	UG/L		U	10		RFVO	18-SEP-89
P209589	TRG	GSEP23890989001	BROMOMETHANE	10	UG/L		U	10		RFVO	19-SEP-89
P209689	TRG	GSEP24890989001	BROMOMETHANE	10	UG/L		U	10		RFVO	13-SEP-89
P209789	TRG	GSEP25890989001D	BROMOMETHANE	10	UG/L		U	10		RFVO	13-SEP-89
P210189	TRG	GSEP30890989001	BROMOMETHANE	7	UG/L		J	A 10	A	RFVO	28-SEP-89
P207389	TRG	GSEP01890989001	CARBON DISULFIDE	5	UG/L		U	5		RFVO	21-SEP-89
P207489	TRG	GSEP02890989001	CARBON DISULFIDE	5	UG/L		U	5		RFVO	20-SEP-89
P207689	TRG	GSEP04890989001	CARBON DISULFIDE	5	UG/L		U	5		RFVO	14-SEP-89
P207789	TRG	GSEP05890989001	CARBON DISULFIDE	5	UG/L		U	5		RFVO	14-SEP-89
P207889	TRG	GSEP06890989001	CARBON DISULFIDE	5	UG/L		U	5		RFVO	15-SEP-89
P207989	TRG	GSEP07890989001	CARBON DISULFIDE	5	UG/L		U	5		RFVO	14-SEP-89
P208889	TRG	GSEP16890989001	CARBON DISULFIDE	5	UG/L		U	5		RFVO	17-OCT-89
P209189	TRG	GSEP19890989001D	CARBON DISULFIDE	5	UG/L		U	5		RFVO	27-SEP-89

Location ID		Proj_Sample_No	Chemical	Result	Unit	Err	Qual.	D.Lmt	VA	Group	Smpl Date
P209289	TRG	GSEP20890989001	CARBON DISULFIDE	5	UG/L		U	5		RFVO	25-SEP-89
P209389	TRG	GSEP21890989001	CARBON DISULFIDE	5	UG/L		U	5		RFVO	18-SEP-89
P209589	TRG	GSEP23890989001	CARBON DISULFIDE	5	UG/L		U	5		RFVO	19-SEP-89
P209689	TRG	GSEP24890989001	CARBON DISULFIDE	5	UG/L		U	5		RFVO	13-SEP-89
P209789	TRG	GSEP25890989001D	CARBON DISULFIDE	5	UG/L		U	5		RFVO	13-SEP-89
P210189	TRG	GSEP30890989001	CARBON DISULFIDE	5	UG/L		U	V 5	A	RFVO	28-SEP-89
P207389	TRG	GSEP01890989001	CARBON TETRACHLORIDE	5	UG/L		U	5		RFVO	21-SEP-89
P207489	TRG	GSEP02890989001	CARBON TETRACHLORIDE	1	UG/L		J	5		RFVO	20-SEP-89
P207689	TRG	GSEP04890989001	CARBON TETRACHLORIDE	5	UG/L		U	5		RFVO	14-SEP-89
P207789	TRG	GSEP05890989001	CARBON TETRACHLORIDE	5	UG/L		U	5		RFVO	14-SEP-89
P207889	TRG	GSEP06890989001	CARBON TETRACHLORIDE	5	UG/L		U	5		RFVO	15-SEP-89
P207989	TRG	GSEP07890989001	CARBON TETRACHLORIDE	5	UG/L		U	5		RFVO	14-SEP-89
P208889	TRG	GSEP16890989001	CARBON TETRACHLORIDE	5	UG/L		U	5		RFVO	17-OCT-89
P209189	TRG	GSEP19890989001D	CARBON TETRACHLORIDE	5	UG/L		U	5		RFVO	27-SEP-89
P209289	TRG	GSEP20890989001	CARBON TETRACHLORIDE	1300	UG/L		E	5		RFVO	25-SEP-89
P209389	TRG	GSEP21890989001	CARBON TETRACHLORIDE	44	UG/L			5		RFVO	18-SEP-89
P209589	TRG	GSEP23890989001	CARBON TETRACHLORIDE	5	UG/L		U	5		RFVO	19-SEP-89
P209689	TRG	GSEP24890989001	CARBON TETRACHLORIDE	5	UG/L		U	5		RFVO	13-SEP-89
P209789	TRG	GSEP25890989001D	CARBON TETRACHLORIDE	5	UG/L		U	5		RFVO	13-SEP-89
P210189	TRG	GSEP30890989001	CARBON TETRACHLORIDE	4200	UG/L			5	A	RFVO	28-SEP-89
P207389	TRG	GSEP01890989001	CHLOROBENZENE	5	UG/L		U	5		RFVO	21-SEP-89
P207489	TRG	GSEP02890989001	CHLOROBENZENE	5	UG/L		U	5		RFVO	20-SEP-89
P207689	TRG	GSEP04890989001	CHLOROBENZENE	5	UG/L		U	5		RFVO	14-SEP-89
P207789	TRG	GSEP05890989001	CHLOROBENZENE	5	UG/L		U	5		RFVO	14-SEP-89
P207889	TRG	GSEP06890989001	CHLOROBENZENE	5	UG/L		U	5		RFVO	15-SEP-89
P207989	TRG	GSEP07890989001	CHLOROBENZENE	5	UG/L		U	5		RFVO	14-SEP-89
P208889	TRG	GSEP16890989001	CHLOROBENZENE	5	UG/L		U	5		RFVO	17-OCT-89
P209189	TRG	GSEP19890989001D	CHLOROBENZENE	5	UG/L		U	5		RFVO	27-SEP-89
P209289	TRG	GSEP20890989001	CHLOROBENZENE	5	UG/L		U	5		RFVO	25-SEP-89
P209389	TRG	GSEP21890989001	CHLOROBENZENE	5	UG/L		U	5		RFVO	18-SEP-89
P209589	TRG	GSEP23890989001	CHLOROBENZENE	5	UG/L		U	5		RFVO	19-SEP-89
P209689	TRG	GSEP24890989001	CHLOROBENZENE	5	UG/L		U	5		RFVO	13-SEP-89
P209789	TRG	GSEP25890989001D	CHLOROBENZENE	5	UG/L		U	5		RFVO	13-SEP-89
P210189	TRG	GSEP30890989001	CHLOROBENZENE	5	UG/L		U	A 5	A	RFVO	28-SEP-89
P207389	TRG	GSEP01890989001	CHLOROETHANE	10	UG/L		U	10		RFVO	21-SEP-89
P207489	TRG	GSEP02890989001	CHLOROETHANE	10	UG/L		U	10		RFVO	20-SEP-89
P207689	TRG	GSEP04890989001	CHLOROETHANE	10	UG/L		U	10		RFVO	14-SEP-89
P207789	TRG	GSEP05890989001	CHLOROETHANE	10	UG/L		U	10		RFVO	14-SEP-89
P207889	TRG	GSEP06890989001	CHLOROETHANE	10	UG/L		U	10		RFVO	15-SEP-89
P207989	TRG	GSEP07890989001	CHLOROETHANE	10	UG/L		U	10		RFVO	14-SEP-89
P208889	TRG	GSEP16890989001	CHLOROETHANE	10	UG/L		U	10		RFVO	17-OCT-89
P209189	TRG	GSEP19890989001D	CHLOROETHANE	10	UG/L		U	10		RFVO	27-SEP-89
P209289	TRG	GSEP20890989001	CHLOROETHANE	10	UG/L		U	10		RFVO	25-SEP-89
P209389	TRG	GSEP21890989001	CHLOROETHANE	10	UG/L		U	10		RFVO	18-SEP-89
P209589	TRG	GSEP23890989001	CHLOROETHANE	10	UG/L		U	10		RFVO	19-SEP-89
P209689	TRG	GSEP24890989001	CHLOROETHANE	10	UG/L		U	10		RFVO	13-SEP-89
P209789	TRG	GSEP25890989001D	CHLOROETHANE	10	UG/L		U	10		RFVO	13-SEP-89
P210189	TRG	GSEP30890989001	CHLOROETHANE	10	UG/L		U	V 10	A	RFVO	28-SEP-89
P207389	TRG	GSEP01890989001	CHLOROFORM	5	UG/L		U	5		RFVO	21-SEP-89
P207489	TRG	GSEP02890989001	CHLOROFORM	5	UG/L		U	5		RFVO	20-SEP-89
P207689	TRG	GSEP04890989001	CHLOROFORM	5	UG/L		U	5		RFVO	14-SEP-89
P207789	TRG	GSEP05890989001	CHLOROFORM	5	UG/L		U	5		RFVO	14-SEP-89
P207889	TRG	GSEP06890989001	CHLOROFORM	5	UG/L		U	5		RFVO	15-SEP-89
P207989	TRG	GSEP07890989001	CHLOROFORM	5	UG/L		U	5		RFVO	14-SEP-89
P208889	TRG	GSEP16890989001	CHLOROFORM	2	UG/L		J	5		RFVO	17-OCT-89
P209189	TRG	GSEP19890989001D	CHLOROFORM	3	UG/L		J	5		RFVO	27-SEP-89
P209289	TRG	GSEP20890989001	CHLOROFORM	170	UG/L			5		RFVO	25-SEP-89
P209389	TRG	GSEP21890989001	CHLOROFORM	5	UG/L		U	5		RFVO	18-SEP-89

Location ID		Proj_Sample_No	Chemical	Result	Unit	Err	Qual.	D.Lmt	VA	Group	Smpl Date
P209589	TRG	GSEP23890989001	CHLOROFORM	5	UG/L		U	5		RFVO	19-SEP-89
P209689	TRG	GSEP24890989001	CHLOROFORM	8	UG/L			5		RFVO	13-SEP-89
P209789	TRG	GSEP25890989001D	CHLOROFORM	5	UG/L		U	5		RFVO	13-SEP-89
P210189	TRG	GSEP30890989001	CHLOROFORM	590	UG/L			5	A	RFVO	28-SEP-89
P207389	TRG	GSEP01890989001	CHLOROMETHANE	10	UG/L		U	10		RFVO	21-SEP-89
P207489	TRG	GSEP02890989001	CHLOROMETHANE	10	UG/L		U	10		RFVO	20-SEP-89
P207689	TRG	GSEP04890989001	CHLOROMETHANE	10	UG/L		U	10		RFVO	14-SEP-89
P207789	TRG	GSEP05890989001	CHLOROMETHANE	10	UG/L		U	10		RFVO	14-SEP-89
P207889	TRG	GSEP06890989001	CHLOROMETHANE	10	UG/L		U	10		RFVO	15-SEP-89
P207989	TRG	GSEP07890989001	CHLOROMETHANE	10	UG/L		U	10		RFVO	14-SEP-89
P208889	TRG	GSEP16890989001	CHLOROMETHANE	10	UG/L		U	10		RFVO	17-OCT-89
P209189	TRG	GSEP19890989001D	CHLOROMETHANE	10	UG/L		U	10		RFVO	27-SEP-89
P209289	TRG	GSEP20890989001	CHLOROMETHANE	10	UG/L		U	10		RFVO	25-SEP-89
P209389	TRG	GSEP21890989001	CHLOROMETHANE	10	UG/L		U	10		RFVO	18-SEP-89
P209589	TRG	GSEP23890989001	CHLOROMETHANE	10	UG/L		U	10		RFVO	19-SEP-89
P209689	TRG	GSEP24890989001	CHLOROMETHANE	10	UG/L		U	10		RFVO	13-SEP-89
P209789	TRG	GSEP25890989001D	CHLOROMETHANE	10	UG/L		U	10		RFVO	13-SEP-89
P210189	TRG	GSEP30890989001	CHLOROMETHANE	4	UG/L		J	A 10	A	RFVO	28-SEP-89
P207389	TRG	GSEP01890989001	DIBROMOCHLOROMETHANE	5	UG/L		U	5		RFVO	21-SEP-89
P207489	TRG	GSEP02890989001	DIBROMOCHLOROMETHANE	5	UG/L		U	5		RFVO	20-SEP-89
P207689	TRG	GSEP04890989001	DIBROMOCHLOROMETHANE	5	UG/L		U	5		RFVO	14-SEP-89
P207789	TRG	GSEP05890989001	DIBROMOCHLOROMETHANE	5	UG/L		U	5		RFVO	14-SEP-89
P207889	TRG	GSEP06890989001	DIBROMOCHLOROMETHANE	5	UG/L		U	5		RFVO	15-SEP-89
P207989	TRG	GSEP07890989001	DIBROMOCHLOROMETHANE	5	UG/L	-	U	5		RFVO	14-SEP-89
P208889	TRG	GSEP16890989001	DIBROMOCHLOROMETHANE	5	UG/L		U	5		RFVO	17-OCT-89
P209189	TRG	GSEP19890989001D	DIBROMOCHLOROMETHANE	5	UG/L		U	5		RFVO	27-SEP-89
P209289	TRG	GSEP20890989001	DIBROMOCHLOROMETHANE	5	UG/L		U	5		RFVO	25-SEP-89
P209389	TRG	GSEP21890989001	DIBROMOCHLOROMETHANE	5	UG/L		U	5		RFVO	18-SEP-89
P209589	TRG	GSEP23890989001	DIBROMOCHLOROMETHANE	5	UG/L		U	5		RFVO	19-SEP-89
P209689	TRG	GSEP24890989001	DIBROMOCHLOROMETHANE	5	UG/L		U	5		RFVO	13-SEP-89
P209789	TRG	GSEP25890989001D	DIBROMOCHLOROMETHANE	5	UG/L		U	5		RFVO	13-SEP-89
P210189	TRG	GSEP30890989001	DIBROMOCHLOROMETHANE	5	UG/L		U	V 5	A	RFVO	28-SEP-89
P207389	TRG	GSEP01890989001	ETHYLBENZENE	5	UG/L		U	5		RFVO	21-SEP-89
P207489	TRG	GSEP02890989001	ETHYLBENZENE	5	UG/L		U	5		RFVO	20-SEP-89
P207689	TRG	GSEP04890989001	ETHYLBENZENE	5	UG/L		U	5		RFVO	14-SEP-89
P207789	TRG	GSEP05890989001	ETHYLBENZENE	5	UG/L		U	5		RFVO	14-SEP-89
P207889	TRG	GSEP06890989001	ETHYLBENZENE	5	UG/L		U	5		RFVO	15-SEP-89
P207989	TRG	GSEP07890989001	ETHYLBENZENE	5	UG/L		U	5		RFVO	14-SEP-89
P208889	TRG	GSEP16890989001	ETHYLBENZENE	5	UG/L		U	5		RFVO	17-OCT-89
P209189	TRG	GSEP19890989001D	ETHYLBENZENE	5	UG/L		U	5		RFVO	27-SEP-89
P209289	TRG	GSEP20890989001	ETHYLBENZENE	5	UG/L		U	5		RFVO	25-SEP-89
P209389	TRG	GSEP21890989001	ETHYLBENZENE	5	UG/L		U	5		RFVO	18-SEP-89
P209589	TRG	GSEP23890989001	ETHYLBENZENE	5	UG/L		U	5		RFVO	19-SEP-89
P209689	TRG	GSEP24890989001	ETHYLBENZENE	5	UG/L		U	5		RFVO	13-SEP-89
P209789	TRG	GSEP25890989001D	ETHYLBENZENE	5	UG/L		U	5		RFVO	13-SEP-89
P210189	TRG	GSEP30890989001	ETHYLBENZENE	5	UG/L		U	A 5	A	RFVO	28-SEP-89
P207389	TRG	GSEP01890989001	METHYLENE CHLORIDE	5	UG/L		U	5		RFVO	21-SEP-89
P207489	TRG	GSEP02890989001	METHYLENE CHLORIDE	5	UG/L		U	5		RFVO	20-SEP-89
P207689	TRG	GSEP04890989001	METHYLENE CHLORIDE	5	UG/L		U	5		RFVO	14-SEP-89
P207789	TRG	GSEP05890989001	METHYLENE CHLORIDE	5	UG/L		U	5		RFVO	14-SEP-89
P207889	TRG	GSEP06890989001	METHYLENE CHLORIDE	4	UG/L		JB	5		RFVO	15-SEP-89
P207989	TRG	GSEP07890989001	METHYLENE CHLORIDE	5	UG/L		U	5		RFVO	14-SEP-89
P208889	TRG	GSEP16890989001	METHYLENE CHLORIDE	5	UG/L		B	5		RFVO	17-OCT-89
P209189	TRG	GSEP19890989001D	METHYLENE CHLORIDE	5	UG/L		U	5		RFVO	27-SEP-89
P209289	TRG	GSEP20890989001	METHYLENE CHLORIDE	10	UG/L		B	5		RFVO	25-SEP-89
P209389	TRG	GSEP21890989001	METHYLENE CHLORIDE	2	UG/L		JB	5		RFVO	18-SEP-89
P209589	TRG	GSEP23890989001	METHYLENE CHLORIDE	5	UG/L		U	5		RFVO	19-SEP-89
P209689	TRG	GSEP24890989001	METHYLENE CHLORIDE	3	UG/L		JB	5		RFVO	13-SEP-89

Location ID		Proj_Sample_No	Chemical	Result	Unit	Err	Qual.		D.Lmt	VA	Group	Smpl Date
P209789	TRG	GSEP25890989001D	METHYLENE CHLORIDE	3	UG/L		JB		5		RFVO	13-SEP-89
P210189	TRG	GSEP30890989001	METHYLENE CHLORIDE	6	UG/L		B	A	5	A	RFVO	28-SEP-89
P207389	TRG	GSEP01890989001	STYRENE	5	UG/L		U		5		RFVO	21-SEP-89
P207489	TRG	GSEP02890989001	STYRENE	5	UG/L		U		5		RFVO	20-SEP-89
P207689	TRG	GSEP04890989001	STYRENE	5	UG/L		U		5		RFVO	14-SEP-89
P207789	TRG	GSEP05890989001	STYRENE	5	UG/L		U		5		RFVO	14-SEP-89
P207889	TRG	GSEP06890989001	STYRENE	5	UG/L		U		5		RFVO	15-SEP-89
P207989	TRG	GSEP07890989001	STYRENE	5	UG/L		U		5		RFVO	14-SEP-89
P208889	TRG	GSEP16890989001	STYRENE	5	UG/L		U		5		RFVO	17-OCT-89
P209189	TRG	GSEP19890989001D	STYRENE	5	UG/L		U		5		RFVO	27-SEP-89
P209289	TRG	GSEP20890989001	STYRENE	5	UG/L		U		5		RFVO	25-SEP-89
P209389	TRG	GSEP21890989001	STYRENE	5	UG/L		U		5		RFVO	18-SEP-89
P209589	TRG	GSEP23890989001	STYRENE	5	UG/L		U		5		RFVO	19-SEP-89
P209689	TRG	GSEP24890989001	STYRENE	5	UG/L		U		5		RFVO	13-SEP-89
P209789	TRG	GSEP25890989001D	STYRENE	5	UG/L		U		5		RFVO	13-SEP-89
P210189	TRG	GSEP30890989001	STYRENE	5	UG/L		U	A	5	A	RFVO	28-SEP-89
P207389	TRG	GSEP01890989001	TETRACHLOROETHENE	5	UG/L		U		5		RFVO	21-SEP-89
P207489	TRG	GSEP02890989001	TETRACHLOROETHENE	5	UG/L		U		5		RFVO	20-SEP-89
P207689	TRG	GSEP04890989001	TETRACHLOROETHENE	5	UG/L		U		5		RFVO	14-SEP-89
P207789	TRG	GSEP05890989001	TETRACHLOROETHENE	5	UG/L		U		5		RFVO	14-SEP-89
P207889	TRG	GSEP06890989001	TETRACHLOROETHENE	5	UG/L		U		5		RFVO	15-SEP-89
P207989	TRG	GSEP07890989001	TETRACHLOROETHENE	5	UG/L		U		5		RFVO	14-SEP-89
P208889	TRG	GSEP16890989001	TETRACHLOROETHENE	5	UG/L		U		5		RFVO	17-OCT-89
P209189	TRG	GSEP19890989001D	TETRACHLOROETHENE	3	UG/L		J		5		RFVO	27-SEP-89
P209289	TRG	GSEP20890989001	TETRACHLOROETHENE	5	UG/L		U		5		RFVO	25-SEP-89
P209389	TRG	GSEP21890989001	TETRACHLOROETHENE	3	UG/L		J		5		RFVO	18-SEP-89
P209589	TRG	GSEP23890989001	TETRACHLOROETHENE	5	UG/L		U		5		RFVO	19-SEP-89
P209689	TRG	GSEP24890989001	TETRACHLOROETHENE	5	UG/L		U		5		RFVO	13-SEP-89
P209789	TRG	GSEP25890989001D	TETRACHLOROETHENE	5	UG/L		U		5		RFVO	13-SEP-89
P210189	TRG	GSEP30890989001	TETRACHLOROETHENE	8	UG/L			V	5	A	RFVO	28-SEP-89
P207389	TRG	GSEP01890989001	TOLUENE	5	UG/L		U		5		RFVO	21-SEP-89
P207489	TRG	GSEP02890989001	TOLUENE	5	UG/L		U		5		RFVO	20-SEP-89
P207689	TRG	GSEP04890989001	TOLUENE	5	UG/L		U		5		RFVO	14-SEP-89
P207789	TRG	GSEP05890989001	TOLUENE	5	UG/L		U		5		RFVO	14-SEP-89
P207889	TRG	GSEP06890989001	TOLUENE	5	UG/L		U		5		RFVO	15-SEP-89
P207989	TRG	GSEP07890989001	TOLUENE	5	UG/L		U		5		RFVO	14-SEP-89
P208889	TRG	GSEP16890989001	TOLUENE	5	UG/L		U		5		RFVO	17-OCT-89
P209189	TRG	GSEP19890989001D	TOLUENE	5	UG/L		U		5		RFVO	27-SEP-89
P209289	TRG	GSEP20890989001	TOLUENE	5	UG/L		U		5		RFVO	25-SEP-89
P209389	TRG	GSEP21890989001	TOLUENE	2	UG/L		JB		5		RFVO	18-SEP-89
P209589	TRG	GSEP23890989001	TOLUENE	5	UG/L		U		5		RFVO	19-SEP-89
P209689	TRG	GSEP24890989001	TOLUENE	5	UG/L		U		5		RFVO	13-SEP-89
P209789	TRG	GSEP25890989001D	TOLUENE	5	UG/L		U		5		RFVO	13-SEP-89
P210189	TRG	GSEP30890989001	TOLUENE	5	UG/L		U	A	5	A	RFVO	28-SEP-89
P207389	TRG	GSEP01890989001	TOTAL XYLENES	5	UG/L		U		5		RFVO	21-SEP-89
P207489	TRG	GSEP02890989001	TOTAL XYLENES	5	UG/L		U		5		RFVO	20-SEP-89
P207689	TRG	GSEP04890989001	TOTAL XYLENES	5	UG/L		U		5		RFVO	14-SEP-89
P207789	TRG	GSEP05890989001	TOTAL XYLENES	5	UG/L		U		5		RFVO	14-SEP-89
P207889	TRG	GSEP06890989001	TOTAL XYLENES	5	UG/L		U		5		RFVO	15-SEP-89
P207989	TRG	GSEP07890989001	TOTAL XYLENES	5	UG/L		U		5		RFVO	14-SEP-89
P208889	TRG	GSEP16890989001	TOTAL XYLENES	5	UG/L		U		5		RFVO	17-OCT-89
P209189	TRG	GSEP19890989001D	TOTAL XYLENES	5	UG/L		U		5		RFVO	27-SEP-89
P209289	TRG	GSEP20890989001	TOTAL XYLENES	5	UG/L		U		5		RFVO	25-SEP-89
P209389	TRG	GSEP21890989001	TOTAL XYLENES	5	UG/L		U		5		RFVO	18-SEP-89
P209589	TRG	GSEP23890989001	TOTAL XYLENES	5	UG/L		U		5		RFVO	19-SEP-89
P209689	TRG	GSEP24890989001	TOTAL XYLENES	5	UG/L		U		5		RFVO	13-SEP-89
P209789	TRG	GSEP25890989001D	TOTAL XYLENES	5	UG/L		U		5		RFVO	13-SEP-89
P210189	TRG	GSEP30890989001	TOTAL XYLENES	5	UG/L		U	A	5	A	RFVO	28-SEP-89

