~~R-001-206.3~~
6-000-206.3

125

MANHOLE 180 SAMPLE

05-07-89

IT/WMCO
9
DATA

~~R-001-00125~~