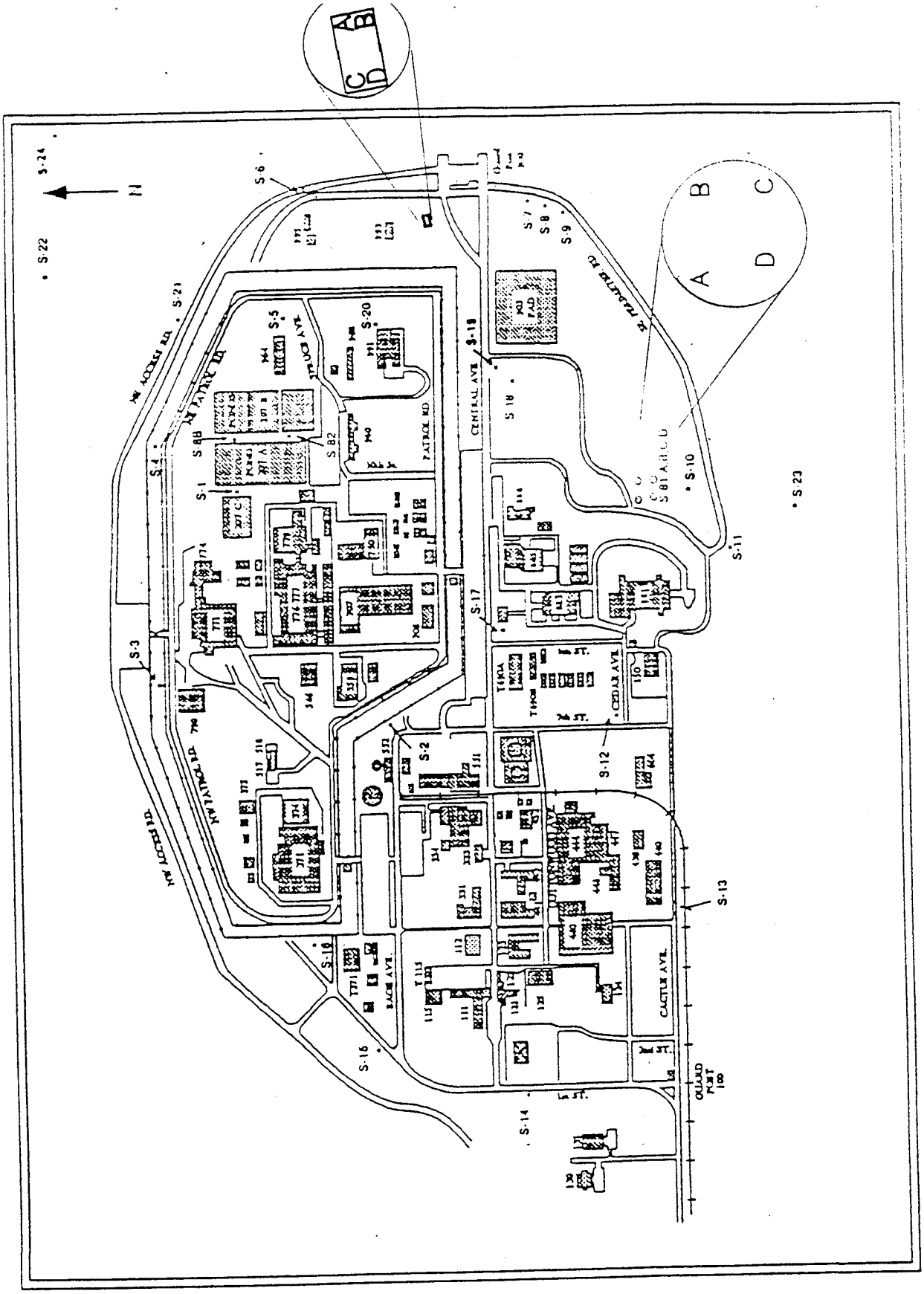
Location ID	--	Proj_Sample_No	Chemical	Result	Unit	Err	Qual.	D.Lmt	VA	Group	Smpl Date
P207389	TRG	GSEP01890989001	TRICHLOROETHENE	5	UG/L		U	5		RFVO	21-SEP-89
P207489	TRG	GSEP02890989001	TRICHLOROETHENE	5	UG/L		U	5		RFVO	20-SEP-89
P207689	TRG	GSEP04890989001	TRICHLOROETHENE	5	UG/L		U	5		RFVO	14-SEP-89
P207789	TRG	GSEP05890989001	TRICHLOROETHENE	5	UG/L		U	5		RFVO	14-SEP-89
P207889	TRG	GSEP06890989001	TRICHLOROETHENE	2	UG/L		J	5		RFVO	15-SEP-89
P207989	TRG	GSEP07890989001	TRICHLOROETHENE	5	UG/L		U	5		RFVO	14-SEP-89
P208889	TRG	GSEP16890989001	TRICHLOROETHENE	5	UG/L		U	5		RFVO	17-OCT-89
P209189	TRG	GSEP19890989001D	TRICHLOROETHENE	8	UG/L			5		RFVO	27-SEP-89
P209289	TRG	GSEP20890989001	TRICHLOROETHENE	5	UG/L		U	5		RFVO	25-SEP-89
P209389	TRG	GSEP21890989001	TRICHLOROETHENE	2	UG/L		J	5		RFVO	18-SEP-89
P209589	TRG	GSEP23890989001	TRICHLOROETHENE	5	UG/L		U	5		RFVO	19-SEP-89
P209689	TRG	GSEP24890989001	TRICHLOROETHENE	5	UG/L		U	5		RFVO	13-SEP-89
P209789	TRG	GSEP25890989001D	TRICHLOROETHENE	5	UG/L		U	5		RFVO	13-SEP-89
P210189	TRG	GSEP30890989001	TRICHLOROETHENE	3400	UG/L			5	A	RFVO	28-SEP-89
P207389	TRG	GSEP01890989001	VINYL ACETATE	10	UG/L		U	10		RFVO	21-SEP-89
P207489	TRG	GSEP02890989001	VINYL ACETATE	10	UG/L		U	10		RFVO	20-SEP-89
P207689	TRG	GSEP04890989001	VINYL ACETATE	10	UG/L		U	10		RFVO	14-SEP-89
P207789	TRG	GSEP05890989001	VINYL ACETATE	10	UG/L		U	10		RFVO	14-SEP-89
P207889	TRG	GSEP06890989001	VINYL ACETATE	10	UG/L		U	10		RFVO	15-SEP-89
P207989	TRG	GSEP07890989001	VINYL ACETATE	10	UG/L		U	10		RFVO	14-SEP-89
P208889	TRG	GSEP16890989001	VINYL ACETATE	10	UG/L		U	10		RFVO	17-OCT-89
P209189	TRG	GSEP19890989001D	VINYL ACETATE	10	UG/L		U	10		RFVO	27-SEP-89
P209289	TRG	GSEP20890989001	VINYL ACETATE	10	UG/L		U	10		RFVO	25-SEP-89
P209389	TRG	GSEP21890989001	VINYL ACETATE	10	UG/L		U	10		RFVO	18-SEP-89
P209589	TRG	GSEP23890989001	VINYL ACETATE	10	UG/L		U	10		RFVO	19-SEP-89
P209689	TRG	GSEP24890989001	VINYL ACETATE	10	UG/L		U	10		RFVO	13-SEP-89
P209789	TRG	GSEP25890989001D	VINYL ACETATE	10	UG/L		U	10		RFVO	13-SEP-89
P210189	TRG	GSEP30890989001	VINYL ACETATE	10	UG/L		U	R 10	A	RFVO	28-SEP-89
P207389	TRG	GSEP01890989001	VINYL CHLORIDE	10	UG/L		U	10		RFVO	21-SEP-89
P207489	TRG	GSEP02890989001	VINYL CHLORIDE	10	UG/L		U	10		RFVO	20-SEP-89
P207689	TRG	GSEP04890989001	VINYL CHLORIDE	10	UG/L		U	10		RFVO	14-SEP-89
P207789	TRG	GSEP05890989001	VINYL CHLORIDE	10	UG/L		U	10		RFVO	14-SEP-89
P207889	TRG	GSEP06890989001	VINYL CHLORIDE	10	UG/L		U	10		RFVO	15-SEP-89
P207989	TRG	GSEP07890989001	VINYL CHLORIDE	10	UG/L		U	10		RFVO	14-SEP-89
P208889	TRG	GSEP16890989001	VINYL CHLORIDE	10	UG/L		U	10		RFVO	17-OCT-89
P209189	TRG	GSEP19890989001D	VINYL CHLORIDE	10	UG/L		U	10		RFVO	27-SEP-89
P209289	TRG	GSEP20890989001	VINYL CHLORIDE	10	UG/L		U	10		RFVO	25-SEP-89
P209389	TRG	GSEP21890989001	VINYL CHLORIDE	10	UG/L		U	10		RFVO	18-SEP-89
P209589	TRG	GSEP23890989001	VINYL CHLORIDE	10	UG/L		U	10		RFVO	19-SEP-89
P209689	TRG	GSEP24890989001	VINYL CHLORIDE	10	UG/L		U	10		RFVO	13-SEP-89
P209789	TRG	GSEP25890989001D	VINYL CHLORIDE	10	UG/L		U	10		RFVO	13-SEP-89
P210189	TRG	GSEP30890989001	VINYL CHLORIDE	10	UG/L		U	V 10	A	RFVO	28-SEP-89
P207389	TRG	GSEP01890989001	cis-1,3-DICHLOROPROPENE	5	UG/L		U	5		RFVO	21-SEP-89
P207489	TRG	GSEP02890989001	cis-1,3-DICHLOROPROPENE	5	UG/L		U	5		RFVO	20-SEP-89
P207689	TRG	GSEP04890989001	cis-1,3-DICHLOROPROPENE	5	UG/L		U	5		RFVO	14-SEP-89
P207789	TRG	GSEP05890989001	cis-1,3-DICHLOROPROPENE	5	UG/L		U	5		RFVO	14-SEP-89
P207889	TRG	GSEP06890989001	cis-1,3-DICHLOROPROPENE	5	UG/L		U	5		RFVO	15-SEP-89
P207989	TRG	GSEP07890989001	cis-1,3-DICHLOROPROPENE	5	UG/L		U	5		RFVO	14-SEP-89
P208889	TRG	GSEP16890989001	cis-1,3-DICHLOROPROPENE	5	UG/L		U	5		RFVO	17-OCT-89
P209189	TRG	GSEP19890989001D	cis-1,3-DICHLOROPROPENE	5	UG/L		U	5		RFVO	27-SEP-89
P209289	TRG	GSEP20890989001	cis-1,3-DICHLOROPROPENE	5	UG/L		U	5		RFVO	25-SEP-89
P209389	TRG	GSEP21890989001	cis-1,3-DICHLOROPROPENE	5	UG/L		U	5		RFVO	18-SEP-89
P209589	TRG	GSEP23890989001	cis-1,3-DICHLOROPROPENE	5	UG/L		U	5		RFVO	19-SEP-89
P209689	TRG	GSEP24890989001	cis-1,3-DICHLOROPROPENE	5	UG/L		U	5		RFVO	13-SEP-89
P209789	TRG	GSEP25890989001D	cis-1,3-DICHLOROPROPENE	5	UG/L		U	5		RFVO	13-SEP-89
P210189	TRG	GSEP30890989001	cis-1,3-DICHLOROPROPENE	5	UG/L		U	V 5	A	RFVO	28-SEP-89
P207389	TRG	GSEP01890989001	trans-1,3-DICHLOROPROPENE	5	UG/L		U	5		RFVO	21-SEP-89
P207489	TRG	GSEP02890989001	trans-1,3-DICHLOROPROPENE	5	UG/L		U	5		RFVO	20-SEP-89

Location ID		Proj_Sample_No	Chemical	Result	Unit	Err	Qual.	D.Lmt	VA	Group	Smpl Date
P207689	TRG	GSEP04890989001	trans-1,3-DICHLOROPROPENE	5	UG/L		U	5		RFVO	14-SEP-89
P207789	TRG	GSEP05890989001	trans-1,3-DICHLOROPROPENE	5	UG/L		U	5		RFVO	14-SEP-89
P207889	TRG	GSEP06890989001	trans-1,3-DICHLOROPROPENE	5	UG/L		U	5		RFVO	15-SEP-89
P207989	TRG	GSEP07890989001	trans-1,3-DICHLOROPROPENE	5	UG/L		U	5		RFVO	14-SEP-89
P208889	TRG	GSEP16890989001	trans-1,3-DICHLOROPROPENE	5	UG/L		U	5		RFVO	17-OCT-89
P209189	TRG	GSEP19890989001D	trans-1,3-DICHLOROPROPENE	5	UG/L		U	5		RFVO	27-SEP-89
P209289	TRG	GSEP20890989001	trans-1,3-DICHLOROPROPENE	5	UG/L		U	5		RFVO	25-SEP-89
P209389	TRG	GSEP21890989001	trans-1,3-DICHLOROPROPENE	5	UG/L		U	5		RFVO	18-SEP-89
P209589	TRG	GSEP23890989001	trans-1,3-DICHLOROPROPENE	5	UG/L		U	5		RFVO	19-SEP-89
P209689	TRG	GSEP24890989001	trans-1,3-DICHLOROPROPENE	5	UG/L		U	5		RFVO	13-SEP-89
P209789	TRG	GSEP25890989001D	trans-1,3-DICHLOROPROPENE	5	UG/L		U	5		RFVO	13-SEP-89
P210189	TRG	GSEP30890989001	trans-1,3-DICHLOROPROPENE	5	UG/L		U	V 5	A	RFVO	28-SEP-89

APPENDIX G

AIR MONITORING DATA
ROCKY FLATS PLANT

- Monthly results from Radioactive Ambient Air Monitoring Program (RAAMP), 1988-1991



Onsite Radioactive Ambient Air Quality Monitoring Site Locations

JAN

Table 4

Plutonium Concentrations in Ambient Air for Onsite Samplers

(12/24/90 - 01/21/91)

Location	Number Composited Monthly Samples	Volume (m3)	Average Plutonium Concentration (pCi/m3)	± 95 percent Confidence Interval (pCi/m3)
S-01[b]	1	36000		
S-02	1	36000	0.000073	0.000013
S-03	1	34000	0.000004	0.000002
S-04	1	28000	0.000003	0.000002
S-05	1	36000	0.000069	0.000014
S-06	1	32000	0.000074	0.000016
S-07	1	32000	0.000020	0.000006
S-08	1	38000	0.000045	0.000008
S-8B	1	34000	0.000230	0.000044
S-09	1	35000	0.000461	0.000085
S-10	1	31000	0.000004	0.000000
S-11	1	31000	0.000005	0.000002
S-12	1	34000	0.000010	0.000003
S-13	1	30000	0.000001	0.000001
S-14	1	30000	0.000001	0.000001
S-15	1	32000	0.000002	0.000002
S-16	1	36000	0.000002	0.000002
S-17	1	32000	0.000007	0.000004
S-18	1	32000	0.000021	0.000006
S-19	1	32000	0.000010	0.000003
S-20	1	32000	0.000013	0.000004
S-21	1	35000	0.000018	0.000005
S-22	1	29000	0.000011	0.000004
S-23	1	31000	0.000002	0.000002
S-24	1	36000	0.000003	0.000002
S-81[a]				

a Sampler was inoperable during the sampling period.
b Incomplete lab analyses

rED

Table 4

Plutonium Concentrations in Ambient Air for Onsite Samplers

(01/21/91 - 02/18/91)

Location	Number Composited Monthly Samples	Volume (m3)	Average Plutonium Concentration (pCi/m3)	± 95 percent Confidence Interval (pCi/m3)
S-01	1	35000	0.000336	0.000055
S-02	1	36000	0.000005	0.000004
S-03	1	34000	-0.000001	0.000002
S-04	1	28000	0.000002	0.000003
S-05	1	35000	0.000106	0.000015
S-06	1	31000	0.000089	0.000017
S-07	1	30000	0.000023	0.000005
S-08	1	35000	0.000052	0.000013
S-8B	1	33000	0.000379	0.000058
S-09	1	33000	0.000043	0.000009
S-10	1	31000	0.000001	0.000003
S-11	1	31000	0.000003	0.000003
S-12	1	32000	0.000005	0.000004
S-13	1	29000	0.000008	0.000004
S-14	1	31000	0.000003	0.000005
S-15	1	32000	0.000006	0.000003
S-16	1	35000	0.000001	0.000002
S-17	1	30000	0.000008	0.000004
S-18	1	33000	0.000010	0.000003
S-19	1	31000	0.000017	0.000006
S-20	1	31000	0.000009	0.000004
S-21	1	35000	0.000003	0.000003
S-22	1	29000	0.000000	0.000003
S-23	1	32000	0.000003	0.000003
S-24	1	36000	-0.000001	0.000003
S-81[a]				

a Sampler was inoperable during the sampling period.

MARCH

Table 4 - Errata March

Plutonium Concentration in Ambient Air for Onsite Samplers

(02/18/91 - 04/02/91)

Location	Number Composited Monthly Samples	Volume (m3)	Average Plutonium Concentration (pCi/m3)	± 95 percent Confidence Interval (pCi/m3)
S-01	1	54000	0.001205	0.000173
S-02	1	53000	0.000001	0.000002
S-03*	1	34000	-0.000002	0.000003
S-04	1	42000	0.000003	0.000003
S-05	1	54000	0.000087	0.000016
S-06	1	50000	0.000080	0.000012
S-07	1	47000	0.000043	0.000007
S-08	1	53000	0.000076	0.000014
S-08B	1	50000	0.000080	0.000012
S-09**	1	50000		
S-10	1	45000	0.000001	0.000003
S-11	1	47000	0.000000	0.000002
S-12	1	50000	0.000008	0.000005
S-13	1	44000	0.000001	0.000003
S-14	1	45000	-0.000001	0.000002
S-15	1	49000	0.000001	0.000001
S-16	1	58000	0.000006	0.000003
S-17	1	48000	0.000005	0.000004
S-18	1	49000	0.000022	0.000004
S-19	1	50000	0.000014	0.000005
S-20	1	48000	0.000020	0.000006
S-21	1	56000	0.000023	0.000005
S-22	1	43000	-0.000001	0.000003
S-23	1	48000	0.000004	0.000003
S-24	1	55000	0.000000	0.000002
S-81*	1	50000	0.000012	0.000005

* Previously reported as incomplete lab analysis.

** Previously reported as incomplete lab analysis - sample was lost.

Table 4 - Errata April

Plutonium Concentration in Ambient Air for Onsite Samplers

(04/01/91 - 04/29/91)

Location	Number Composited Monthly Samples	Volume (m3)	Average Plutonium Concentration (pCi/m3)	± 95 percent Confidence Interval (pCi/m3)
S-01*	1	18000	0.003197	0.000524
S-02	1	32000	0.000004	0.000004
S-03**				
S-04	1	27000	0.000003	0.000004
S-05*	1	18000	0.000090	0.000019
S-06*	1	32000	0.000322	0.000052
S-07*	1	27000	0.000024	0.000007
S-08	1	33000	0.000010	0.000005
S-08B*	1	17000	0.000098	0.000023
S-09*	1	31000	0.000060	0.000014
S-10	1	32000	0.000093	0.000021
S-11	1	30000	0.000001	0.000003
S-12	1	33000	0.000007	0.000004
S-13	1	30000	0.000000	0.000003
S-14	1	28000	-0.000004	0.000002
S-15*	1	31000	0.000012	0.000005
S-16	1	34000	0.000006	0.000005
S-17	1	30000	0.000013	0.000006
S-18*	1	32000	0.00022	0.000007
S-19	1	21000	0.000002	0.000004
S-20	1	16000	0.000020	0.000010
S-21	1	34000	0.000002	0.000003
S-22	1	27000	0.000004	0.000004
S-23	1	31000	0.000000	0.000003
S-24	1	31000	-0.000001	0.000002
S-81*	1	34000	0.000006	0.000005

* Previously reported as incomplete lab analysis.

** Previoulsy rpeorted as incomplete lab analysis - sample was lost due to sampler malfunction.

MAY

Table 4

Plutonium Concentrations in Ambient Air for Onsite Samplers

(04/29/91 - 05/27/91)

Location	Number Composited Monthly Samples	Volume (m3)	Average Plutonium Concentration (pCi/m3)	± 95 percent Confidence Interval (pCi/m3)
S-01	1	30000	0.000673	0.000104
S-02*	1	30000		
S-03**	1			
S-04	1	28000	0.000015	0.000006
S-05	1	29000	0.000032	0.000007
S-06	1	33000	0.000362	0.000060
S-07	1	29000	0.000048	0.000010
S-08*	1	36000		
S-08B	1	24000	0.000056	0.000013
S-09	1	32000	0.000056	0.000010
S-10*	1	32000		
S-11	1	32000	0.000005	0.000003
S-12	1	34000	0.000008	0.000004
S-13*	1	33000		
S-14*	1	30000		
S-15	1	32000	0.000003	0.000002
S-16	1	35000	0.000003	0.000002
S-17*	1	32000		
S-18	1	33000	0.000014	0.000004
S-19	1	29000	0.000022	0.000006
S-20	1	30000	0.000021	0.000006
S-21	1	35000	0.000013	0.000004
S-22	1	28000	0.000009	0.000004
S-23	1	33000	0.000005	0.000003
S-24*	1	30000		
S-81**	*			

* Incomplete lab analysis.

** S-03 and S-81 samplers were inoperable during the sampling period.

JUNE

Table 4

Plutonium Concentrations in Ambient Air for Onsite Samplers

(05/28/91 - 06/24/91)

Location	Number Composited Monthly Samples	Volume (m3)	Average Plutonium Concentration (pCi/m3)	± 95 percent Confidence Interval (pCi/m3)
S-01*				
S-02	1	35000	0.000001	0.000001
S-03*				
S-04	1	26000	0.000009	0.000003
S-05	1	29000	0.000029	0.000006
S-06	1	29000	0.000034	0.000007
S-07	1	27000	0.000041	0.000008
S-08	1	33000	0.000063	0.000012
S-8B	1	22000	0.000001	0.000002
S-09	1	25000	0.000055	0.000011
S-10	1	13000	0.000013	0.000010
S-11	1	13000	0.000006	0.000004
S-12**				
S-13	1	30000	0.000015	0.000004
S-14	1	26000	0.000002	0.000002
S-15**				
S-16	1	32000	0.000001	0.000001
S-17	1	18000	0.000009	0.000005
S-18	1	31000	0.000022	0.000005
S-19*				
S-20	1	28000	0.000022	0.000005
S-21	1	32000	0.000008	0.000002
S-22	1	27000	0.000004	0.000002
S-23***	1	3000	0.000011	0.000013
S-24	1	27000	0.000001	0.000002
S-81*				

* Sampler was inoperable during the sampling period.
** These samplers were removed from the RAAMP network and will be used at the new community operated monitoring stations.
*** Sampler was inoperable for part of the sampling period.

JULY

Table 4

Plutonium Concentrations in Ambient Air for Onsite Samplers

(06/24/91 - 07/22/91)

Location	Number Composited Monthly Samples	Volume (m3)	Average Plutonium Concentration (pCi/m3)	± 95 percent Confidence Interval (pCi/m3)
S-01[a]				
S-02	1	28000	0.000007	0.000003
S-03[a]				
S-04[d]	1	31000	0.000005	0.000002
S-05	1	30000	0.000038	0.000010
S-06	1	27000	0.000062	0.000014
S-07	1	28000	0.000101	0.000021
S-08	1	36000	0.000165	0.000025
S-8B	1	20000	0.000090	0.000021
S-09[b]	1			
S-10	1	30000	0.000010	0.000007
S-11	1	30000	0.000015	0.000009
S-12[c]				
S-13	1	30000	0.000028	0.000011
S-14	1	27000	0.000006	0.000005
S-15[c]				
S-16	1	33000	0.000028	0.000013
S-17	1	29000	0.000017	0.000009
S-18	1	32000	0.000014	0.000006
S-19	1	28000	0.000013	0.000008
S-20	1	28000	0.000495	0.000078
S-21	1	24000	0.000012	0.000004
S-22	1	27000	0.000009	0.000003
S-23[e]	1	16000	0.000008	0.000004
S-24	1	27000	0.000003	0.000002
S-81	1	34700	0.000004	0.000003

a Sampler was inoperable during the sampling period.
b Incomplete lab analyses.
c These samplers were removed from the RAAMP network and will be used at the new community operated monitoring stations.
d This volume has been estimated due to mechanical problems with the hour meter.
e Sampler was inoperable for part of the sampling period.

AUG

Table 4

Plutonium Concentrations in Ambient Air for Onsite Samplers

(7/22/91 - 08/19/91)

Location	Number Composited Monthly Samples	Volume (m3)	Average Plutonium Concentration (pCi/m3)	± 95 percent Confidence Interval (pCi/m3)
S-01[a]				
S-02	1	28000	0.000005	0.000004
S-03[a]				
S-04[b]	1	31000	0.000001	0.000003
S-05	1	29000	0.000007	0.000003
S-06	1	30000	0.000013	0.000004
S-07	1	27000	0.000024	0.000006
S-08	1	36000	0.000061	0.000011
S-08B	1	32000	0.000708	0.000100
S-09	1	28000	0.000052	0.000010
S-10	1	30000	0.000001	0.000003
S-11	1	30000	0.000001	0.000003
S-12[c]				
S-13	1	30000	-0.000002	0.000002
S-14	1	27000	-0.000002	0.000003
S-15[c]				
S-16	1	33000	0.000000	0.000003
S-17	1	29000	0.000005	0.000004
S-18	1	33000	0.000003	0.000002
S-19	1	29000	0.000010	0.000005
S-20	1	29000	0.000007	0.000004
S-21	1	33000	0.000005	0.000003
S-22	1	27000	0.000001	0.000003
S-23	1	32000	-0.000001	0.000002
S-24	1	28000	0.000000	0.000003
S-81	1	47000	0.000020	0.000007

a Sampler was inoperable during the sampling period.

b This volume has been estimated due to mechanical problems with the hour meter.

c These samplers were removed from the RAAMP network and will be used at the new community operated monitoring stations.

SEP 1

Table 4

Plutonium Concentrations in Ambient Air for Onsite Samplers

(08/27/91 - 09/30/91)

Location	Number Composited Monthly Samples	Volume (m3)	Average Plutonium Concentration (pCi/m3)	± 95 percent Confidence Interval (pCi/m3)
S-01[a]				
S-02	1	43000	0.000006	0.000002
S-03[a]				
S-04	1	45000	0.000015	0.000003
S-05	1	45000	0.000076	0.000012
S-06	1	44000	0.000161	0.000021
S-07	1	42000	0.000081	0.000014
S-08	1	49000	0.000125	0.000017
S-08B	1	45000	0.000041	0.000008
S-09	1	45000	0.000002	0.000001
S-10	1	46000	0.000016	0.000004
S-11	1	46000	0.000005	0.000002
S-12[b]				
S-13	1	46000	0.000002	0.000001
S-14	1	47000	0.000001	0.000001
S-15[b]				
S-16	1	49000	0.000001	0.000001
S-17	1	43000	0.000005	0.000002
S-18	1	48000	0.000015	0.000003
S-19	1	43000	0.000015	0.000004
S-20	1	44000	0.000014	0.000004
S-21[c]	1			
S-22	1	42000	0.000008	0.000002
S-23	1	48000	0.000006	0.000002
S-24	1	44000	0.000004	0.000002
S-81	1	50866	0.000005	0.000002

a Sampler was inoperable during the sampling period.

b These samplers were removed from the RAAMP network and will be used at the new community operated monitoring stations.

c Incomplete laboratory analyses.

	A	B	C	D	E	F
1	ONSITE 1990 DATA					
2	SAMPLER	MONTH	VOLUME	pCi/cu m	%ERROR	
3						
4	S-01	JANUARY	38939	0.000000	0.000000	
5	S-01	FEBRUARY	37119	0.000336	0.000000	
6	S-01	MARCH	39000	0.000516	0.000082	
7	S-01	APRIL	53286	0.001596	0.000340	
8	S-01	MAY	35233	0.001983	0.000405	
9	S-01	JUNE	19654	0.003057	0.000554	
10	S-01	JULY	29875	0.000813	0.000272	
11	S-01	AUGUST	31283	0.000000	0.000000	
12	S-01	SEPTEMBER	31283	0.000436	0.000088	
13	S-01	OCTOBER	33810	0.000902	0.000169	
14	S-01	NOVEMBER	32851	0.000589	0.000090	
15	S-01	DECEMBER	35032	0.001147	0.000194	
16						
17	S-02	JANUARY	0			
18	S-02	FEBRUARY	0			
19	S-02	MARCH	0			
20	S-02	APRIL	0			
21	S-02	MAY	17726	0.000007	0.000005	
22	S-02	JUNE	15992	0.000024	0.000008	
23	S-02	JULY	31275	0.000003	0.000003	
24	S-02	AUGUST	32258	0.000003	0.000004	
25	S-02	SEPTEMBER	26762	0.000003	0.000004	
26	S-02	OCTOBER	31869	0.000003	0.000004	
27	S-02	NOVEMBER	31705	0.000012	0.000006	
28	S-02	DECEMBER	34991	0.000004	0.000003	
29						
30	S-03	JANUARY	DOWN			
31	S-03	FEBRUARY	8000	0.00001	0.000014	
32	S-03	MARCH	31000	0.000004	0.000002	
33	S-03	APRIL	49112	0.000000	0.000001	
34	S-03	MAY	34000	0.000000	0.000001	
35	S-03	JUNE	32158	0.000002	0.000002	
36	S-03	JULY	31510	0.000002	0.000003	
37	S-03	AUGUST	30659	0.000003	0.000004	
38	S-03	SEPTEMBER	29271	0.000003	0.000004	
39	S-03	OCTOBER	32346	0.000002	0.000003	
40	S-03	NOVEMBER	33573	0.000002	0.000004	
41	S-03	DECEMBER	34369	0.000003	0.000003	

	A	B	C	D	E	F
42	SAMPLER	MONTH	VOLUME	pCi/cu m	%ERROR	
43	S-04	JANUARY	19526	0.000181	0.000001	
44	S-04	FEBRUARY	26631	0.000013	0.000006	
45	S-04	MARCH	14000	0.000009	0.000006	
46	S-04	APRIL	40619	0.000004	0.000002	
47	S-04	MAY	25799	0.000007	0.000004	
48	S-04	JUNE	24523	0.000009	0.000005	
49	S-04	JULY	23987	0.000007	0.000005	
50	S-04	AUGUST	24747	0.000006	0.000005	
51	S-04	SEPTEMBER	26484	0.000006	0.000005	
52	S-04	OCTOBER	27230	0.000007	0.000005	
53	S-04	NOVEMBER	26713	0.000014	0.000009	
54	S-04	DECEMBER	27778	0.000001	0.000003	
55						
56	S-05	JANUARY	31534	0.000187	0.000027	
57	S-05	FEBRUARY	32274	0.000111	0.000024	
58	S-05	MARCH	32000	0.000024	0.000019	
59	S-05	APRIL	46595	0.000050	0.000015	
60	S-05	MAY	30933	0.000048	0.000016	
61	S-05	JUNE	30017	0.000086	0.000019	
62	S-05	JULY	31729	0.000026	0.000012	
63	S-05	AUGUST	32000	0.000004	0.000009	
64	S-05	SEPTEMBER	30590	0.000013	0.000009	
65	S-05	OCTOBER	33445	0.000109	0.000026	
66	S-05	NOVEMBER	32462	0.000080	0.000021	
67	S-05	DECEMBER	35346	0.000453	0.000074	
68						
69	S-06	JANUARY	24820	0.000043	0.000014	
70	S-06	FEBRUARY	26463	0.000039	0.000018	
71	S-06	MARCH	26000	0.000013	0.000030	
72	S-06	APRIL	45756	0.000061	0.000016	
73	S-06	MAY	33752	0.000068	0.000015	
74	S-06	JUNE	32994	0.000066	0.000017	
75	S-06	JULY	31680	0.000026	0.000015	
76	S-06	AUGUST	32000	0.000131	0.000038	
77	S-06	SEPTEMBER	30855	0.000041	0.000016	
78	S-06	OCTOBER	32033	0.000482	0.000084	
79	S-06	NOVEMBER	31007	0.000279	0.000056	
80	S-06	DECEMBER	33177	0.000279	0.000041	

	A	B	C	D	E	F
81	SAMPLER	MONTH	VOLUME	pCi/cu m	%ERROR	
82	S-07	JANUARY	31701	0.000063	0.000007	
83	S-07	FEBRUARY	32692	0.000092	0.000022	
84	S-07	MARCH	32000	0.000061	0.000027	
85	S-07	APRIL	45870	0.000070	0.000017	
86	S-07	MAY	30202	0.000098	0.000022	
87	S-07	JUNE	29171	0.000185	0.000033	
88	S-07	JULY	27992	0.000670	0.000147	
89	S-07	AUGUST	28000	0.000010	0.000006	
90	S-07	SEPTEMBER	28273	0.000017	0.000006	
91	S-07	OCTOBER	30387	0.000022	0.000009	
92	S-07	NOVEMBER	33237	0.000041	0.000013	
93	S-07	DECEMBER	30521	0.000082	0.000016	
94						
95	S-08	JANUARY	36003	0.000030	0.000001	
96	S-08	FEBRUARY	37307	0.000047	0.000011	
97	S-08	MARCH	36000	0.000096	0.000023	
98	S-08	APRIL	52877	0.000024	0.000008	
99	S-08	MAY	34696	0.000026	0.000008	
100	S-08	JUNE	33843	0.000048	0.000014	
101	S-08	JULY	32648	0.000093	0.000031	
102	S-08	AUGUST	32932	0.000093	0.000024	
103	S-08	SEPTEMBER	33120	0.000093	0.000024	
104	S-08	OCTOBER	34123	0.000026	0.000008	
105	S-08	NOVEMBER	34197	0.000047	0.000015	
106	S-08	DECEMBER	35647	0.000108	0.000022	
107						
108	S-09	JANUARY	36859	0.000166	0.000021	
109	S-09	FEBRUARY	38149	0.000328	0.000056	
110	S-09	MARCH	37000	0.000243	0.000041	
111	S-09	APRIL	50579	0.000033	0.000010	
112	S-09	MAY	29798	0.000040	0.000012	
113	S-09	JUNE	27476	0.000090	0.000020	
114	S-09	JULY	24766	0.000119	0.000039	
115	S-09	AUGUST	27000	0.000064	0.000026	
116	S-09	SEPTEMBER	27317	0.000042	0.000019	
117	S-09	OCTOBER	31427	0.000046	0.000014	
118	S-09	NOVEMBER	31159	0.000040	0.000010	
119	S-09	DECEMBER	33877	0.000074	0.000015	

	A	B	C	D	E	F
120	SAMPLER	MONTH	VOLUME	pCi/cu m	%ERROR	
121	S-10	JANUARY	33352	0.000002	0.000002	
122	S-10	FEBRUARY	33482	0.000007	0.000004	
123	S-10	MARCH	17000	0.000016	0.000009	
124	S-10	APRIL	46488	0.000004	0.000002	
125	S-10	MAY	31009	0.000005	0.000003	
126	S-10	JUNE	29549	0.000008	0.000004	
127	S-10	JULY	29199	0.000007	0.000004	
128	S-10	AUGUST	23960	0.000005	0.000005	
129	S-10	SEPTEMBER	24953	0.000005	0.000005	
130	S-10	OCTOBER	30490	0.000003	0.000003	
131	S-10	NOVEMBER	30628	0.000004	0.000004	
132	S-10	DECEMBER	31478	0.000002	0.000003	
133						
134	S-11	JANUARY	32450	0.000006	0.000003	
135	S-11	FEBRUARY	33459	0.000005	0.000004	
136	S-11	MARCH	32000	0.000008	0.000004	
137	S-11	APRIL	48264	0.000004	0.000002	
138	S-11	MAY	31649	0.000006	0.000003	
139	S-11	JUNE	30704	0.000004	0.000003	
140	S-11	JULY	29603	0.000007	0.000004	
141	S-11	AUGUST	29803	0.000007	0.000005	
142	S-11	SEPTEMBER	29778	0.000007	0.000005	
143	S-11	OCTOBER	30652	0.000001	0.000003	
144	S-11	NOVEMBER	30362	0.000003	0.000004	
145	S-11	DECEMBER	31743	0.000000	0.000003	
146						
147	S-12	JANUARY	30543	0.000023	0.000005	
148	S-12	FEBRUARY	32922	0.000022	0.000006	
149	S-12	MARCH	32000	0.000015	0.000005	
150	S-12	APRIL	50948	0.000007	0.000003	
151	S-12	MAY	34048	0.000011	0.000004	
152	S-12	JUNE	32867	0.000012	0.000004	
153	S-12	JULY	32285	0.000007	0.000003	
154	S-12	AUGUST	32576	0.000008	0.000005	
155	S-12	SEPTEMBER	29155	0.000009	0.000006	
156	S-12	OCTOBER	31531	0.000011	0.000005	
157	S-12	NOVEMBER	33003	0.000023	0.000009	
158	S-12	DECEMBER	33719	0.000002	0.000003	

	A	B	C	D	E	F
159	SAMPLER	MONTH	VOLUME	pCi/cu m	%ERROR	
160	S-13	JANUARY	33466	0.000003	0.000000	
161	S-13	FEBRUARY	33749	0.000001	0.000003	
162	S-13	MARCH	34000	0.000004	0.000002	
163	S-13	APRIL	47981	0.000005	0.000002	
164	S-13	MAY	31966	0.000008	0.000003	
165	S-13	JUNE	30736	0.000002	0.000002	
166	S-13	JULY	29109	0.000008	0.000004	
167	S-13	AUGUST	29520	0.000002	0.000003	
168	S-13	SEPTEMBER	30097	0.000002	0.000003	
169	S-13	OCTOBER	30174	0.000001	0.000003	
170	S-13	NOVEMBER	27322	0.000007	0.000006	
171	S-13	DECEMBER	29035	0.000001	0.000003	
172						
173	S-14	JANUARY	28490	0.000001	0.000002	
174	S-14	FEBRUARY	28890	0.000002	0.000004	
175	S-14	MARCH	29000	0.000003	0.000002	
176	S-14	APRIL	44410	0.000001	0.000001	
177	S-14	MAY	29291	0.000001	0.000002	
178	S-14	JUNE	28300	0.000002	0.000002	
179	S-14	JULY	27805	0.000002	0.000002	
180	S-14	AUGUST	27594	0.000003	0.000004	
181	S-14	SEPTEMBER	27854	0.000002	0.000004	
182	S-14	OCTOBER	28969	0.000004	0.000004	
183	S-14	NOVEMBER	27651	0.000006	0.000005	
184	S-14	DECEMBER	29717	0.000000	0.000003	
185						
186	S-15	JANUARY	30381	0.000002	0.000002	
187	S-15	FEBRUARY	31466	0.000003	0.000003	
188	S-15	MARCH	32000	0.000028	0.000013	
189	S-15	APRIL	47110	0.000001	0.000001	
190	S-15	MAY	31087	0.000002	0.000002	
191	S-15	JUNE	29890	0.000003	0.000002	
192	S-15	JULY	28488	0.000005	0.000004	
193	S-15	AUGUST	30000	0.000001	0.000003	
194	S-15	SEPTEMBER	33437	-0.000001	0.000003	
195	S-15	OCTOBER	32586	0.000002	0.000003	
196	S-15	NOVEMBER	29478	0.000000	0.000003	
197	S-15	DECEMBER	31247			

	A	B	C	D	E	F
198	SAMPLER	MONTH	VOLUME	pCi/cu m	%ERROR	
199	S-16	JANUARY	38688	0.000002	0.000002	
200	S-16	FEBRUARY	34953	0.000001	0.000003	
201	S-16	MARCH	32000	0.000003	0.000003	
202	S-16	APRIL	50951	0.000002	0.000001	
203	S-16	MAY	33706	0.000003	0.000002	
204	S-16	JUNE	32210	0.000005	0.000003	
205	S-16	JULY	30603	0.000002	0.000002	
206	S-16	AUGUST	31370	0.000004	0.000004	
207	S-16	SEPTEMBER	32501	0.000004	0.000004	
208	S-16	OCTOBER	34046	0.000001	0.000003	
209	S-16	NOVEMBER	32861	0.000000	0.000002	
210	S-16	DECEMBER	34773	-0.000001	0.000002	
211						
212	S-17	JANUARY	30092	0.000015	0.000005	
213	S-17	FEBRUARY	8595	0.000007	0.000012	
214	S-17	MARCH	32000	0.000022	0.000007	
215	S-17	APRIL	47451	0.000005	0.000002	
216	S-17	MAY	31608	0.000007	0.000004	
217	S-17	JUNE	31402	0.000011	0.000005	
218	S-17	JULY	30205	0.000020	0.000006	
219	S-17	AUGUST	30126	0.000008	0.000006	
220	S-17	SEPTEMBER	33032	0.000007	0.000005	
221	S-17	OCTOBER	31727	0.000010	0.000005	
222	S-17	NOVEMBER	28807	0.000008	0.000007	
223	S-17	DECEMBER	31526	0.000008	0.000004	
224						
225	S-18	JANUARY	31675	0.000055	0.000011	
226	S-18	FEBRUARY	33101	0.000040	0.000009	
227	S-18	MARCH	34000	0.000011	0.000012	
228	S-18	APRIL	52852	0.000033	0.000006	
229	S-18	MAY	25837	0.000068	0.000012	
230	S-18	JUNE	28258	0.000069	0.000013	
231	S-18	JULY	34290	0.000026	0.000007	
232	S-18	AUGUST	33000	0.000020	0.000014	
233	S-18	SEPTEMBER	30322	0.000018	0.000008	
234	S-18	OCTOBER	32344	0.000018	0.000008	
235	S-18	NOVEMBER	31938	0.000032	0.000008	
236	S-18	DECEMBER	32251			

	A	B	C	D	E	F
237	SAMPLER	MONTH	VOLUME	pCi/cu m	%ERROR	
238	S-19	JANUARY	31916	0.000032	0.000005	
239	S-19	FEBRUARY	33833	0.000037	0.000008	
240	S-19	MARCH	32000	0.000092	0.000018	
241	S-19	APRIL	49241	0.000012	0.000004	
242	S-19	MAY	26575	0.000022	0.000007	
243	S-19	JUNE	26432	0.000018	0.000006	
244	S-19	JULY	31347	0.000013	0.000005	
245	S-19	AUGUST	32039	0.000013	0.000007	
246	S-19	SEPTEMBER	31656	0.000013	0.000007	
247	S-19	OCTOBER	33015	0.000010	0.000005	
248	S-19	NOVEMBER	29878	0.000046	0.000014	
249	S-19	DECEMBER	31945	0.000033	0.000009	
250						
251	S-20	JANUARY	33094	0.000018	0.000008	
252	S-20	FEBRUARY	34103	0.000033	0.000008	
253	S-20	MARCH	34000	0.000022	0.000007	
254	S-20	APRIL	43888	0.000017	0.000005	
255	S-20	MAY	31076	0.000025	0.000008	
256	S-20	JUNE	29860	0.000011	0.000004	
257	S-20	JULY	28933	0.000012	0.000005	
258	S-20	AUGUST	29156	0.000004	0.000005	
259	S-20	SEPTEMBER	28679	0.000004	0.000005	
260	S-20	OCTOBER	31043	0.000014	0.000006	
261	S-20	NOVEMBER	29445	0.000016	0.000008	
262	S-20	DECEMBER	31049	0.000017	0.000006	
263						
264	S-21	JANUARY	37501	0.000011	0.000001	
265	S-21	FEBRUARY	35907	0.000012	0.000005	
266	S-21	MARCH	34000	0.000005	0.000003	
267	S-21	APRIL	50824	0.000004	0.000002	
268	S-21	MAY	33601	0.000006	0.000003	
269	S-21	JUNE	32405	0.000018	0.000006	
270	S-21	JULY	31361	0.000004	0.000003	
271	S-21	AUGUST	32201	0.000004	0.000004	
272	S-21	SEPTEMBER	33019	0.000004	0.000004	
273	S-21	OCTOBER	33420	0.000013	0.000006	
274	S-21	NOVEMBER	33515	0.000012	0.000007	
275	S-21	DECEMBER	35017	0.000015	0.000006	

	A	B	C	D	E	F
276	SAMPLER	MONTH	VOLUME	pCi/cu m	%ERROR	
277	S-22	JANUARY	32051	0.000001	0.000002	
278	S-22	FEBRUARY	29684	0.000006	0.000004	
279	S-22	MARCH	30000	0.000005	0.000003	
280	S-22	APRIL	43209	0.000003	0.000002	
281	S-22	MAY	28302	0.000004	0.000004	
282	S-22	JUNE	27429	0.000003	0.000002	
283	S-22	JULY	26826	0.000007	0.000004	
284	S-22	AUGUST	65275	0.000001	0.000001	
285	S-22	SEPTEMBER	26808	0.000003	0.000004	
286	S-22	OCTOBER	28015	0.000003	0.000004	
287	S-22	NOVEMBER	27767	0.000009	0.000005	
288	S-22	DECEMBER	28695	0.000003	0.000005	
289						
290	S-23	JANUARY	33158	0.000001	0.000002	
291	S-23	FEBRUARY	32855	0.000003	0.000004	
292	S-23	MARCH	32000	0.000005	0.000003	
293	S-23	APRIL	52577	0.000002	0.000001	
294	S-23	MAY	34528	0.000003	0.000002	
295	S-23	JUNE	34378	0.000003	0.000002	
296	S-23	JULY	34526	0.000003	0.000002	
297	S-23	AUGUST	33858	0.000005	0.000004	
298	S-23	SEPTEMBER	31937	0.000006	0.000005	
299	S-23	OCTOBER	31772	0.000001	0.000003	
300	S-23	NOVEMBER	32119	0.000002	0.000003	
301	S-23	DECEMBER	31760	0.000001	0.000003	
302						
303	S-24	JANUARY	35714	0.000003	0.000002	
304	S-24	FEBRUARY	42856	0.000002	0.000003	
305	S-24	MARCH	41000	0.000002	0.000001	
306	S-24	APRIL	54037	0.000003	0.000002	
307	S-24	MAY	34271	0.000004	0.000002	
308	S-24	JUNE	33719	0.000003	0.000002	
309	S-24	JULY	33046	0.000001	0.000002	
310	S-24	AUGUST	34471	0.000001	0.000002	
311	S-24	SEPTEMBER	33021	0.000001	0.000003	
312	S-24	OCTOBER	34865	0.000001	0.000003	
313	S-24	NOVEMBER	34442	0.000010	0.000006	
314	S-24	DECEMBER	36237	-0.000002	0.000002	
315						
316	S-8B	JUNE	9694	0.000223	0.000106	
317	S-8B	JULY	26598	0.000074	0.000046	
318	S-8B	SEPTEMBER	31593	0.000052	0.000016	
319	S-8B	OCTOBER	32621	0.000051	0.000015	
320	S-8B	NOVEMBER	31992	0.000211	0.000041	
321	S-8B	DECEMBER	33216	0.000356	0.000059	
322						

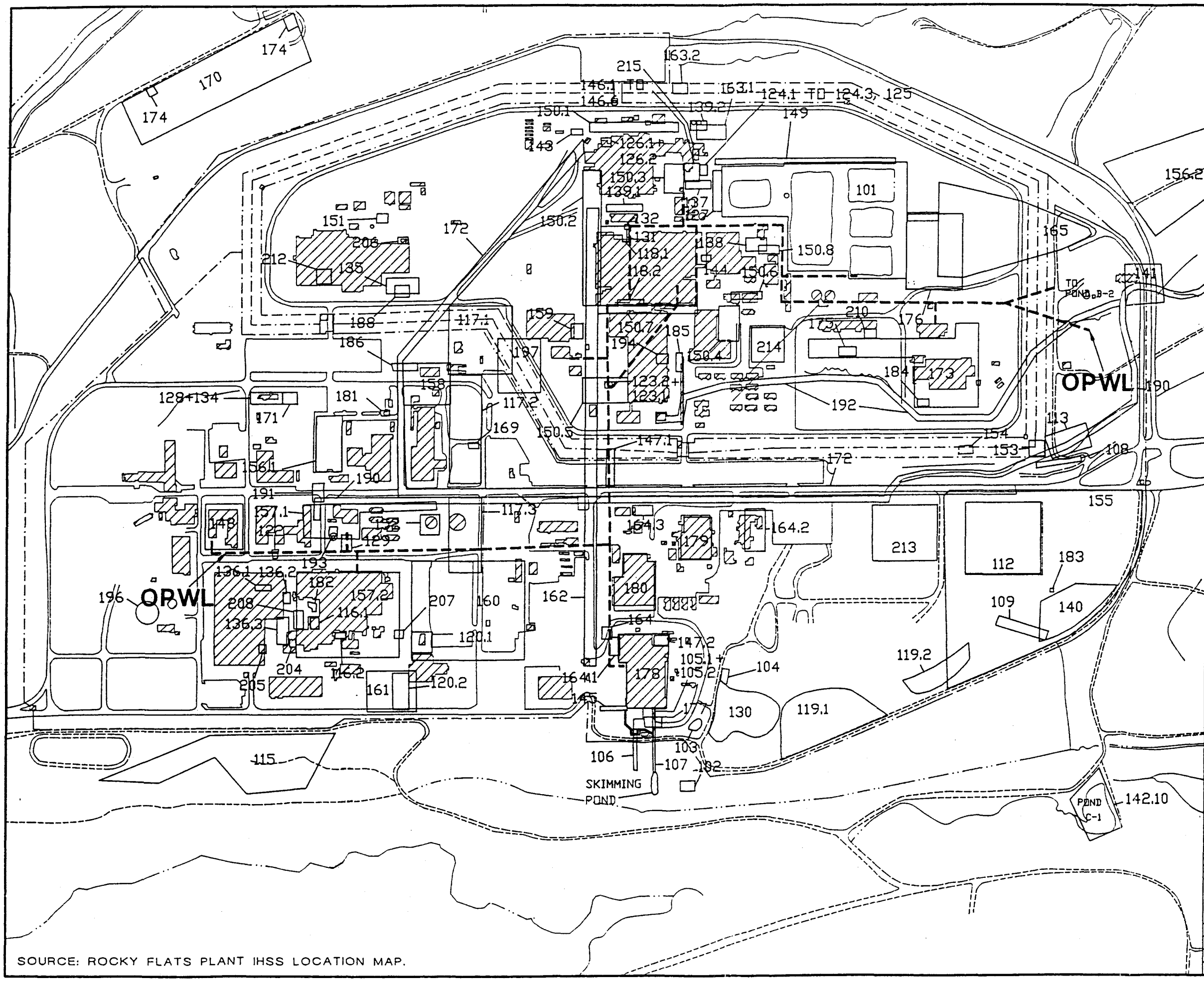
	A	B	C	D	E	F	G
1	Sample	Date				pCi/m3 PU	Error
2	No.						
3	S-05	27-Dec-88	24-Jan-89	2	31000	0.000307	0.000037
4	S-05	24-Jan-89	21-Feb-89	2	31000	0.000022	0.000004
5	S-05	21-Feb-89	21-Mar-89	2	28000	0.000117	0.000013
6	S-05	21-Mar-89	2-May-89	3	46000	0.00005	0.000012
7	S-05	2-May-89	30-May-89	2	31000	0.000037	0.000012
8	S-05	30-May-89	27-Jun-89	2	31000	0.000037	0.000011
9	S-05	27-Jun-89	25-Jul-89	2	32000	0.000067	0.000017
10	S-05	22-Aug-89	19-Sep-89	1	16000	0.000026	0.000009
11	S-05	19-Sep-89	31-Oct-89	3	43000	0.000075	0.000016
12	S-05	31-Oct-89	28-Nov-89	2	32000	0.000077	0.00001
13	S-05	28-Nov-89	26-Dec-89	2	32000	0.000053	0.000007
14							
15	S-06	27-Dec-88	24-Jan-89	2	27000	0.000965	0.000111
16	S-06	24-Jan-89	21-Feb-89	2	28000	0.000132	0.000017
17	S-06	21-Feb-89	21-Mar-89	2	26000	0.00261	0.000256
18	S-06	21-Mar-89	2-May-89	3	46000	0.000169	0.000213
19	S-06	2-May-89	30-May-89	2	32000	0.000185	0.000041
20	S-06	30-May-89	27-Jun-89	2	33000	0.000101	0.000023
21	S-06	27-Jun-89	25-Jul-89	2	32000	0.000095	0.000026
22	S-06	25-Jul-89	22-Aug-89	2	33000	0.000448	0.000097
23	S-06	22-Aug-89	19-Sep-89	2	33000	0.000017	0.000008
24	S-06	19-Sep-89	31-Oct-89	3	49000	0.0003	0.000054
25	S-06	31-Oct-89	28-Nov-89	2	25000	0.000312	0.000036
26	S-06	28-Nov-89	26-Dec-89	2	26000	0.000065	0.000008
27							
28	S-07	27-Dec-88	24-Jan-89	2	25000	0.000205	0.000024
29	S-07	24-Jan-89	21-Feb-89	2	26000	0.00003	0.000003
30	S-07	21-Feb-89	21-Mar-89	2	23000	0.000186	0.000023
31	S-07	21-Mar-89	2-May-89	3	46000	0.000205	0.000036
32	S-07	2-May-89	30-May-89	2	28000	0.000153	0.000043
33	S-07	30-May-89	27-Jun-89	2	26000	0.000245	0.000064
34	S-07	27-Jun-89	25-Jul-89	2	25000	0.001119	0.000231
35	S-07	25-Jul-89	22-Aug-89	2	27000	0.000453	0.000108
36	S-07	22-Aug-89	19-Sep-89	2	28000	0.000526	0.000102
37	S-07	19-Sep-89	31-Oct-89	3	43000	0.00047	0.000073
38	S-07	31-Oct-89	28-Nov-89	2	31000	0.000206	0.000023
39	S-07	28-Nov-89	26-Dec-89	2	32000	0.000133	0.000016
40							
41							
42							
43							
44							
45							
46							
47							

	A	B	C	D	E	F	G
48	Sample	Date				pCi/m3 PU	Error
49	No.						
50	S-08	27-Dec-88	24-Jan-89	2	33000	0.000279	0.00003
51	S-08	24-Jan-89	21-Feb-89	2	33000	0.000063	0.000008
52	S-08	21-Feb-89	21-Mar-89	2	32000	0.000336	0.000035
53	S-08	21-Mar-89	2-May-89	3	53000	0.000224	0.000039
54	S-08	2-May-89	30-May-89	1	17000	0.000111	0.000027
55	S-08	30-May-89	27-Jun-89	2	34000	0.000277	0.000063
56	S-08	27-Jun-89	25-Jul-89	2	31000	0.001211	0.000256
57	S-08	25-Jul-89	22-Aug-89	2	33000	0.000752	0.00017
58	S-08	22-Aug-89	19-Sep-89	2	33000	0.000977	0.000183
59	S-08	19-Sep-89	31-Oct-89	3	49000	0.000836	0.000132
60	S-08	31-Oct-89	28-Nov-89	2	36000	0.000381	0.000042
61	S-08	28-Nov-89	26-Dec-89	2	40000	0.000031	0.000004
62							
63	S-09	27-Dec-88	24-Jan-89	2	33000	0.00046	0.000051
64	S-09	24-Jan-89	21-Feb-89	2	36000	0.000058	0.000008
65	S-09	21-Feb-89	21-Mar-89	2	31000	0.000316	0.000033
66	S-09	21-Mar-89	2-May-89	3	48000	0.000512	0.000098
67	S-09	2-May-89	30-May-89	2	31000	0.000216	0.000055
68	S-09	30-May-89	27-Jun-89	2	28000	0.000253	0.000054
69	S-09	27-Jun-89	25-Jul-89	2	26000	0.001602	0.000318
70	S-09	25-Jul-89	22-Aug-89	2	29000	0.000459	0.000103
71	S-09	22-Aug-89	19-Sep-89	2	29000	0.000869	0.000162
72	S-09	19-Sep-89	31-Oct-89	3	48000	0.000704	0.000109
73	S-09	31-Oct-89	28-Nov-89	2	36000	0.000467	0.000051
74	S-09	28-Nov-89	26-Dec-89	2	38000	0.000082	0.00001
75							
76	S-18	27-Dec-88	24-Jan-89	2	33000	0.000035	0.000005
77	S-18	24-Jan-89	21-Feb-89	2	33000	0.000072	0.000009
78	S-18	21-Feb-89	21-Mar-89	2	32000	0.000026	0.000004
79	S-18	21-Mar-89	2-May-89	3	49000	0.000043	0.000012
80	S-18	2-May-89	30-May-89	2	32000	0.000043	0.000013
81	S-18	30-May-89	27-Jun-89	2	30000	0.000036	0.000012
82	S-18	27-Jun-89	25-Jul-89	2	29000	0.000062	0.000015
83	S-18	25-Jul-89	22-Aug-89	2	30000	0.000022	0.000008
84	S-18	22-Aug-89	19-Sep-89				
85	S-18	19-Sep-89	31-Oct-89	3	44000	0.000072	0.000014
86							
87							
88							
89							
90							
91							
92							
93							
94							

	A	B	C	D	E	F	G
95	Sample	Date				pCi/m3 PU	Error
96	No.						
97	S-19	27-Dec-88	24-Jan-89	2	25000	0.000046	0.000007
98	S-19	24-Jan-89	21-Feb-89	2	26000	0.000056	0.000008
99	S-19	21-Feb-89	21-Mar-89	2	22000	0.000147	0.000017
100	S-19	21-Mar-89	2-May-89	3	39000	0.000051	0.000018
101	S-19	2-May-89	30-May-89	2	25000	0.000026	0.00001
102	S-19	30-May-89	27-Jun-89	2	22000	0.000044	0.000015
103	S-19	22-Aug-89	19-Sep-89				
104	S-19	19-Sep-89	31-Oct-89	3	47000	0.000024	0.000006
105							
106	S-20	27-Dec-88	24-Jan-89	2	30000	0.000038	0.000005
107	S-20	24-Jan-89	21-Feb-89	2	32000	0.000049	0.000007
108	S-20	21-Feb-89	21-Mar-89	2	29000	0.00002	0.000004
109	S-20	21-Mar-89	2-May-89	3	42000	0.000046	0.000011
110	S-20	2-May-89	30-May-89	2	27000	0.00001	0.000008
111	S-20	30-May-89	27-Jun-89	2	27000	0.000009	0.000007
112	S-20	27-Jun-89	25-Jul-89	2	24000	0.000029	0.000012
113	S-20	25-Jul-89	22-Aug-89	2	26000	0.000014	0.000008
114	S-20	22-Aug-89	19-Sep-89				
115	S-20	19-Sep-89	31-Oct-89	3	41000	0.000028	0.000007
116							
117	S-21	27-Dec-88	24-Jan-89	2	29000	0.00006	0.000008
118	S-21	24-Jan-89	21-Feb-89	2	30000	0.000007	0.000003
119	S-21	21-Mar-89	2-May-89	3	53000	0.000023	0.000007
120	S-21	2-May-89	30-May-89	2	34000	0.000009	0.000006
121	S-21	30-May-89	27-Jun-89	2	33000	0.000011	0.000006
122	S-21	27-Jun-89	25-Jul-89	2	31000	0.000018	0.000008
123	S-21	25-Jul-89	22-Aug-89	2	33000	0.000008	0.000006
124	S-21	22-Aug-89	19-Sep-89				
125	S-21	19-Sep-89	31-Oct-89	3	50000	0.000013	0.000004

	A	B	C	D	E	F	G
1	Sampler	Date			Volume	pCi/m3 PU	Error
2	No.						
3	S-05	21-Dec-87	26-Jan-88	2	28000	0.000189	0.000023
4	S-05	26-Jan-88	23-Feb-88	2	23000	0.001389	0.000159
5	S-05	23-Feb-88	22-Mar-88	2	23000	0.000236	0.000029
6	S-05	22-Mar-88	19-Apr-88	2	28000	0.000284	0.000032
7	S-05	19-Apr-88	17-May-88	2	28000	0.000422	0.000047
8	S-05	17-May-88	28-Jun-88	2	27000	0.000231	0.000025
9	S-05	14-Jun-88	12-Jul-88	2	26000	0.000144	0.000018
10	S-05	12-Jul-88	23-Aug-88	3	39000	0.000054	0.000010
11	S-05	23-Aug-88	20-Sep-88	2	26000	0.000344	0.000039
12	S-05	20-Sep-88	18-Oct-88	1	11000	0.000706	0.000085
13	S-05	18-Oct-88	29-Nov-88	3	43000	0.000226	0.000026
14	S-05	29-Nov-88	27-Dec-88	2	29000	0.000447	0.000046
15							
16	S-06	21-Dec-87	26-Jan-88	2	33000	0.000086	0.000011
17	S-06	26-Jan-88	23-Feb-88	2	28000	0.000460	0.000049
18	S-06	23-Feb-88	22-Mar-88	2	26000	0.000117	0.000016
19	S-06	22-Mar-88	19-Apr-88	2	27000	0.000126	0.000016
20	S-06	19-Apr-88	17-May-88	2	27000	0.000113	0.000015
21	S-06	17-May-88	28-Jun-88	2	21000	0.000127	0.000019
22	S-06	14-Jun-88	12-Jul-88	2	27000	0.000047	0.000009
23	S-06	12-Jul-88	23-Aug-88	3	39000	0.000027	0.000008
24	S-06	23-Aug-88	20-Sep-88	2	24000	0.000182	0.000023
25	S-06	20-Sep-88	18-Oct-88	2	26000	0.000144	0.000020
26	S-06	18-Oct-88	29-Nov-88	3	39000	0.000138	0.000018
27	S-06	29-Nov-88	27-Dec-88	2	27000	0.000215	0.000026
28							
29	S-07	21-Dec-87	26-Jan-88	2	34000	0.000045	0.000007
30	S-07	26-Jan-88	23-Feb-88	2	27000	0.000223	0.000028
31	S-07	23-Feb-88	22-Mar-88	2	26000	0.000265	0.000032
32	S-07	22-Mar-88	19-Apr-88	2	26000	0.000803	0.000095
33	S-07	19-Apr-88	17-May-88	2	24000	0.000322	0.000037
34	S-07	17-May-88	28-Jun-88	2	25000	0.001171	0.000136
35	S-07	14-Jun-88	12-Jul-88	2	22000	0.000852	0.000096
36	S-07	12-Jul-88	23-Aug-88	3	41000	0.000338	0.000040
37	S-07	23-Aug-88	20-Sep-88	2	21000	0.000487	0.000056
38	S-07	20-Sep-88	18-Oct-88	2	23000	0.000342	0.000039
39	S-07	18-Oct-88	29-Nov-88	3	35000	0.001086	0.000120
40	S-07	29-Nov-88	27-Dec-88	2	24000	0.000240	0.000029
41							
42							
43							
44							
45							
46							
47							

	A	B	C	D	E	F	G
95	Sampler	Date			Volume	pCi/m3 PU	Error
96	No.						
97	S-19	26-Jan-88	23-Feb-88	2	27000	0.000070	0.000011
98	S-19	23-Feb-88	22-Mar-88	2	25000	0.000062	0.000010
99	S-19	22-Mar-88	19-Apr-88	2	27000	0.000193	0.000022
100	S-19	19-Apr-88	17-May-88	2	26000	0.000114	0.000015
101	S-19	17-May-88	28-Jun-88	2	25000	0.000112	0.000015
102	S-19	14-Jun-88	12-Jul-88	2	23000	0.000048	0.000010
103	S-19	12-Jul-88	23-Aug-88	3	36000	0.000045	0.000009
104	S-19	23-Aug-88	20-Sep-88	2	23000	0.000046	0.000010
105	S-19	20-Sep-88	18-Oct-88	2	23000	0.000080	0.000013
106	S-19	18-Oct-88	29-Nov-88	3	34000	0.000051	0.000009
107	S-19	29-Nov-88	27-Dec-88	2	23000	0.000040	0.000006
108							
109	S-20	26-Jan-88	23-Feb-88	2	23000	0.000466	0.000058
110	S-20	23-Feb-88	22-Mar-88	2	21000	0.000139	0.000020
111	S-20	22-Mar-88	19-Apr-88	2	29000	0.000139	0.000020
112	S-20	19-Apr-88	17-May-88	2	28000	0.000231	0.000027
113	S-20	17-May-88	28-Jun-88	2	28000	0.000136	0.000017
114	S-20	14-Jun-88	12-Jul-88	2	27000	0.000044	0.000008
115	S-20	12-Jul-88	23-Aug-88	3	41000	0.000025	0.000007
116	S-20	23-Aug-88	20-Sep-88	2	26000	0.000039	0.000009
117	S-20	20-Sep-88	18-Oct-88	2	29000	0.000057	0.000009
118	S-20	18-Oct-88	29-Nov-88	3	43000	0.000075	0.000010
119	S-20	29-Nov-88	27-Dec-88	2	30000	0.000073	0.000010
120							
121	S-21	26-Jan-88	23-Feb-88	2	31000	0.000169	0.000019
122	S-21	23-Feb-88	22-Mar-88	2	31000	0.000016	0.000006
123	S-21	22-Mar-88	19-Apr-88	2	27000	0.000055	0.000009
124	S-21	19-Apr-88	17-May-88	2	27000	0.000190	0.000024
125	S-21	17-May-88	28-Jun-88	2	26000	0.000036	0.000008
126	S-21	14-Jun-88	12-Jul-88	2	26000	0.000072	0.000011
127	S-21	12-Jul-88	23-Aug-88	3	38000	0.000016	0.000007
128	S-21	23-Aug-88	20-Sep-88	2	24000	0.000020	0.000008
129	S-21	20-Sep-88	18-Oct-88	2	26000	0.000048	0.000009
130	S-21	18-Oct-88	29-Nov-88	3	39000	0.000072	0.000010
131	S-21	29-Nov-88	27-Dec-88	2	27000	0.000032	0.000005



SOURCE: ROCKY FLATS PLANT IHSS LOCATION MAP.

DRAFT

SCALE

0 500 1000 FEET

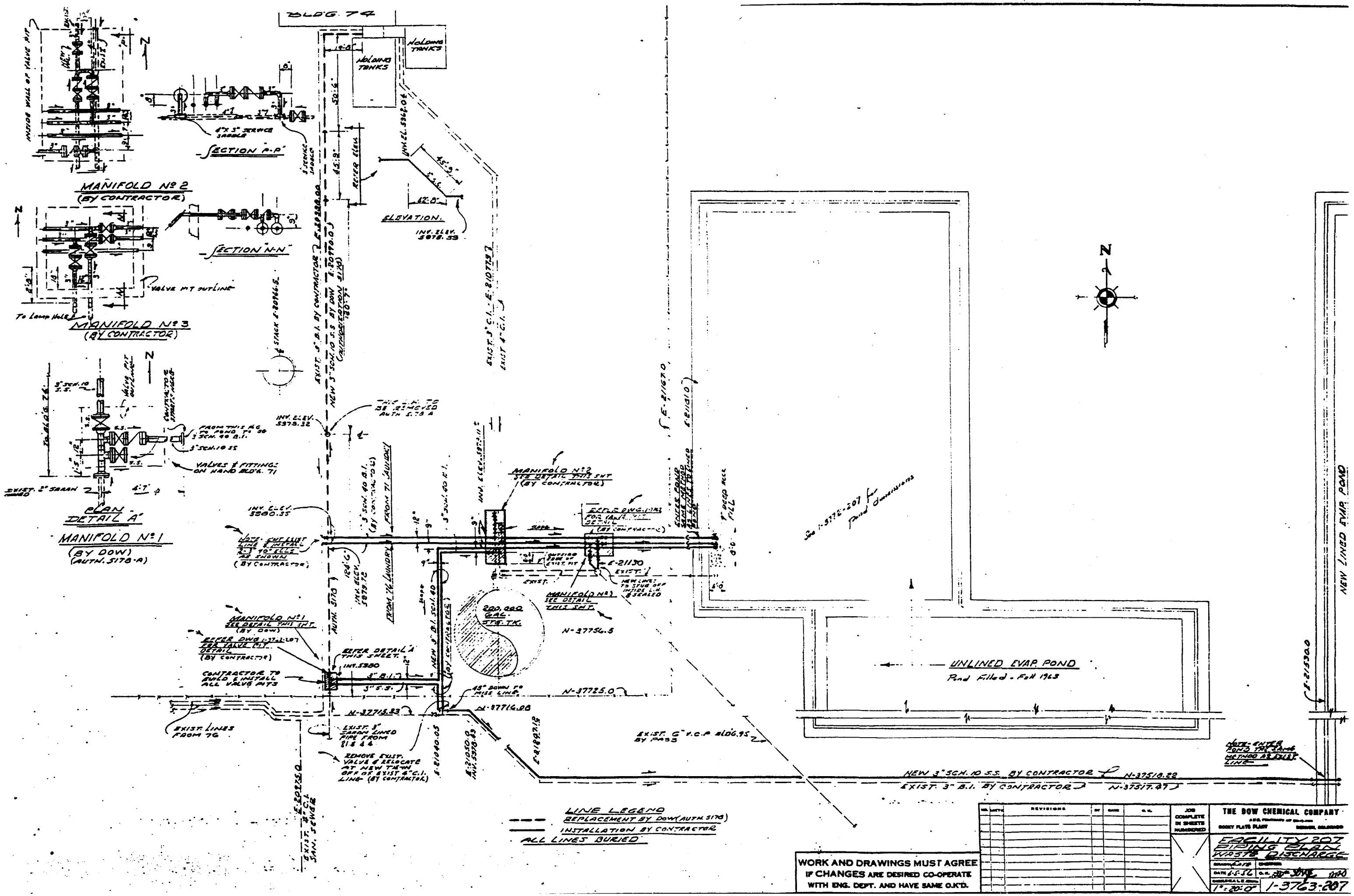
PREPARED FOR:
U.S. DEPARTMENT OF ENERGY
Rocky Flats Plant
Golden, Colorado

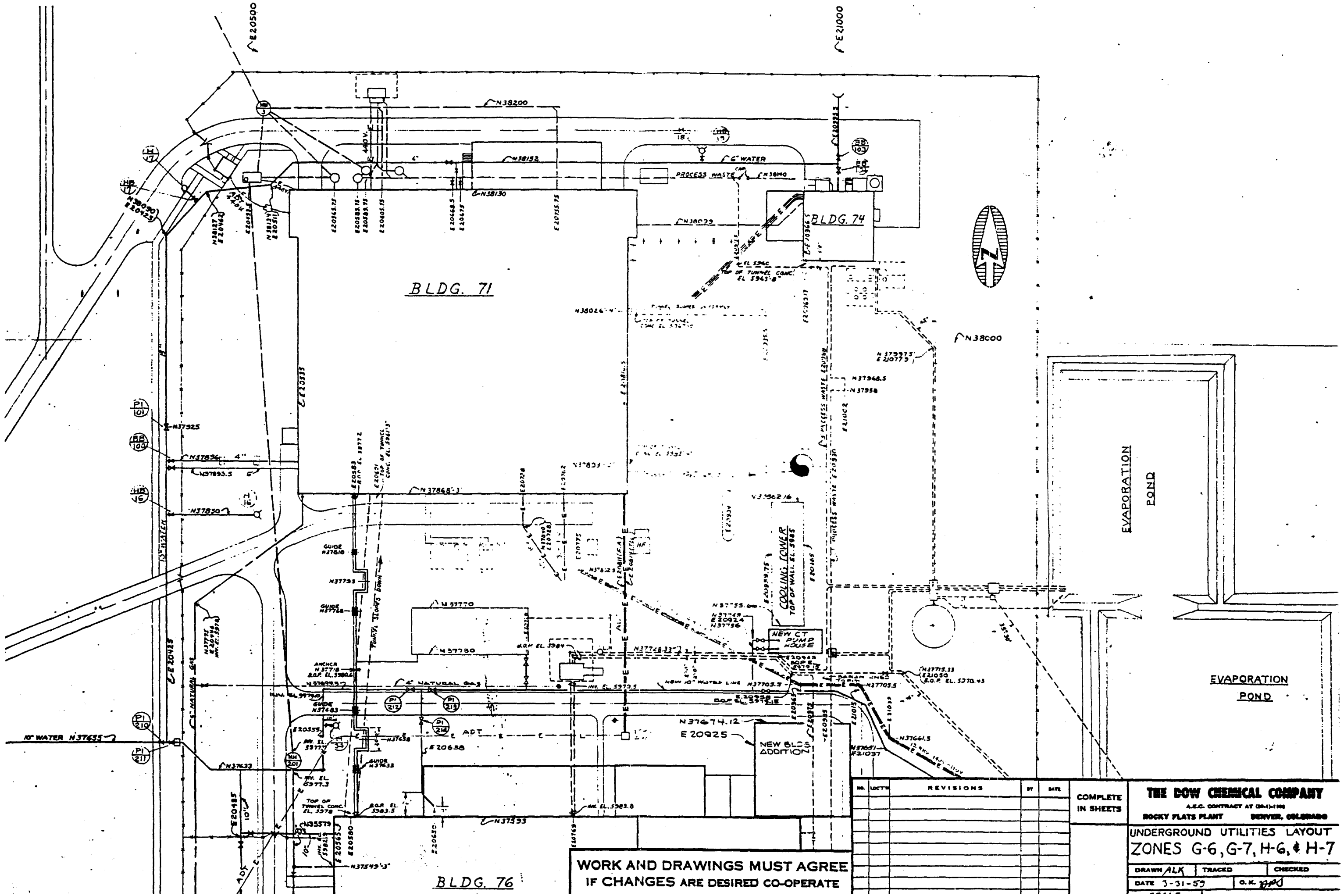
FIGURE

TITLE:
PROXIMITY OF OPWL TO OTHER ROCKY FLATS IHSS's

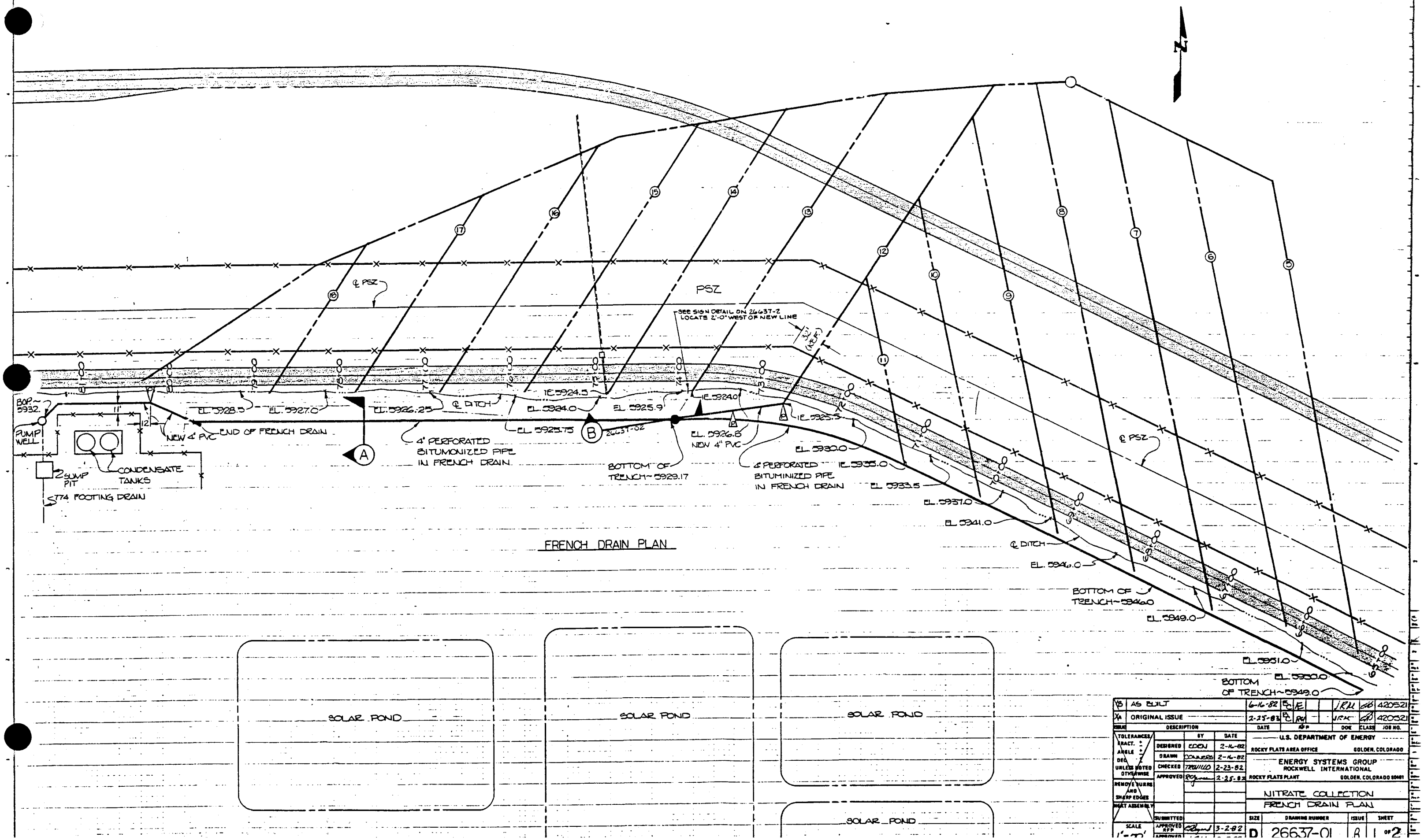
PROJ. NO.	304908	DWG. NO.	304908-B71	SHEET
DESIGN BY	C. Rayburn	CHECKED		OF
DRAWN BY	KRONER	APPROVED		
DATE	10-25-91	SCALE	1=500	

4908871 10/28/91 5:10pm AWK


BLDG. 74
HOLDING TANKS
HOLDING TANKS
SECTION A-A'
ELEVATION.
MANIFOLD No 2
(BY CONTRACTOR)
SECTION N-N'
VALVE PIT OUTLINE
MANIFOLD No 3
(BY CONTRACTOR)
PLAN
DETAIL A'
MANIFOLD No 1
(BY DOW)
(AUTH. 5178-A)
MANIFOLD No 2
SEE DETAIL THIS SHT.
(BY CONTRACTOR)
200,000 GAL. STG. TK.
UNLINED EVAP. POND
Pond Filled - Fall 1963
NEW LINED EVAP. POND
NEW 3" SCH. 10 S.S. BY CONTRACTOR
EXIST. 3" B.I. BY CONTRACTOR
EXIST. 6" V.C.P. BYPASS
REMOVE EXIST. VALVE & RELOCATE AT NEW TIE-IN OFF OF EXIST 4" C.I. LINE (BY CONTRACTOR)
CONTRACTOR TO BUILD & INSTALL ALL VALVE PITS
LINE LEGEND
REPLACEMENT BY DOW (AUTH. 5178)
INSTALLATION BY CONTRACTOR
ALL LINES BURIED
WORK AND DRAWINGS MUST AGREE
IF CHANGES ARE DESIRED CO-OPERATE
WITH ENG. DEPT. AND HAVE SAME O.K'D.
REVISIONS
JOB COMPLETE IN SHEETS NUMBERED
THE DOW CHEMICAL COMPANY
ROCKY FLATS PLANT
DENVER, COLORADO
FACILITY 207
PIPING GRID
WASTE DISCHARGE
DATE 6-5-56
1" = 20'-0"
1-3763-207


BLDG. 71
BLDG. 74
BLDG. 76
EVAPORATION POND
EVAPORATION POND
COOLING TOWER
NEW CT PUMP HOUSE
NEW BLDG ADDITION
6" WATER
PROCESS WASTE
4" NATURAL GAS
10" WATER
10" WATER
TOWER FLOWS DOWN
WORK AND DRAWINGS MUST AGREE
IF CHANGES ARE DESIRED CO-OPERATE
REVISIONS
COMPLETE IN SHEETS
THE DOW CHEMICAL COMPANY
ROCKY FLATS PLANT
DENVER, COLORADO
UNDERGROUND UTILITIES LAYOUT
ZONES G-6, G-7, H-6, & H-7
DRAWN ALK
TRACED
CHECKED
DATE 3-31-59
O.K.

PART	QUAN.	DESCRIPTION	MATERIAL



FRENCH DRAIN PLAN

ISSUE	DESCRIPTION	DATE	APP	DOC	CLASS	JOB NO.
B	AS BUILT	6-16-82		JRH		420521
A	ORIGINAL ISSUE	2-25-82		JRH		420521

TOLERANCES: FRACT. ± ANGLE ± DEC. ± UNLESS NOTED OTHERWISE

REMOVE BURRS AND SHARP EDGES

NEXT ASSEMBLY

	BY	DATE
DESIGNED	EDON	2-16-82
DRAWN	CONNERS	2-16-82
CHECKED	TRWILLO	2-23-82
APPROVED	RG	2-25-82
SUBMITTED		
APPROVED APP		3-2-82
APPROVED		

SCALE 1" = 20'

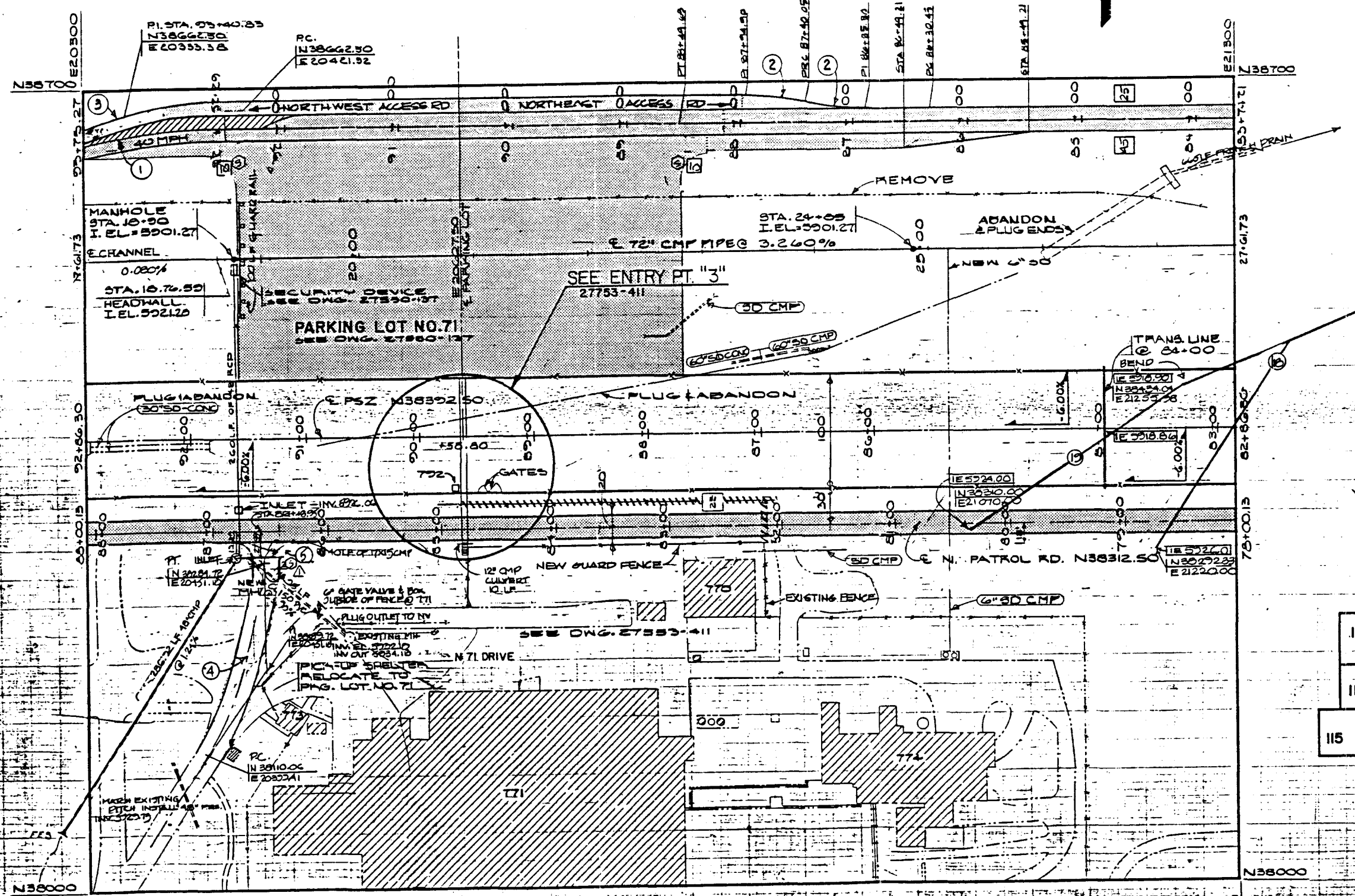
U.S. DEPARTMENT OF ENERGY
ROCKY FLATS AREA OFFICE — GOLDEN, COLORADO

ENERGY SYSTEMS GROUP
ROCKWELL INTERNATIONAL
ROCKY FLATS PLANT — GOLDEN, COLORADO 80401

NITRATE COLLECTION
FRENCH DRAIN PLAN

SIZE	DRAWING NUMBER	ISSUE	SHEET
D	26637-01	B	1 OF 2

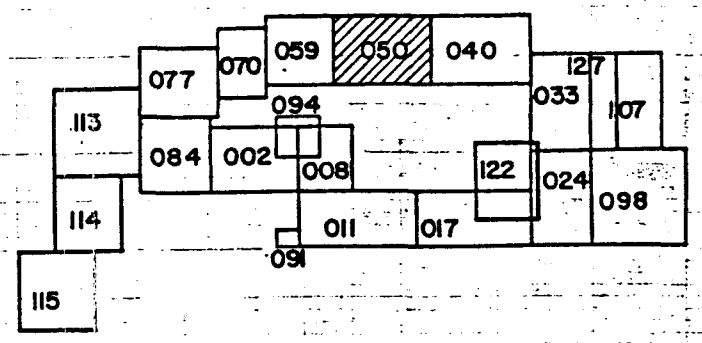
PART	QUAN.	DESCRIPTION	MATERIAL



CURVE DATA

	R	Δ (D.M.S.)	T	L
1	540'	18°37'26"	88.54	175.53'
2	1000'	6.1646	54.85'	109.60'
3	334.81'	18.3726	54.90'	108.83'
4	320.57'	33°00'52"	95.00'	184.71
5	15.00'	90°00'00"	16.00'	23.56

KEY PLAN



XA	AS BUILT	5-10-82					380021
XO	ORIGINAL ISSUE	9-10-80					280021
ISSUE	DESCRIPTION	DATE			DOE CLASS		JOB NO.

TOLERANCES: FRACT. ± ANGLE ± DEC. ± UNLESS NOTED OTHERWISE; REMOVE BURRS AND SHARP EDGES; NEXT ASSEMBLY; DOE CONT. NO.; SCALE 1" = 50'

	BY	DATE
DESIGNED	[illegible]	8-20-80
DRAWN	R.A.G.	8-25-80
CHECKED	[illegible]	9-7-80
APPROVED	[illegible]	9-15-80
SUBMITTED	[illegible]	9-15-80
APPROVED AI	[illegible]	11/18/80
APPROVED	[illegible]	9/10/80

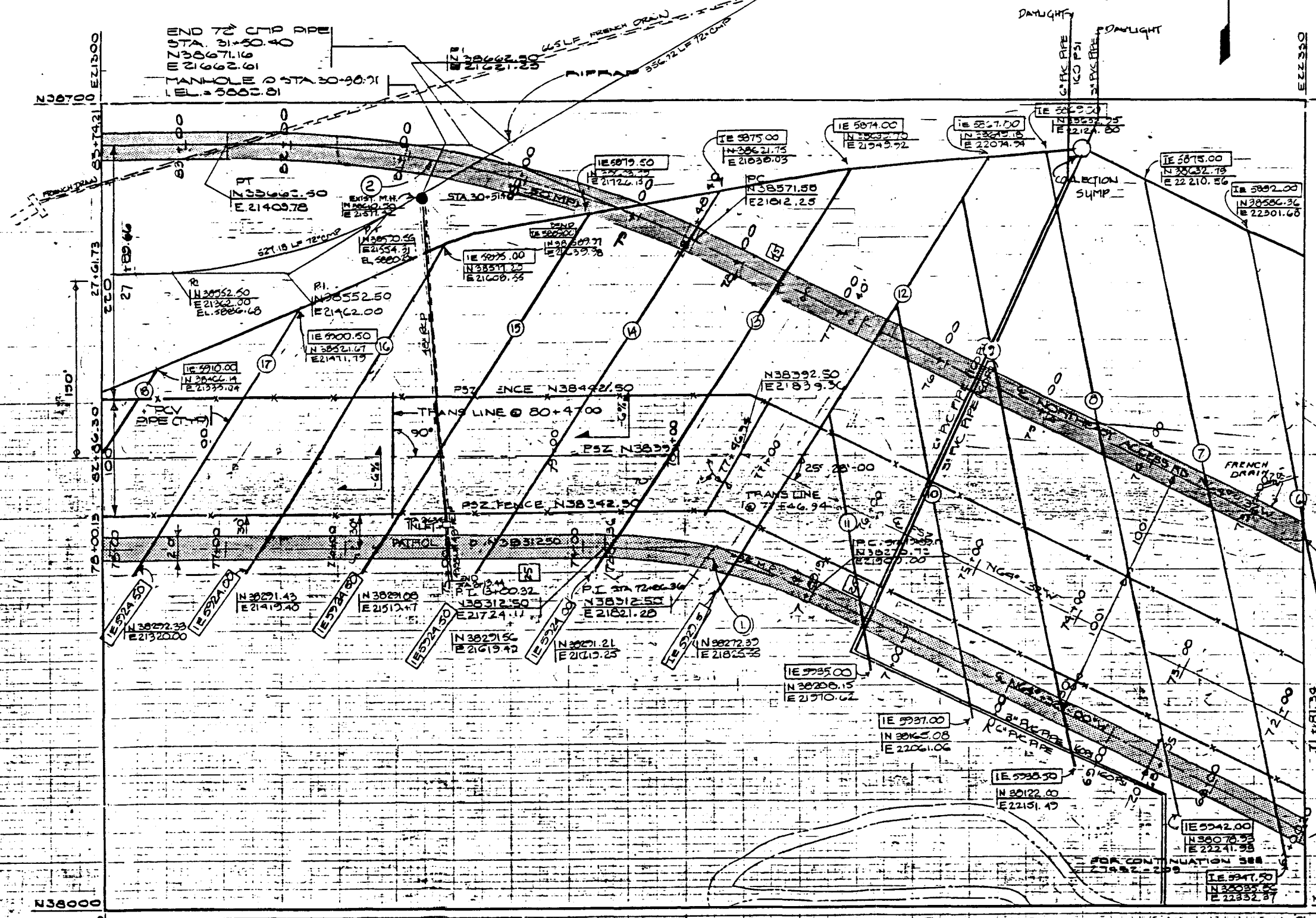
U.S. DEPARTMENT OF ENERGY
ROCKY FLATS AREA OFFICE — GOLDEN, COLORADO
ENERGY SYSTEMS GROUP
ROCKWELL INTERNATIONAL
ROCKY FLATS PLANT — GOLDEN, COLORADO 80401

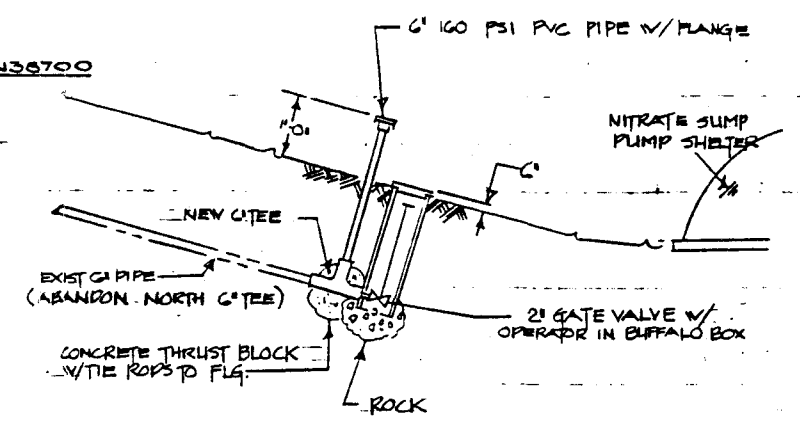
PERIMETER SECURITY ZONE
BLDG. # 771 PLAN

SIZE	DRAWING NUMBER	ISSUE	SHEET
D	27550-050	A	54 OF

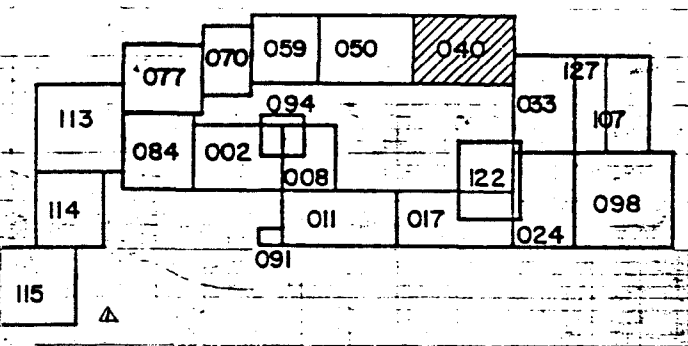
PART	QUAN.	DESCRIPTION	MATERIAL

NOTE: 3" & 6" PVC PIPE TO BE 4' BELOW FINISHED GRADE EXCEPT IN PSZ WHERE TUBE SHALL BE 6'-0 BELOW FINISHED GRADE.





KEY-PLAN



CURVE DATA

	R	Δ(D.M.S)	T	L
1	430'	25.28-00	97.17	191.13
2	936'	25.28-00	211.51	416.03
3	490'	30.36-18	134.07	261.74

ISSUE	DESCRIPTION	DATE	DOE	CLASS	JOB NO.
KA	AS-BUILT	5-10-82			389021
1	ADDED SUBSURFACE WATER COLLECTION SYSTEMS	11-19-80			389021
0	ORIGINAL ISSUE	9-10-80			389021

TOLERANCES: FRACT. ±; ANGLE ±; DEC. ±; UNLESS NOTED OTHERWISE; REMOVE BURRS AND SHARP EDGES; NEXT ASSEMBLY; DOE CONT. NO.; SCALE

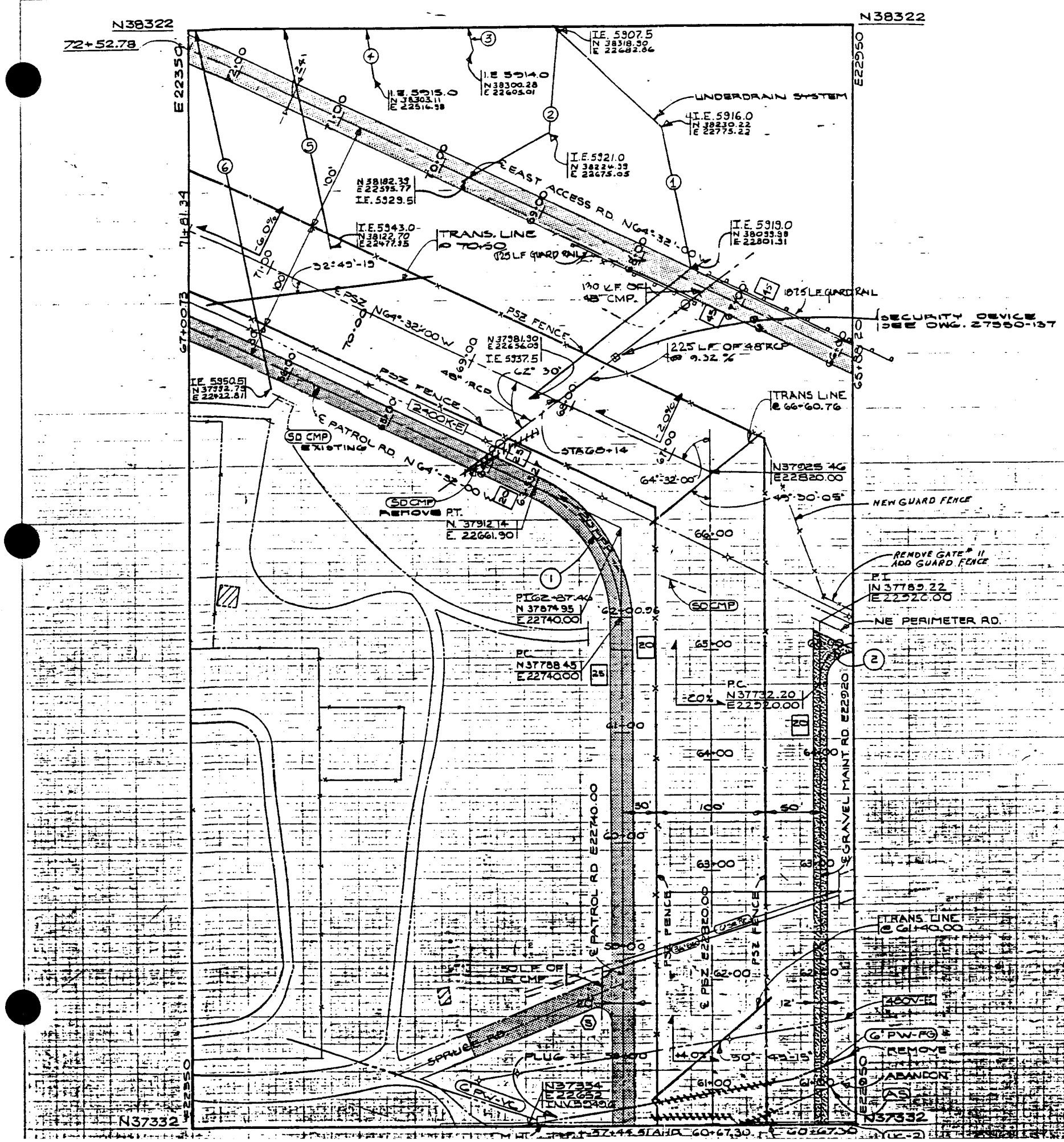
	BY	DATE
DESIGNED	[illegible]	8-20-80
DRAWN	K.A.G.	8-25-80
CHECKED	[illegible]	9-2-80
APPROVED	[illegible]	9-3-80
SUBMITTED	[illegible]	9-3-80
APPROVED	[illegible]	9/10/80

U.S. DEPARTMENT OF ENERGY
ROCKY FLATS AREA OFFICE — GOLDEN, COLORADO
ENERGY SYSTEMS GROUP, ROCKWELL INTERNATIONAL
ROCKY FLATS PLANT — GOLDEN, COLORADO

PERIMETER SECURITY-ZONE
BLDG # 207 PLAN

SIZE D — DRAWING NUMBER 27550-040 — ISSUE A — SHEET

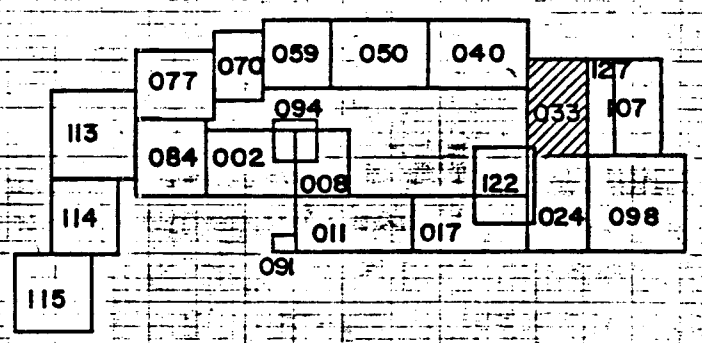
PART	QUAN.	DESCRIPTION	MATERIAL



CURVE DATA

○	R	Δ(D.M.S.)	T	L
1	137'	64.3200	86.50'	154.31'
2	36'	115.2800	57.02'	72.55'

KEY PLAN



ISSUE	DESCRIPTION	DATE	DOE	CLASS	JOB NO.
A	AS BUILT	4-30-82			389021
1	UNDERDRAIN & ACCESS RD.	5-22-81			389021
0	ORIGINAL ISSUE	9-10-80			389021

TOLERANCES: FRACT. ± ANGLE ± DEC. ± UNLESS NOTED OTHERWISE. REMOVE BURRS AND SHARP EDGES. NEXT ASSEMBLY. DOE CONT. NO. SCALE

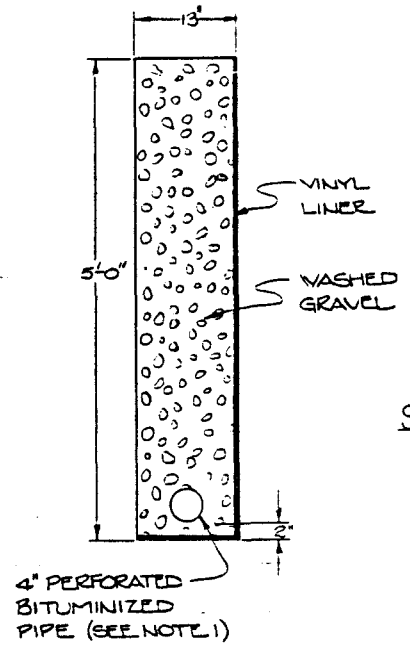
	BY	DATE
DESIGNED	RFB	8-20-80
DRAWN	KAG	8-25-80
CHECKED		9-2-80
APPROVED		9-3-80
SUBMITTED		9-9-80
APPROVED		9/10/80
APPROVED		

U.S. DEPARTMENT OF ENERGY
ROCKY FLATS AREA OFFICE — GOLDEN, COLORADO
ENERGY SYSTEMS GROUP
ROCKWELL INTERNATIONAL
ROCKY FLATS PLANT — GOLDEN, COLORADO 80401

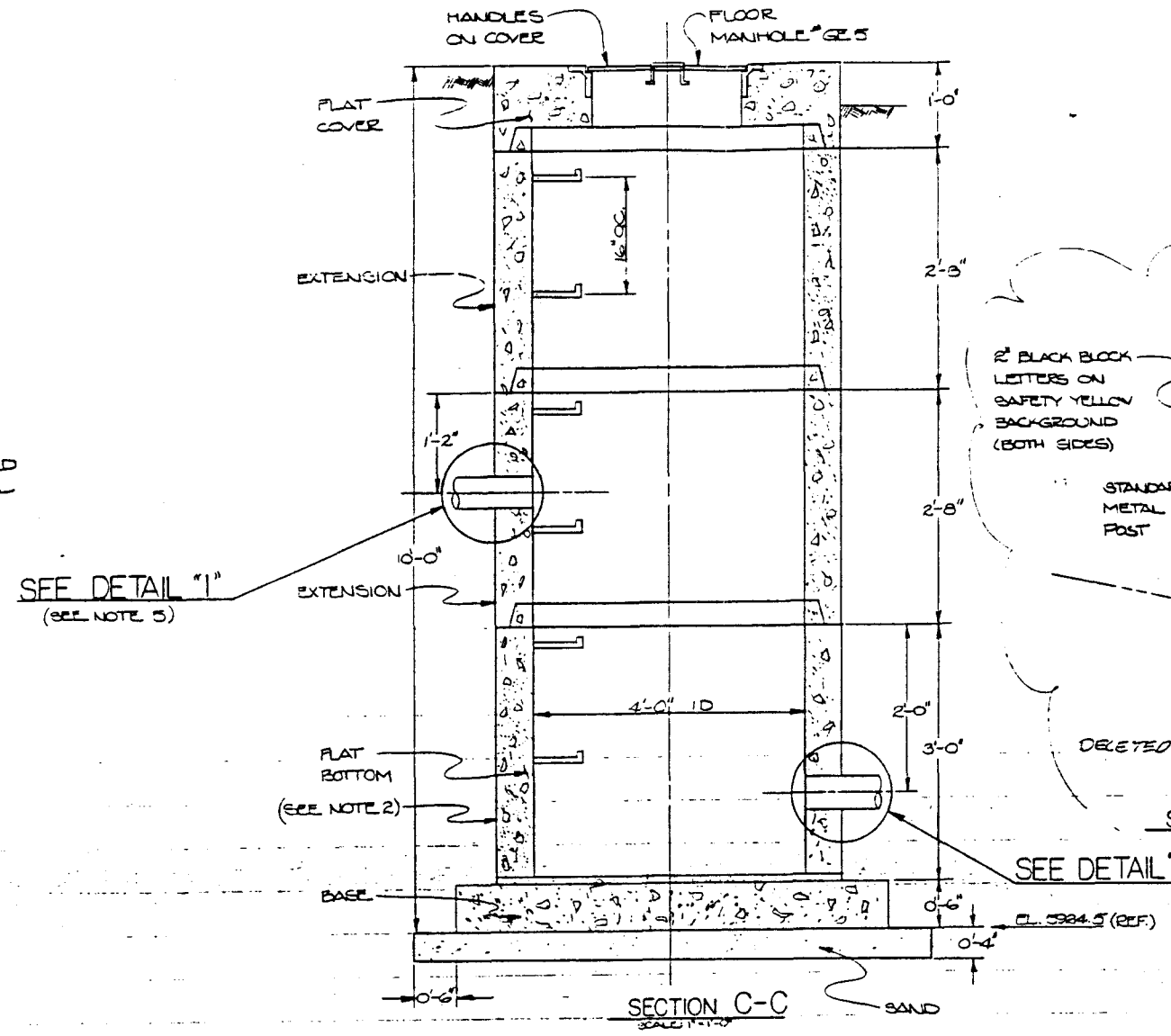
PERIMETER SECURITY ZONE
N. E. CORNER PLAN

SIZE D — DRAWING NUMBER 27550-033 — ISSUE A — SHEET 32 OF

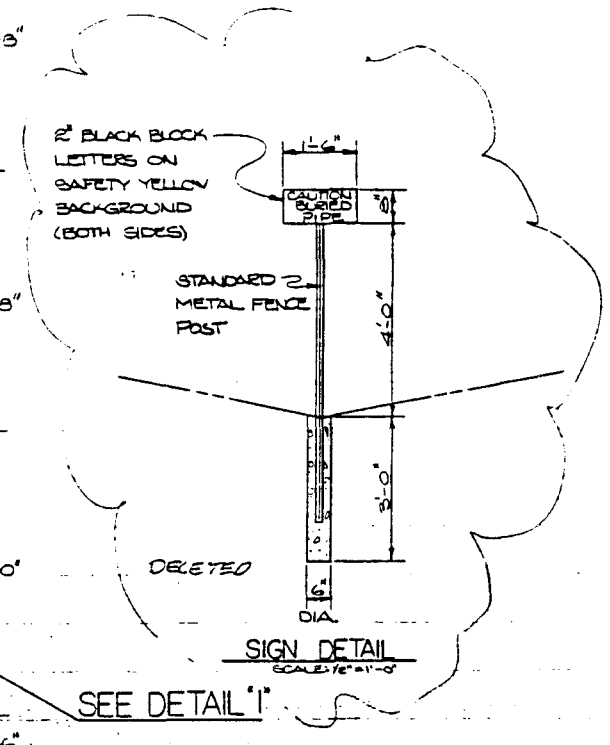
PART	QUAN.	DESCRIPTION	MATERIAL



SECTION A
26637-1 SCALE: 1"=1'-0"



SECTION C-C
SCALE: 1"=1'-0"



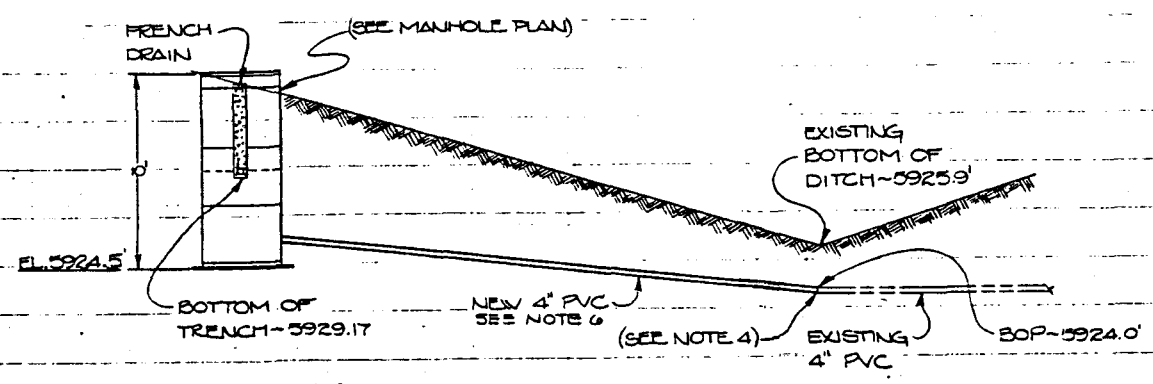
SIGN DETAIL
SCALE: 1/2"=1'-0"

NOTES:

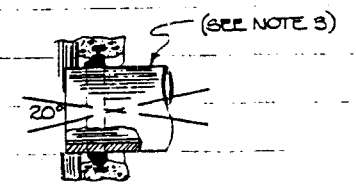
1. PLACE 4" PERFORATED BITUMINIZED PIPE WITH PERFORATIONS DOWN.
2. WALL THICKNESS – 5".
3. PIPE TO MANHOLE SEAL. A LOK GASKET PER ASTM RUBBER GASKET SPECS C443, CAST INTEGRALLY IN MANHOLE WALL AND LOCATED AS REQUIRED JOINT ALLOWS 0° OMNIDIRECTIONAL DEFLECTION.
4. INSTALL COUPLING BETWEEN NEW AND EXISTING 4" PVC.
5. 4" PERFORATED BITUMINIZED PIPE (BOTH SIDES.)
6. BED NEW 4" PVC PIPE W/ 6" SAND BASE.

LEGEND:

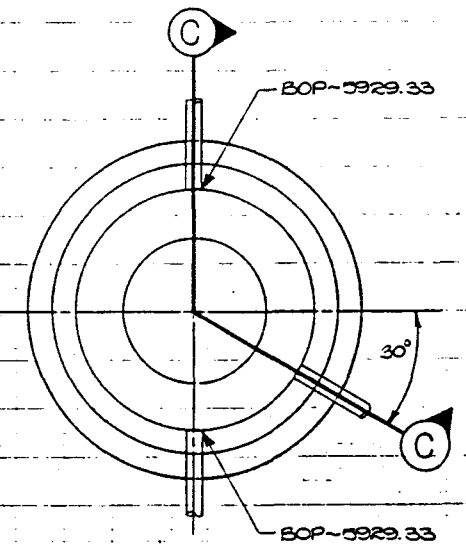
————	EXISTING
————	NEW
BOP	BOTTOM OF PIPE
ID	INSIDE DIAMETER
PVC	POLYVINYL CHLORIDE
IE	INVERT ELEVATION
▷	UNDERGROUND UTILITIES POST



SECTION B
26637-1 SCALE: 1"=5'-0"



DETAIL "1"
NO SCALE



MANHOLE PLAN
SCALE: 1/2"=1'-0"

ISSUE	DESCRIPTION	DATE	KFP			DOE	CLASS	JOB NO.
B	AS BUILT	6-16-82	BC			JRH		420521
A	ORIGINAL ISSUE	2-25-82	BC	RG		JPM		420521

TOLERANCES UNLESS NOTED OTHERWISE		BY	DATE
FRACT. ±	DESIGNED	EDEN	2-16-82
ANGLE ±	DRAWN	DOWNERS	2-17-82
DEC. ±	CHECKED	TRUJILLO	2-23-82
	APPROVED	RGreen	2-25-82
REMOVE BURRS AND SHARP EDGES			
HEAT ASSEMBLY			
	SUBMITTED		
SCALE NOTED	APPROVED KFP		3-2-82
	APPROVED		

U.S. DEPARTMENT OF ENERGY
ROCKY FLATS AREA OFFICE — GOLDEN, COLORADO
ENERGY SYSTEMS GROUP
ROCKWELL INTERNATIONAL
ROCKY FLATS PLANT — GOLDEN, COLORADO 80401

NITRATE COLLECTION
DETAILS AND SECTIONS

SIZE	DRAWING NUMBER	ISSUE	SHEET
D	26637-02	B	2 OF

PIPE LINE LEGEND

4"-DW-132-PE

LINE SIZE
FLOW MEDIA
LINE NO.
MATERIAL SPEC.

SEE DWG. 27452-211 FOR DETAILS OF POND DIKE PENETRATION AND NEW PIPING INTO POND 207-A

VALVE PIT AND POND PENETRATION WORK DELETED FROM PROJECT BY D.O.E. IN ORDER TO CLOSE OUT THE "WATER CONTROL AND RECYCLE" PROJECT.

TERMINATE 2"-D-1-PVC NORTHEAST OF THE NEW VALVE PIT FOR CONTINUATION ON A FUTURE PROJECT BY OTHERS

FOR CONTINUATION SEE 27550-040

N38,099.04
E22,137.00

SECTION AA SECTION AT POND 207-C SHILOAH

GRAPHIC SCALE

PERIMETER SECURITY ZONE - INVITATION NO. DE-RF04-90AL13922 CONTRACTOR SHALL DO ALL WORK NOTED AS REVISION 8 (WITHIN CLOUDED AREA)

BILL OF MATERIALS

ALL PIPE & FITTINGS SCHEDULE 80 PVC

3 EA. 3" GATE VALVES
2 EA. 3x3x3 TEES
3 EA. 3" UNIONS

POND 207-C

POND 207-A

POND 207-D NORTH

POND 207-B-CENTER

207-B SOUTH

EXISTING VALVE PIT

NEW VALVE PIT

CAP 3" LINE FOR CONTINUATION ON A FUTURE PROJECT

CONNECT TO EXIST. 3" STL PIPE

36" CMP VALVE PIT SEE DWG. 27452-210

SEE NOTE 4

SEE NOTE 2

SECTION W-W

EARTH BACKFILL

SAND BACKFILL

G	CLASS. REVIEW		06-26-86			300470
F	AS BUILT		5/12/90			389021
E	ADDED FORCE MAIN & VALVE PIT					389021
D	AS BUILT		10/16/78			369005
C	REV. AT VALVE PIT-ADD NOTE 4 AS BUILT SOME AREAS	J-5	3/27/78			369005
B	REVISED PIPING NEAR SOUTHEAST CORNER OF POND 207-A ADDED SECTION W-W DETAIL	G-2 L-1	10/29/77			369005
A	ORIGINAL ISSUE		7/27/77			369005

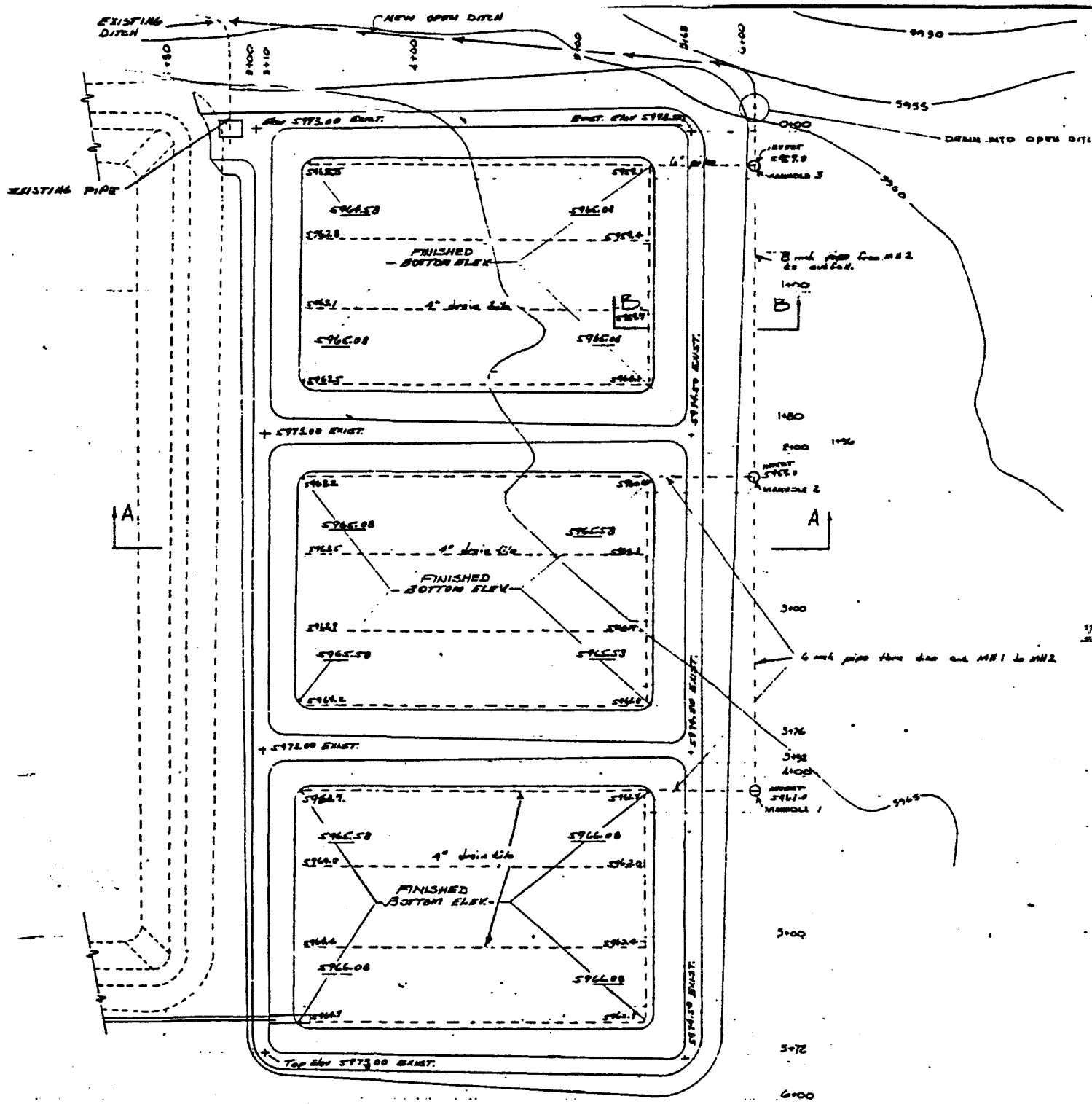
U.S. DEPARTMENT OF ENERGY
ROCKY FLATS AREA OFFICE GOLDEN, COLORADO

ENERGY SYSTEMS GROUP
ROCKWELL INTERNATIONAL
ROCKY FLATS PLANT GOLDEN, COLORADO

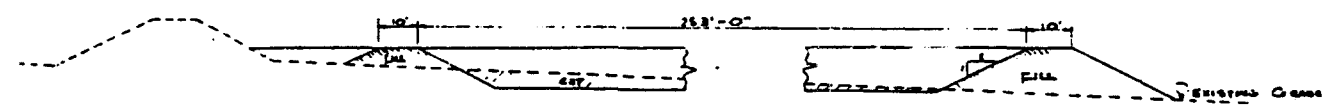
WATER CONTROL & RECYCLE POND AREA PIPING AND TIE-INS

DRAWN HANDY
CHECKED KRIZMAN 7/14/77
APPROVED
7/12/77

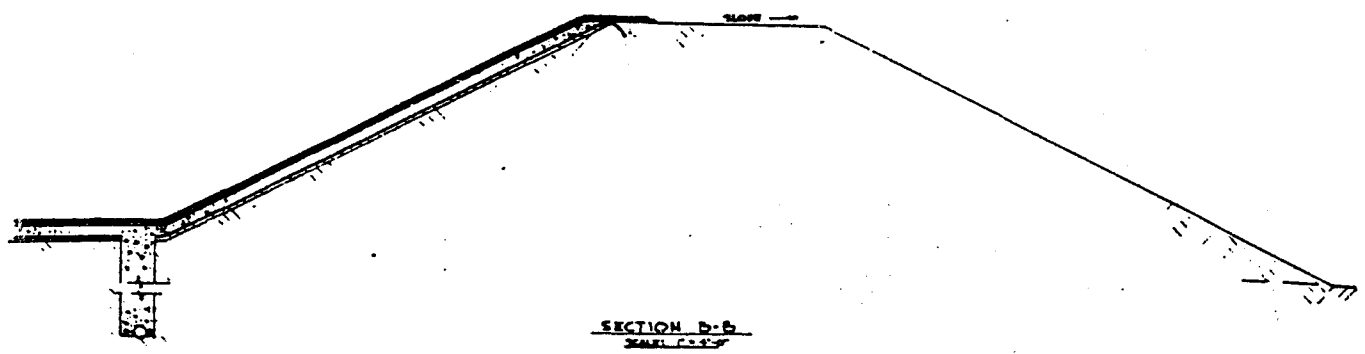
D 27452-209 G



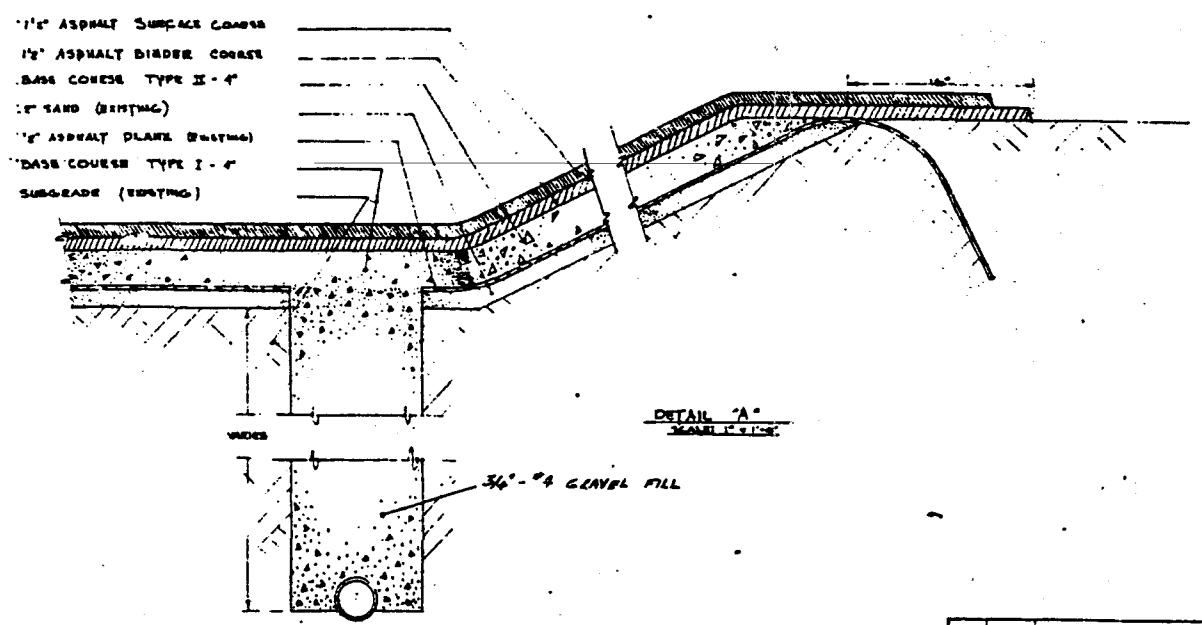
PLAN



SECTION A-A



SECTION B-B



DETAIL "A"

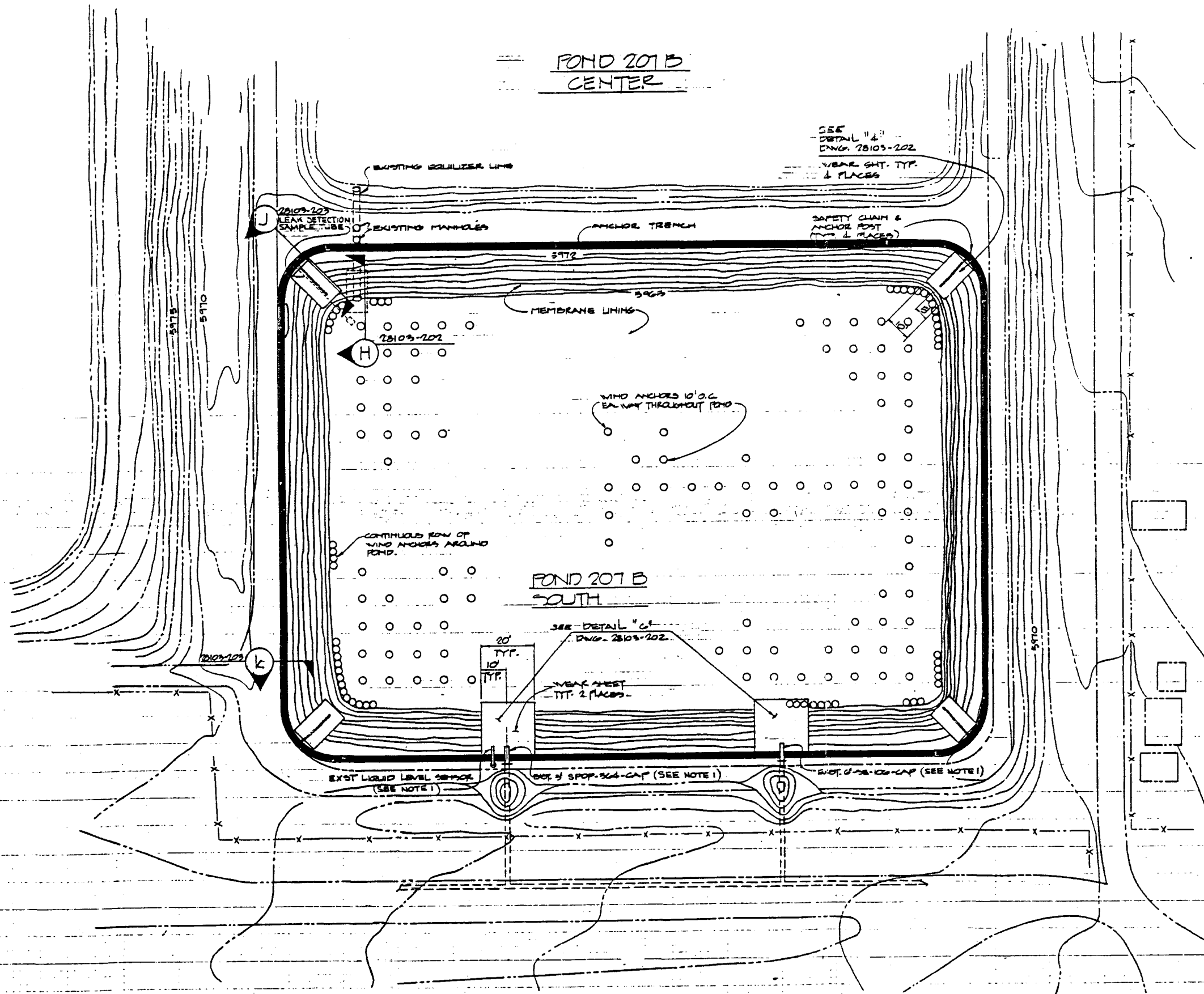
U. S. ATOMIC ENERGY COMMISSION
ROCKY FLATS AREA OFFICE

POND LINING DETAIL AND DRAINAGE PLAN

REPAIR OF WASTE DISPOSAL EVAPORATION POND 2-6
ROCKY FLATS PLANT

DENVER, COLORADO

BENSON-LOED COMPANY



GENERAL NOTES:

1. THE FOLLOWING POND PREPARATION WORK HAS BEEN DONE BY OTHERS:
   A. INSTALLATION OF PIPING.
   B. INSTALLATION OF ANCHOR POSTS.
   C. INSTALLATION OF LEAK DETECTION SAMPLE TUBE.
   D. PREPARATION OF ANCHOR TRENCH FOR PLACEMENT OF MEMBRANE LINING.
   E. INSTALLATION OF CONCRETE APRON AROUND EQUALIZER LINE.

NOTES: (THIS DWG ONLY)

1. THE EXISTING LIQUID LEVEL SENSOR AND POND FILL LINES (3"SPOP-364-CAP & 6"SE-106-CAP) MAY BE TEMPORARILY DISCONNECTED AT THEIR FLANGES TO FACILITATE WORK AT THE ANCHOR TRENCH.

SYM	DESCRIPTION	DATE	AS	DCR	CLASS	JOB NO.
B	CLASS. REVIEW	06-24-86				900470
A	ORIGINAL ISSUE	3/27/78	LO	RG		860541

U. S. DEPARTMENT OF ENERGY
ROCKY FLATS AREA OFFICE — GOLDEN, COLORADO
ROCKWELL INTERNATIONAL
ATOMICS INTERNATIONAL DIVISION
ROCKY FLATS PLANT — GOLDEN, COLORADO 80401

	BY	DATE
DESIGNED	[illegible]	11-8-77
DRAWN	GRTYL	11-10-77
CHECKED	OSMAN	2-6-78
APPROVED	[illegible]	2-13-78
SUBMITTED		
APPROVED AI	[illegible]	3/13/78
APPROVED DOE	[illegible]	3/14/78

TOLERANCES: FRACT. ± ANGLE ± DEC. ± UNLESS NOTED OTHERWISE

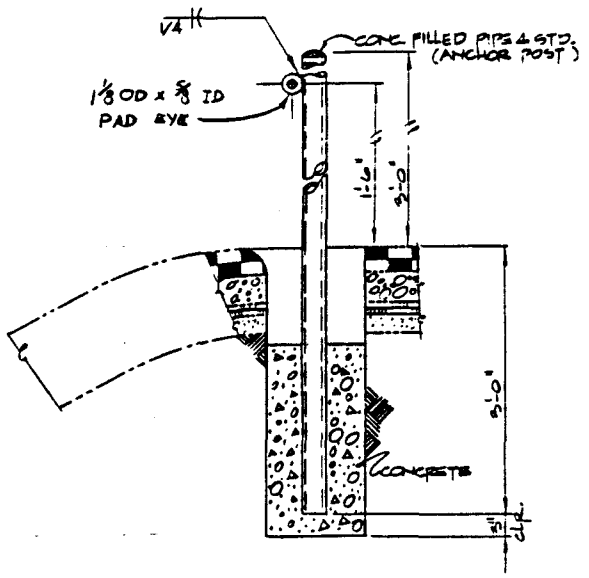
SCALE 1" = 20'

MEMBRANE POND LINER
PHASE I
PLAN

SIZE D — DRAWING NUMBER 28103-201 — REVISION B — SHEET 4

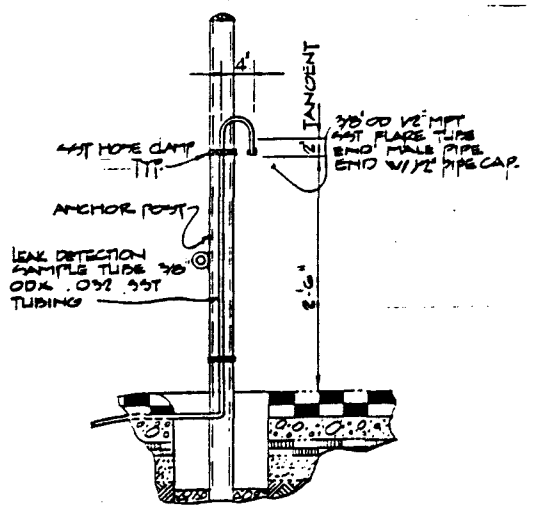
NOTES: (THIS DWG ONLY)

1. LOCATE FILTER POCKET AT LOW POINT OF POND.



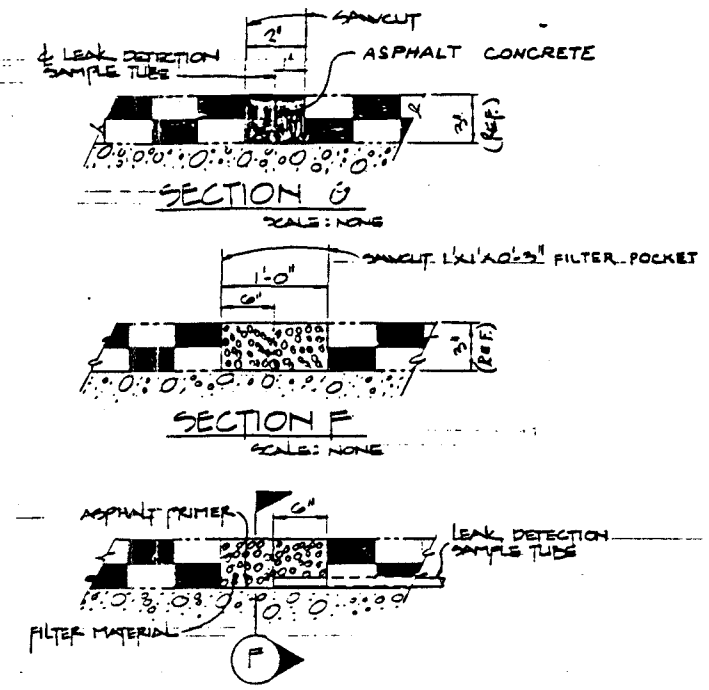
SECTION C

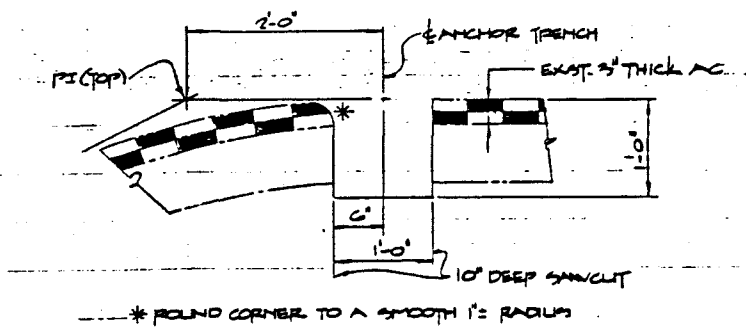
28103-101 SCALE 1"=1'-0"



DETAIL "1"

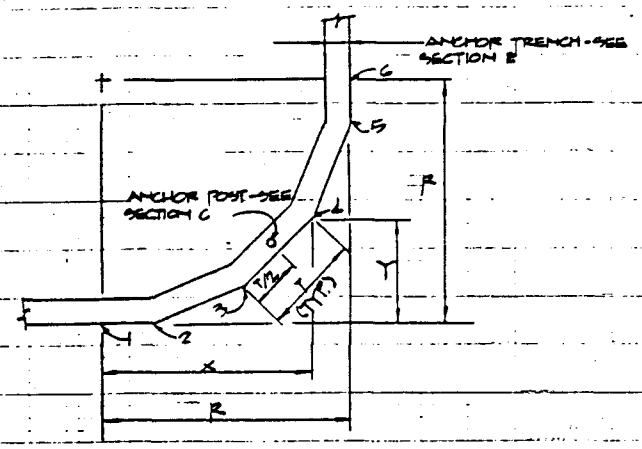
SCALE 1"=1'-0"





SECTION E

28103-101 SCALE 1"=1'-0"



DETAIL "3"

28103-101 SCALE: NONE

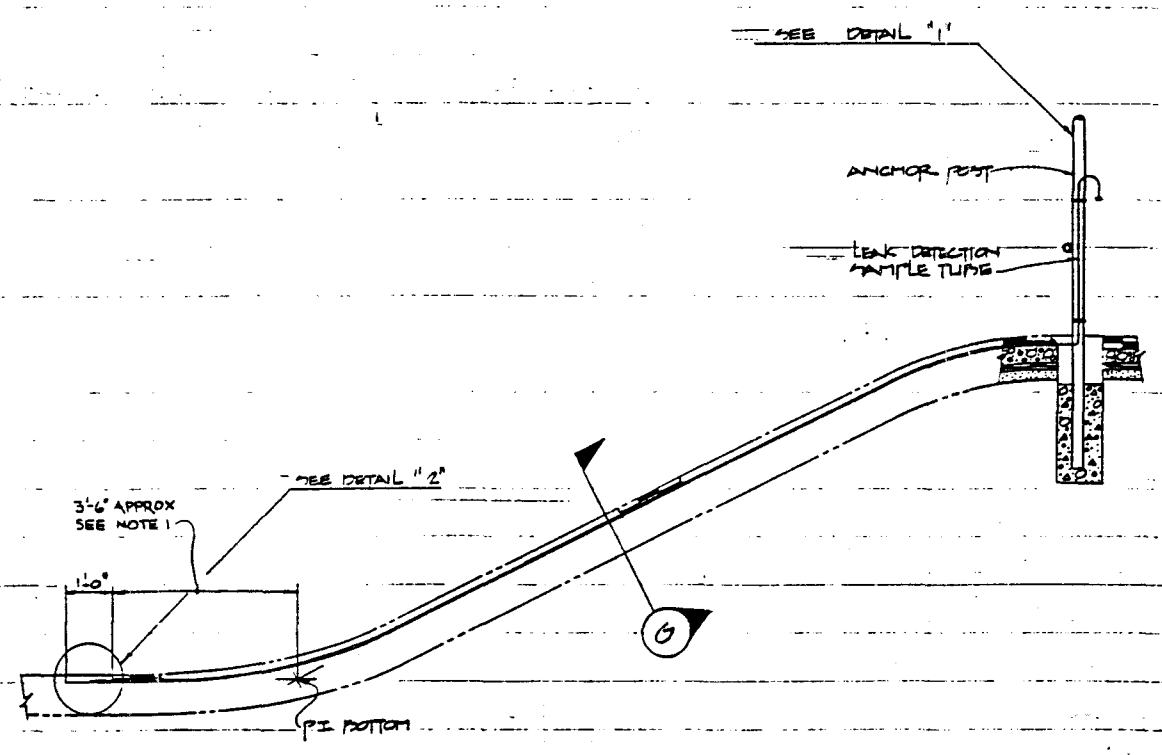
(SEE TABLE A FOR DATA)

R	T	POINT	X	Y
10	3.98	1	0	0
		2	1.99	0
		3	5.67	1.52
		4	8.48	4.33
		5	10.00	8.01
		6	10.00	10.00
15	5.97	1	0	0
		2	2.98	0
		3	8.50	2.28
		4	12.72	6.50
		5	15.00	12.02
		6	15.00	15.00
20	7.96	1	0	0
		2	3.98	0
		3	11.33	3.04
		4	16.96	8.67
		5	20.00	16.02
		6	20.00	20.00
25	9.95	1	0	0
		2	4.97	0
		3	14.16	3.80
		4	21.20	10.84
		5	25.00	20.03
		6	25.00	25.00

NOTES: 1. ALL DIMENSIONS ARE IN FEET
2. THE APPROPRIATE RADIUS FOR EACH CORNER WILL BE SELECTED BY THE CONTRACTING OFFICER.

TABLE A

(REF. DETAIL "3")



SECTION D

28103-101 SCALE: 1/4"=1'-0"

B	CLASS. REVIEW							900470
A	ORIGINAL ISSUE		3/27/78	LOTREL				
SYMB	DESCRIPTION		DATE	AI			CLASS	JOB NO.

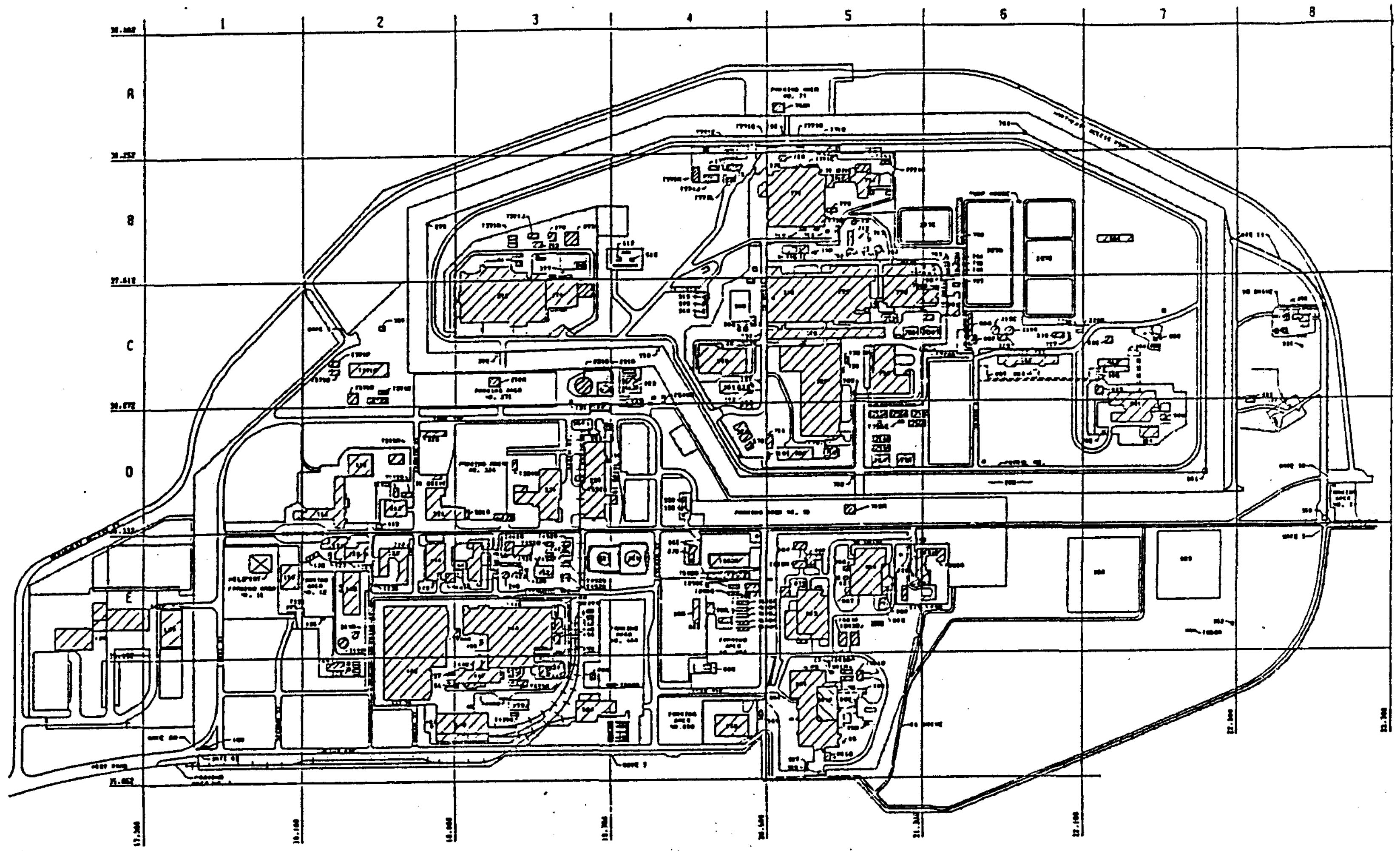
	BY	DATE
DESIGNED	MONTERROY	1-25-77
DRAWN	PATTIZ	1-26-77
CHECKED	OSMAN	2-6-78
APPROVED	R.E. Kenner	2-13-78
SUBMITTED		
APPROVED AIC	A. Kenner	3/13/78
APPROVED DOE	[illegible]	3/15/78

U.S. DEPARTMENT OF ENERGY
ROCKY FLATS AREA OFFICE — GOLDEN, COLORADO
ROCKWELL INTERNATIONAL
ATOMICS INTERNATIONAL DIVISION
ROCKY FLATS PLANT — GOLDEN, COLORADO 80401

MEMBRANE POND LINER
PHASE I
SECTIONS AND DETAILS

SIZE D — DRAWING NUMBER 28103-102 — REV B — SHEET 3

PART	QUAN	DESCRIPTION	MATERIAL



LEGEND

SYMBOL	DESCRIPTION
(hatched)	BUILDING OR STRUCTURE
(dotted)	PAVED AREA
—X—	FENCE
—+—+—	RAILROAD TRACK
[ ]	UNDERGROUND STRUCTURE

ABREVIATIONS

ABDN	ABANDONED
ABM	ALARM AND METERING
AR	ARGON
AS	ALARM SYSTEM————2'6" TO 3'0" DEEP
BD	BLOW DOWN
BM	BENCH MARK (ALSO ABM)
B.O.P.	BOTTOM OF DUCT
B.O.D.	BOTTOM OF PIPE
BA.	BREATHING AIR
CA OR CAP	CEMENT-ASBESTOS PIPE
CB	CATCH BASIN
CCL4	CARBON TETRACHLORIDE
CD	CONDUIT
CI	CAST IRON PIPE
CMP	CORRUGATED METAL PIPE
CN	CONDENSATION, STEAM
CNA	CONCENTRATED NITRIC ACID
CONC	CONCRETE
CWNP	COLD WATER NOT POTABLE
CWR	COOLING WATER RETURN
CWS	COOLING WATER SUPPLY
CU	COPPER PIPE
CO	CLEAN OUT
DCW	DOMESTIC COLD WATER } 5'-0" TO 8'-0" DEEP
DCWF	DOMESTIC COLD WATER-FIRE } 5'-0" TO 8'-0" DEEP
D.I.	DUCTILE IRON PIPE
DUCT	DUCT PLASTIC, TRANSITE OR STEEL IN CONC.
E	ELECTRICAL————4'-6" TO 3'-0" DEEP
EL OR ELEV.	ELEVATION
EMH	ELECTRICAL MANHOLE
E-N	N_2 LOW PRESSURE ALARM
FD	FOUNDATION DRAIN
FG	FIBERGLASS PIPE
FH	FIRE HYDRANT
FO	FUEL OIL
G	GLASS LINED PIPE } 4'-0" DEEP
GLP	GAS, LIQUID PETROLEUM } 4'-0" DEEP
GN	GAS, NATURAL } 4'-0" DEEP
HF	HYDROFLORIC ACID } 4'-0" DEEP
HH	HAND HOLE
HW	HONEYWELL ALARM SYSTEM
KV	KILOVOLT
KOH	POTASSIUM HYDROXIDE
IA	INSTRUMENT AIR
LW	LAUNDRY WASTE
MH	MANHOLE
N_2	NITROGEN } 2'-0" TO 4'-0" DEEP
O_2	OXYGEN } 2'-0" TO 4'-0" DEEP
OS	OUTFALL SEWER } 2'-0" TO 4'-0" DEEP
PA	PLANT AIR
PB	PULL BOX
PE	POLYETHYLENE PIPE
POW	PROCESS OIL WASTE
PVC	POLYVINYL CHLORIDE PIPE
PW	PROCESS WASTE } 4'-0" TO 8'-0" DEEP
PWF	PROCESS WASTE-FORCED } 4'-0" TO 8'-0" DEEP
PWR	PROCESS WASTE RETURN } 4'-0" TO 8'-0" DEEP
PWS	PROCESS WASTE SUPPLY } 4'-0" TO 8'-0" DEEP
RT	RIGID TEFLON PIPE
RW	RAW WATER
SD	STORM DRAIN } 4'-0" TO 8'-0" DEEP
SS	SANITARY SEWER } 4'-0" TO 8'-0" DEEP
SSF	SANITARY SEWER FORCED } 4'-0" TO 8'-0" DEEP
SST	STAINLESS STEEL PIPE } 4'-0" TO 8'-0" DEEP
STM	STEAM (5 P.S.I. & ABOVE) } 4'-0" TO 8'-0" DEEP
STL	STEEL PIPE
T	TELEPHONE————4'-0" TO 8'-0" DEEP
TMH	TELEPHONE MANHOLE
TWR	TOWER WATER RETURN
TWS	TOWER WATER SUPPLY
UC-1	UNDERGROUND CABLE-CLASS 1 } 2'-6" TO 3'-0" DEEP
UC-2	UNDERGROUND CABLE-CLASS 2 } 2'-6" TO 3'-0" DEEP
VCP	VITRIFIED CLAY PIPE
VV	VALVE VAULT
SE	SEWAGE EFFLUENT
ROF	REVERSE OSMOSIS FEED
ROPW	REVERSE OSMOSIS PRODUCT WATER
PFBW	PRECOAT FILTER BACKWASH
PROB	PRIMARY REVERSE OSMOSIS BRINE
SROP	SECONDARY REVERSE OSMOSIS PREMATE
DBF	DRYING BED FILTRATE

KEY TO DRAWINGS OF AREA PLOT PLAN

			A-3 15501-3	A-4 15501-4	A-5 15501-5	A-6 15501-6	A-7 15501-7			
		B-2 15501-10	B-3 15501-11	B-4 15501-12	B-5 15501-13	B-6 15501-14	B-7 15501-15	B-8 15501-16		
	C-1 15501-17	C-2 15501-18	C-3 15501-19	C-4 15501-20	C-5 15501-21	C-6 15501-22	C-7 15501-23	C-8 15501-24		
	D-W1 15501-25	D-1 15501-26	D-2 15501-27	D-3 15501-28	D-4 15501-29	D-5 15501-30	D-6 15501-31	D-7 15501-32	D-8 15501-33	D-16 15501-34
	E-W1 15501-38	E-1 15501-39	E-2 15501-40	E-3 15501-41	E-4 15501-42	E-5 15501-43	E-6 15501-44	E-7 15501-45	E-8 15501-46	
	F-W1 15501-49	F-1 15501-50	F-2 15501-51	F-3 15501-52	F-4 15501-53	F-5 15501-54	F-6 15501-55	F-7 15501-56	F-8 15501-57	
G-W8 15501-59										

DWG. 15501-74
DWG. 15501-75

QUADRANT A 15501-70	QUADRANT B 15501-71
QUADRANT C 15501-72	QUADRANT D 15501-73

RFAO PLANT VICINITY UTILITIES DRAINAGE & QUADRANTS A-B-C-D

REFERENCE DRAWINGS

25581-1	FOUNDATION DRAINAGE PLAN
14300-1	AREA PLOT PLAN W/BENCH MARKS
14300-3	BUFFER ZONE 10' CONTOUR INTERVAL
15520-1	ROCKY FLATS PLOT PLAN (GRID SYSTEM)
21213-11	E. ACCESS RD. AT INDIANA
18789-1	PLANT VICINTY & DRAINAGE PLAN
E18789-7	BOUNDRY LINES & MONUMENTATION (U.S. ARMY ENG.)
216-M-2	RAW WATER LINE FROM PUMPING STAT. ON TO WATER TREATMENT PLANT.
27201-1	ENVIRONMENTAL STUDY LOCATIONS & ZONE DESIGNATIONS
9962	DWG. SERIES FOR WATER SUPPLY
E18789-6	REAL ESTATE AQUISITION
25730-3	SWECS TOWER LOC. PLAN
25022-4	FOUNDATION & STORM DRAIN PLAN BLDG. 371

UTILITY INDENTIFICATION

12" DCW-CI
— SIZE OF PIPE OR CONDUIT
— TYPE OF UTILITY
— MATERIAL OF PIPE OR CONDUIT

3" PW-PE
4" PW-PE
GANGED SYMBOLS INDICATE 2 OR MORE UTILITIES IN THE SAME AREA

85 - 3 - R
— INDICATES FIRE LINE (RED)
— VALVE NO. WITHIN INDICATED ZONE
— ZONE NUMBER

85 - 3 - G
— INDICATES DOMESTIC WATER (GREEN)
— VALVE NO. WITHIN INDICATED ZONE
— ZONE NUMBER

6 - 10 INDICATES FIRE LINE (RED)

SYMBOLS

- UTILITY BELOW GRADE
- UTILITY ABOVE GRADE
- UTILITY LINE IN SERVICE
- UTILITY LINE ABANDONED
- VALVE
- POST INDICATOR VALVE
- FIRE HYDRANT
- POWER POLE
- POWER POLES WITH ANCHORS
- MANHOLE OR VALVE VAULT
- BENCH MARK MONUMENT
- CULVERT
- CLEAN OUT
- SLUICE GATE

MASTER DRAWING
MAINTAIN AS-BUILT PER DES-8
FE GROUP RESPONSIBLE PCSE

KEYWORDS
1. SITE
2. UTILITIES
3. ABOVEGROUND
4. UNDERGROUND
5.
BLDG/FACILITY: SITE

ISSUE	DESCRIPTION	DATE	RFP	DOE		
N	ADDED MASTER STAMP	7/26/91	— KM	OU		900458
M	UPDATED	7-1-86	— BSP	— VT		450031

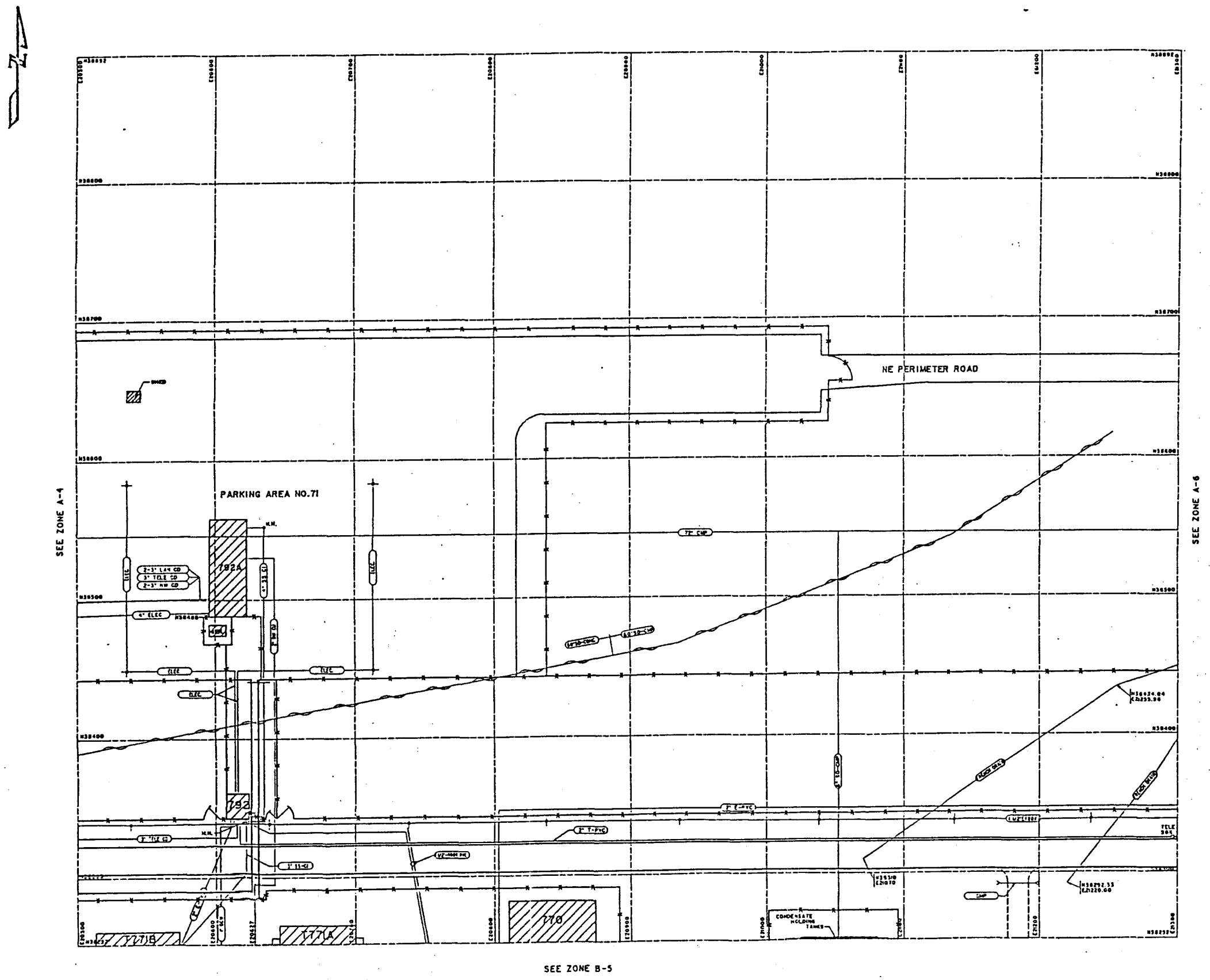
	BY	DATE
DESIGNED	—	—
DRAWN	KELLOUGH	7-20-83
CHECKED	TRUJILLO	8-23-83
APPROVED	TERKUN	8-24-83

SCALE: NONE

U.S. DEPARTMENT OF ENERGY
ROCKY FLATS OFFICE GOLDEN, COLORADO
Rocky Flats Plant
GOLDEN, COLORADO
UTILITY LAYOUT
LEGEND SHHET

SIZE: D | DRAWING NUMBER: 15501-2-M | ISSUE: N | SHEET: OF

PART	QUAN	DESCRIPTION	MATERIAL



40' 20' 0 40' 80' 120'
1" = 40'

MASTER DRAWING

MAINTAIN AS-BUILT PER DES-8
FE GROUP RESPONSIBLE PCSE

G	UPDATED	6/11/90	—	KS	900455
F	UPDATED	7-1-86	—	BP	DLG 450031
	DESCRIPTION	DATE		APP	JOB NO.

KEYWORDS
1. UTILITY
2. UNDERGROUND
3. PLAN
4. SITE
5. ABOVEGROUND

BLDG./FACILITY: SITE

TOLERANCES: FRACT. ±. ANGLE ±. DEC. ±. UNLESS NOTED OTHERWISE. REMOVE BURRS AND SHARP EDGES

	BY	DATE
DESIGNED	—	—
DRAWN	KELLOUGH	7-20-83
CHECKED	—	—
APPROVED	Y. TERKUN	6-27-86
SUBMITTED		

SCALE: 1" = 40'-0"

U.S. DEPARTMENT OF ENERGY
ROCKY FLATS OFFICE GOLDEN, COLORADO

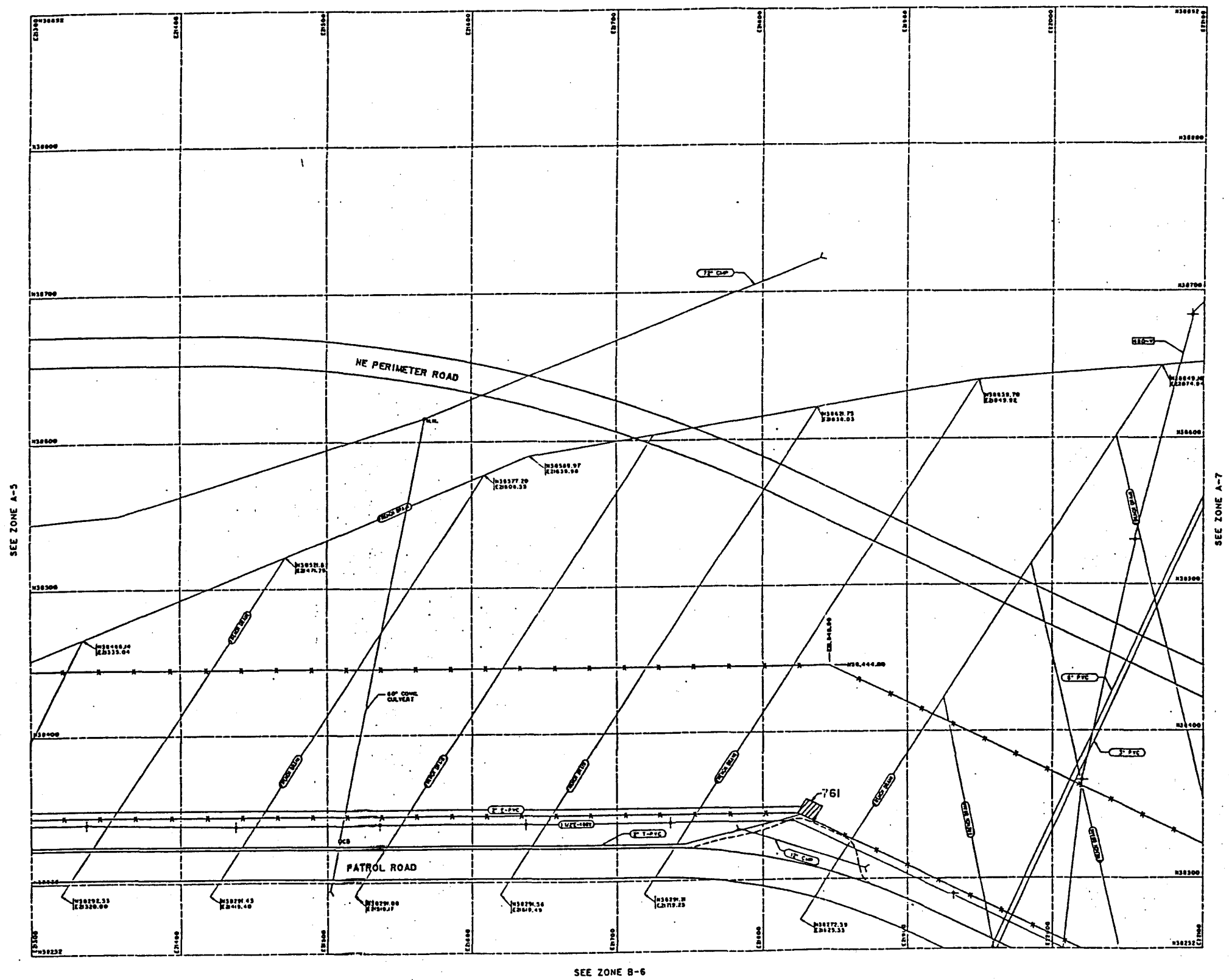
Rocky Flats Plant
GOLDEN, COLORADO

SITE UTILITY PLANS.

SIZE D | DRAWING NUMBER 15501-5-M | ISSUE G | SHEET A-5

PRIMARY COPY COMPUTER GENERATED

PART	SUBA.	DESCRIPTION	MATERIAL



40' 20' 0 40' 80' 120'
1" = 40'

MASTER DRAWING

MAINTAIN AS-BUILT PER DES-8
FE GROUP RESPONSIBLE ____

	F	UPDATED	6/14/90	KS	OU		900455
KEYWORDS	E	UPDATED	7-1-86	BSP	VT	DLG	650031

1. UTILITY
2. UNDERGROUND
3. PLAN
4. SITE
5. ABOVEGROUND

SITE

ISSUE	DESCRIPTION		BY	DATE
TOLERANCES FRACT. ± ANGLE ± DEC. ± UNLESS NOTED OTHERWISE		DESIGNED	—	—
		DRAWN	KELLOUGH	7-20-83
		CHECKED	—	—
		APPROVED	Y. TERKUN	6-27-86
REMOVE BURRS AND SHARP EDGES				
		SUBMITTED		
SCALE: 1"=40'-0"		APPROVED REP.		
		APPROVED COE		

DATE | RFP | PDE | CLASS | JOB NO

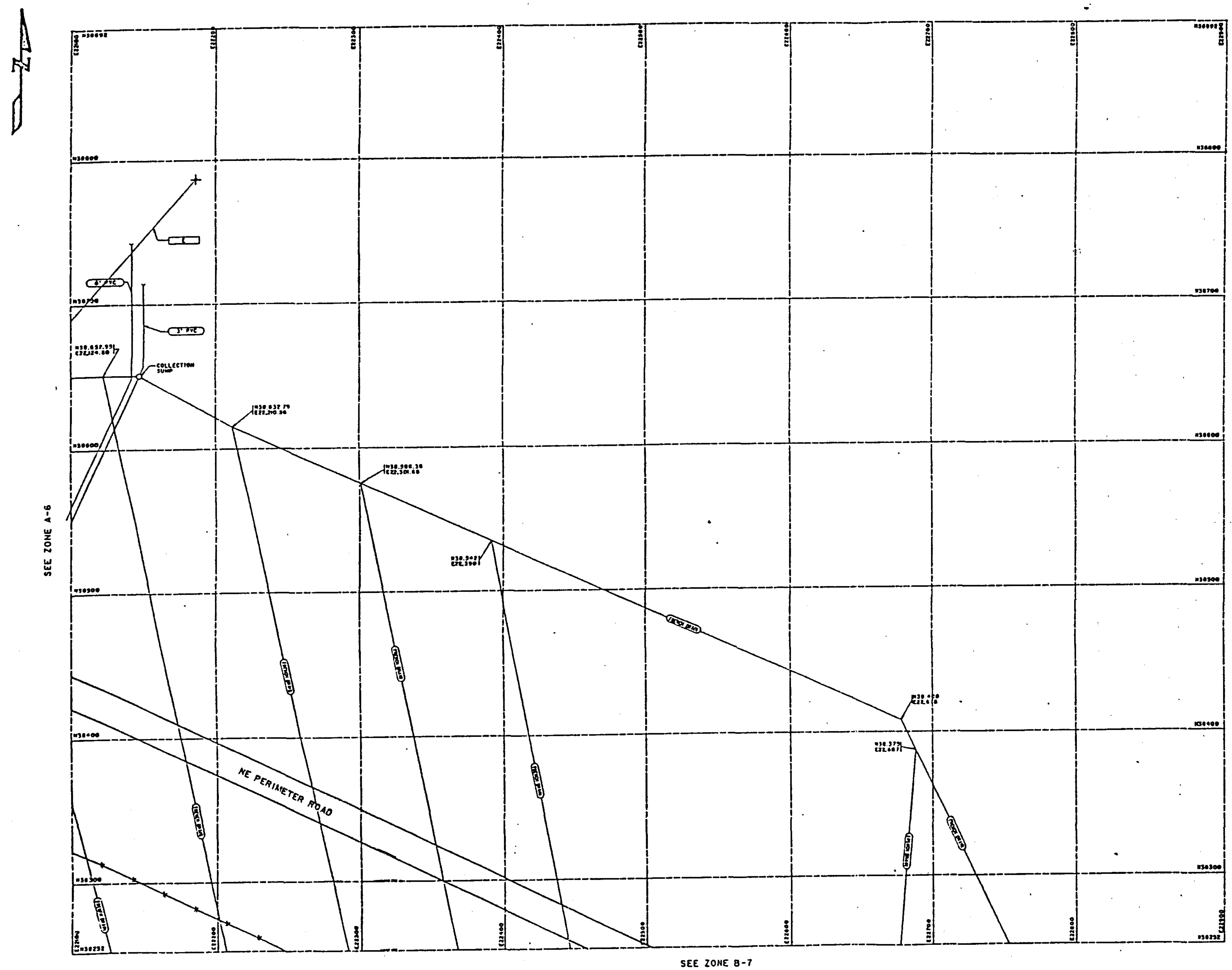
U.S. DEPARTMENT OF ENERGY
ROCKY FLATS OFFICE GOLDEN, COLORADO

Rocky Flats Plant
GOLDEN, COLORADO

SITE UTILITY PLANS

SIZE: | DRAWING NUMBER | REV: | SHEET

D 15501-6-M F A 6



MASTER DRAWING

MAINTAIN AS-BUILT PER DES-8

FE GROUP RESPONSIBLE PCSE

KEYWORDS	ISSUE	DESCRIPTION	DATE			
1. UTILITY	B	UPDATED	6-14-94	KS	OU	900452
2. UNDERGROUND	A	ORIGINAL ISSUE	7-1-86	BP	VT	DLG 450031
3. PLAN		DESIGNED — —				
4. SITE		DRAWN PARKS 2-26-86				
5. ABOVEGROUND		CHECKED — —				
SITE		APPROVED Y. TERKUN 6-27-86				

U.S. DEPARTMENT OF ENERGY

ROCKY FLATS OFFICE GOLDEN, COLORADO

Rocky Flats Plant

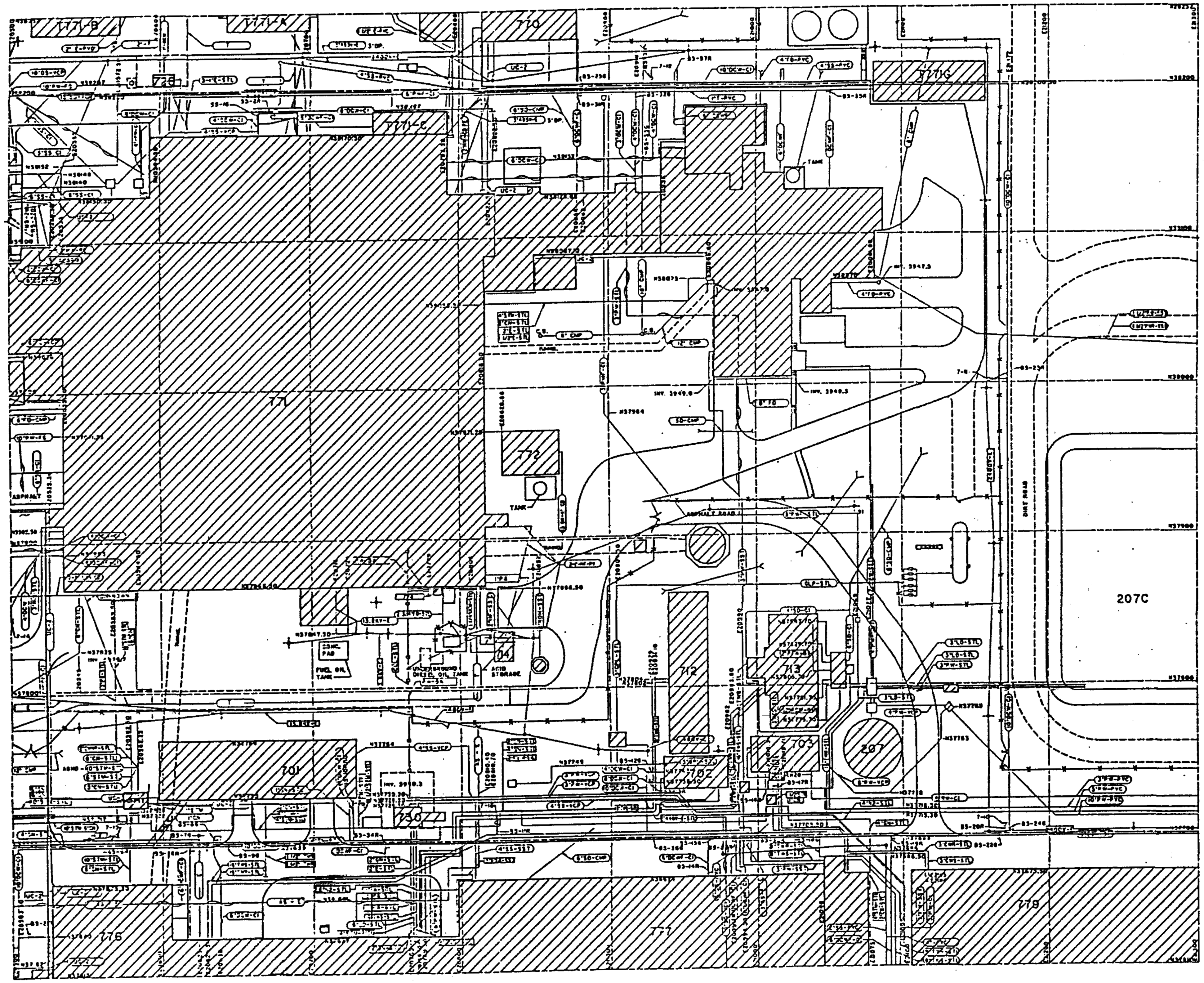
GOLDEN, COLORADO

SITE UTILITY PLANS

SCALE: 1"=40'-0"

SIZE D DRAWING NUMBER 15501-7-M ISSUE B SHEET A of 7

SEE ZONE A-5



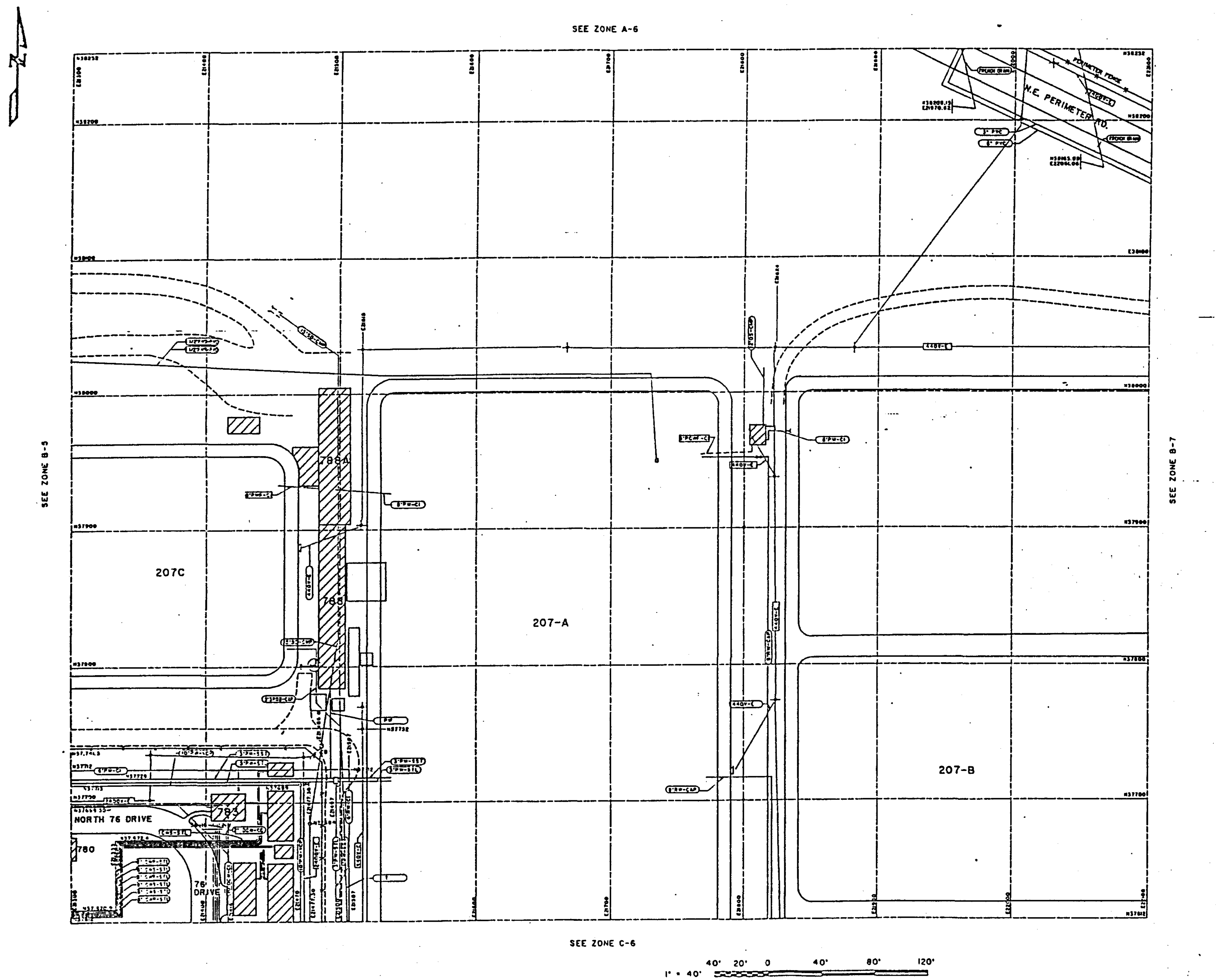
SEE ZONE C-5

1" = 40'   40' 20' 0 40' 80' 120'

MASTER DRAWING

MAINTAIN AS-BUILT PER DES-8
FE GROUP RESPONSIBLE PCSE

KEYWORDS									
1. UTILITY	R	ADDED MASTER STAMP			7/24/90	—	KM	OU	900458
2. UNDERGROUND	P	CONTROLLED DRAWING			1-17-87	—	WC	— RKJ	DLG 470601
3. PLAN	ZONE	DESCRIPTION			DATE		RFP	DOE	CLASS JOB NO.
4. SITE	TOLERANCES	DESIGNED	—	—	U.S. DEPARTMENT OF ENERGY				
5. ABOVEGROUND		DRAWN	KELLOUGH	7-20-83	ROCKY FLATS OFFICE GOLDEN, COLORADO				
SITE		CHECKED	—	—	Rocky Flats Plant				
		APPROVED	Y. TERKUN	6-27-86	GOLDEN, COLORADO				
	SCALE: 1"=40'-0"				SITE UTILITY PLANS				
					SIZE D	DRAWING NUMBER 15501-13-M	ISSUE R	SHEET B-5	



MASTER DRAWING

MAINTAIN AS-BUILT PER DES-8

FE GROUP RESPONSIBLE PCSE

KEYWORDS
1. UTILITY
2. UNDERGROUND
3. PLAN
4. SITE
5. ABOVEGROUND
SITE

ISSUE	DESCRIPTION	DATE			
M	ADDED MASTER STAMP	7-2?-9?	—	LCB	OU
L	CONTROLLED DRAWING	1-17-86	—	WC	— RKJ

	BY	DATE
DESIGNED	—	—
DRAWN	KELLOUGH	7-20-83
CHECKED	—	—
APPROVED	Y. TERKUN	6-27-86

CE 900458 DLG 470601

U.S. DEPARTMENT OF ENERGY

ROCKY FLATS OFFICE GOLDEN, COLORADO

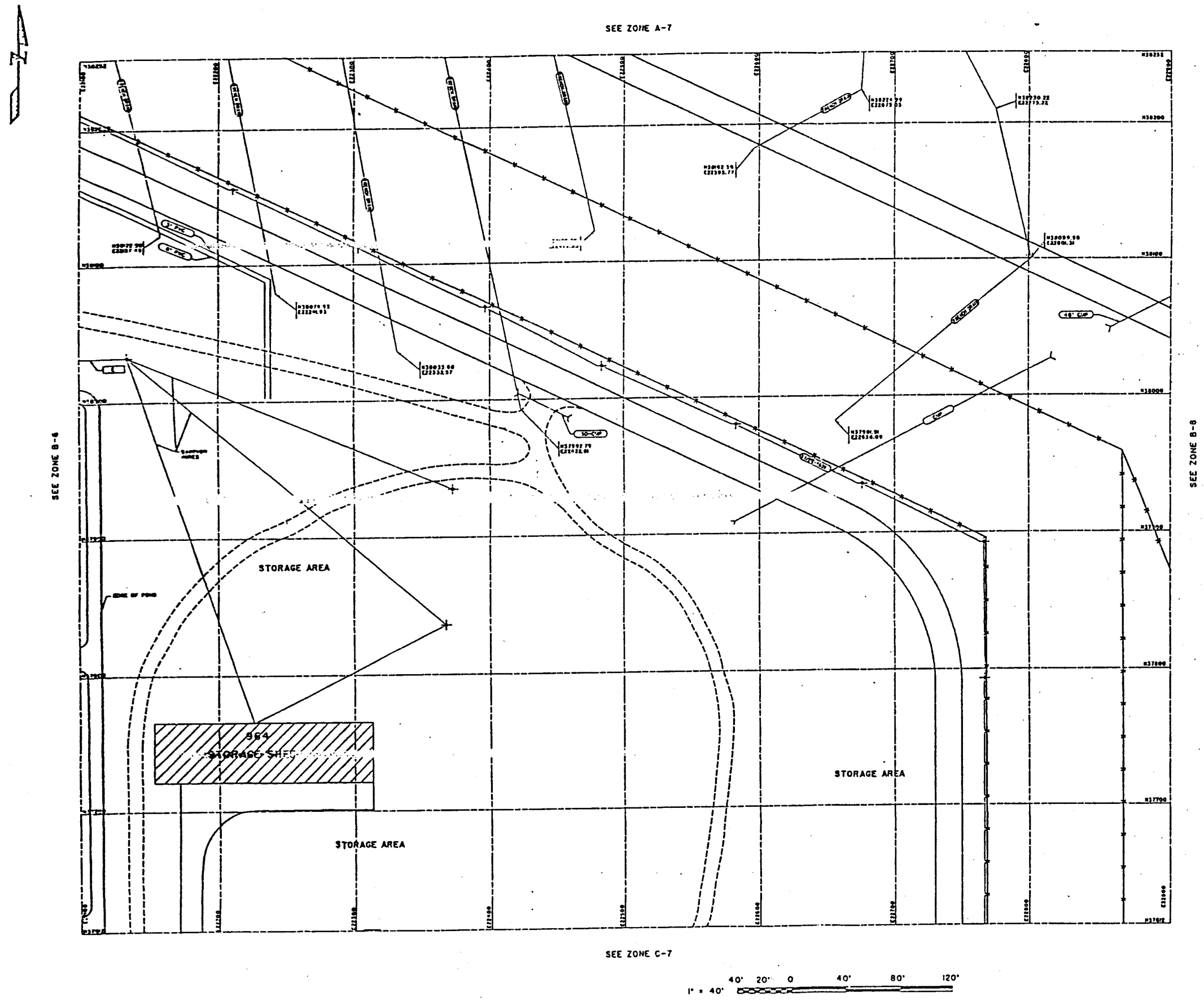
Rocky Flats Plant

GOLDEN, COLORADO

SITE UTILITY PLANS

SCALE: 1" = 40'-0"

SIZE D | DRAWING NUMBER 15501-14-M | ISSUE M | SHEET B-6



MASTER DRAWING

MAINTAIN AS-BUILT PER DES-8

FE GROUP RESPONSIBLE PCSE

KEYWORDS
1. SITE
2. UTILITY
3. PLAN
4. ABOVEGROUND
5. UNDERGROUND
FLOR/FACILITY
RFD/AREA
GRID COORD./COL. NO.

ISSUE	DESCRIPTION	DATE	RFP	DOE	CLASS	JOB NO.
G	ADDED MASTER STAMP	7-20-90	LCB	OU		900458
F	CONTROLLED DRAWING	1-17-87	WC	RKJ	DLG	470601

TOLERANCES: FRACT. ±, ANGLE ±, DEC. ±, UNLESS NOTED OTHERWISE

REMOVE BURRS AND SHARP EDGES

PART ASSEMBLY

SCALE: 1" = 40'-0"

	BY	DATE
DESIGNED	—	—
DRAWN	KELLOUGH	7-20-83
CHECKED	—	—
APPROVED	Y. TERKUN	6-27-86
SUBMITTED		
APPROVED RFP		
APPROVED DOE		

U.S. DEPARTMENT OF ENERGY

ROCKY FLATS OFFICE GOLDEN, COLORADO

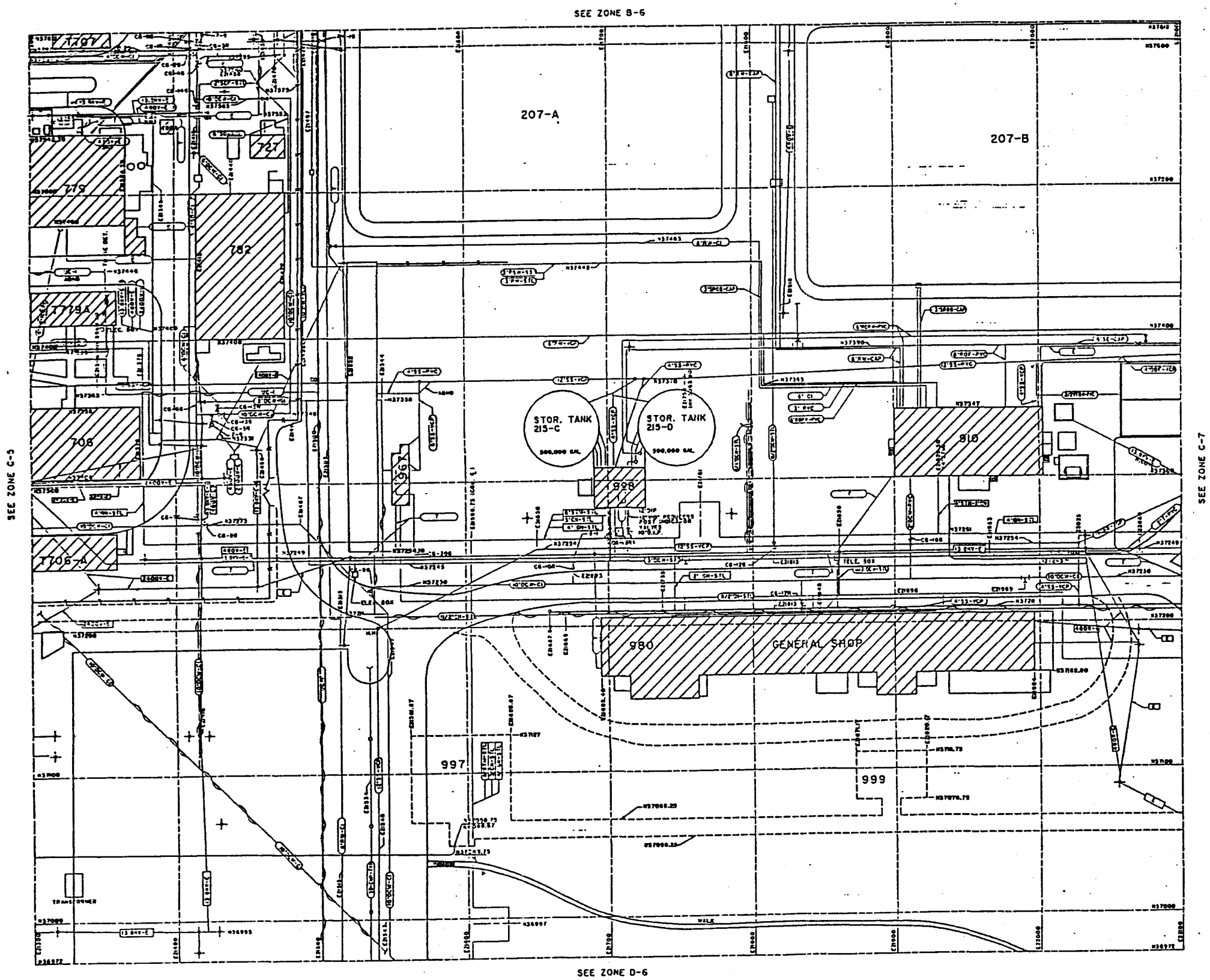
Rocky Flats Plant

GOLDEN, COLORADO

SITE UTILITY PLANS

SIZE	DRAWING NUMBER	ISSUE	SHEET
D	15501-15-M	G	B of 7

PART	DWN	DESCRIPTION	MATERIAL



1" = 40' 40' 20' 0 40' 80' 120'

MASTER DRAWING

MAINTAIN AS-BUILT PER DES-8
EE GROUP RESPONSIBLE PCSE

N	ADDED MASTER STAMP	7/20/90	LCB	OU			900458
M	CONTROLLED DRAWING	1-17-87	WC	RKJ		DLG	470601
ISSUE	DESCRIPTION	DATE	RFP		DOE	CLASS	JOB NO.

KEYWORDS
1. UTILITY
2. UNDERGROUND
3. PLAN
4. SITE
5. ABOVEGROUND
BLDG./FACILITY
SITE
ROOM/AREA
GRID COORD./COL. NO.

TOLERANCES: FRACT. ± ANGLE ± DEC. ± UNLESS NOTED OTHERWISE
REMOVE BURRS AND SHARP EDGES
NEXT ASSEMBLY

	BY	DATE
DESIGNED	—	—
DRAWN	KELLOUGH	7/20/83
CHECKED	—	—
APPROVED	TERKUN	6-17-86
SUBMITTED		
APPROVED RFP		
APPROVED DOE		

SCALE: 1" = 40'-0"

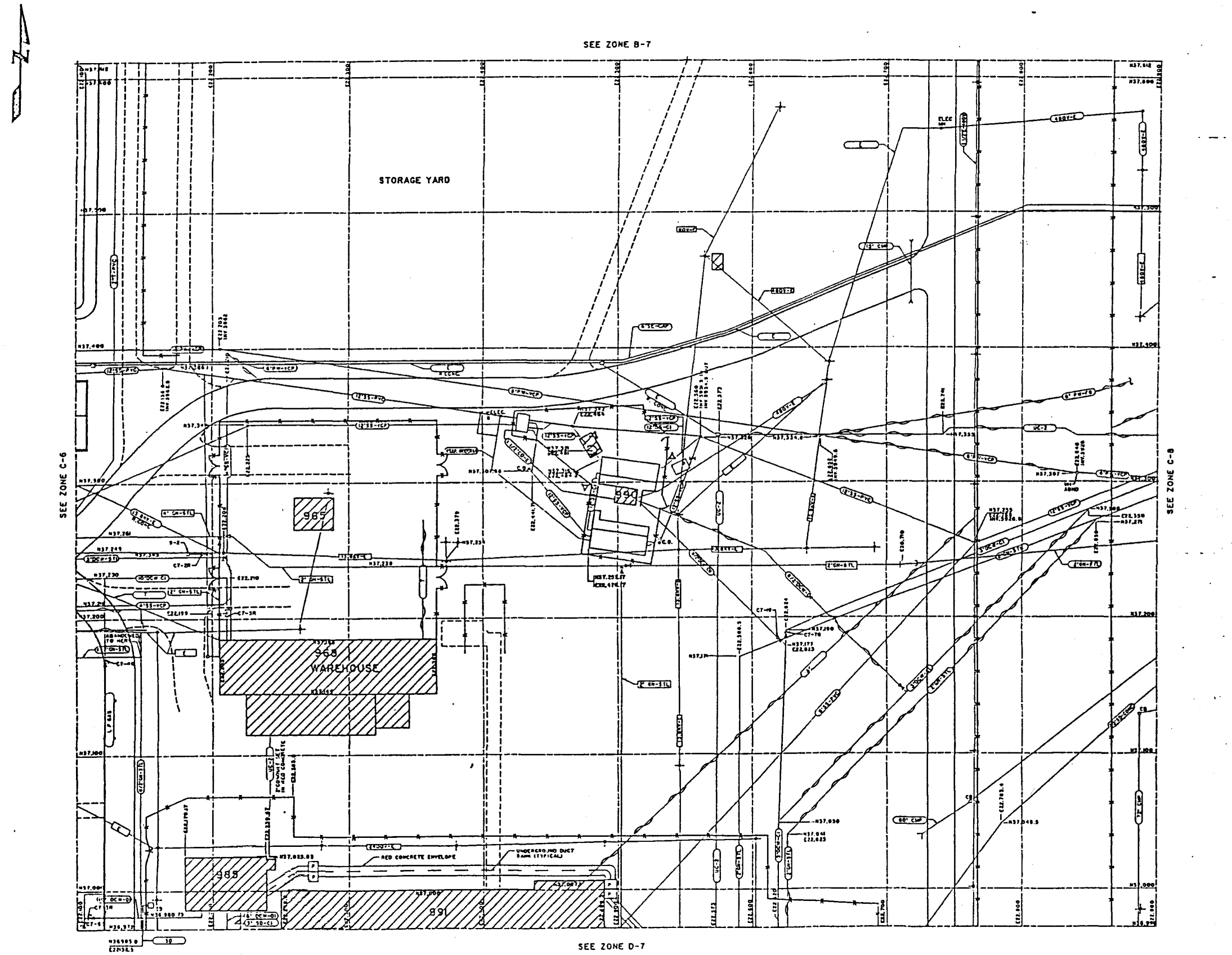
U.S. DEPARTMENT OF ENERGY
ROCKY FLATS OFFICE GOLDEN, COLORADO

Rocky Flats Plant
GOLDEN, COLORADO

SITE UTILITY PLANS

SIZE	DRAWING NUMBER	ISSUE	SHEET
D	15501-22-M	N	C of 6

PART	QUAN.	DESCRIPTION	MATERIAL



MASTER DRAWING

MAINTAIN AS-BUILT PER DES-8

FE GROUP RESPONSIBLE PCSE

KEYWORDS						
1. UTILITY	M	UPDATED	6-19-90	-	MLH	QU	KA	RWN 900656
2. UNDERGROUND	L	UPDATED	7-1-86	-	BSP	-	YT	RWS 450031
3. PLAN	ISSUE	DESCRIPTION	DATE		PFP		DOE	CLASS JOB NO.
4. SITE								
5. ABOVEGROUND								
SITE								

	BY	DATE
DESIGNED	—	—
DRAWN	KELLOUGH	7-20-83
CHECKED	—	—
APPROVED	TERKUN	6-17-86

TOLERANCES: FRACT. ± ANGLE ± DEC. ± UNLESS NOTED OTHERWISE

REMOVE BURRS AND SHARP EDGES

SCALE: 1" = 40'-0"

U.S. DEPARTMENT OF ENERGY
ROCKY FLATS OFFICE GOLDEN, COLORADO

Rocky Flats Plant
GOLDEN, COLORADO

SITE UTILITY PLANS

SIZE | DRAWING NUMBER | ISSUE | SHEET

D | 15501-23-M | M | C | 7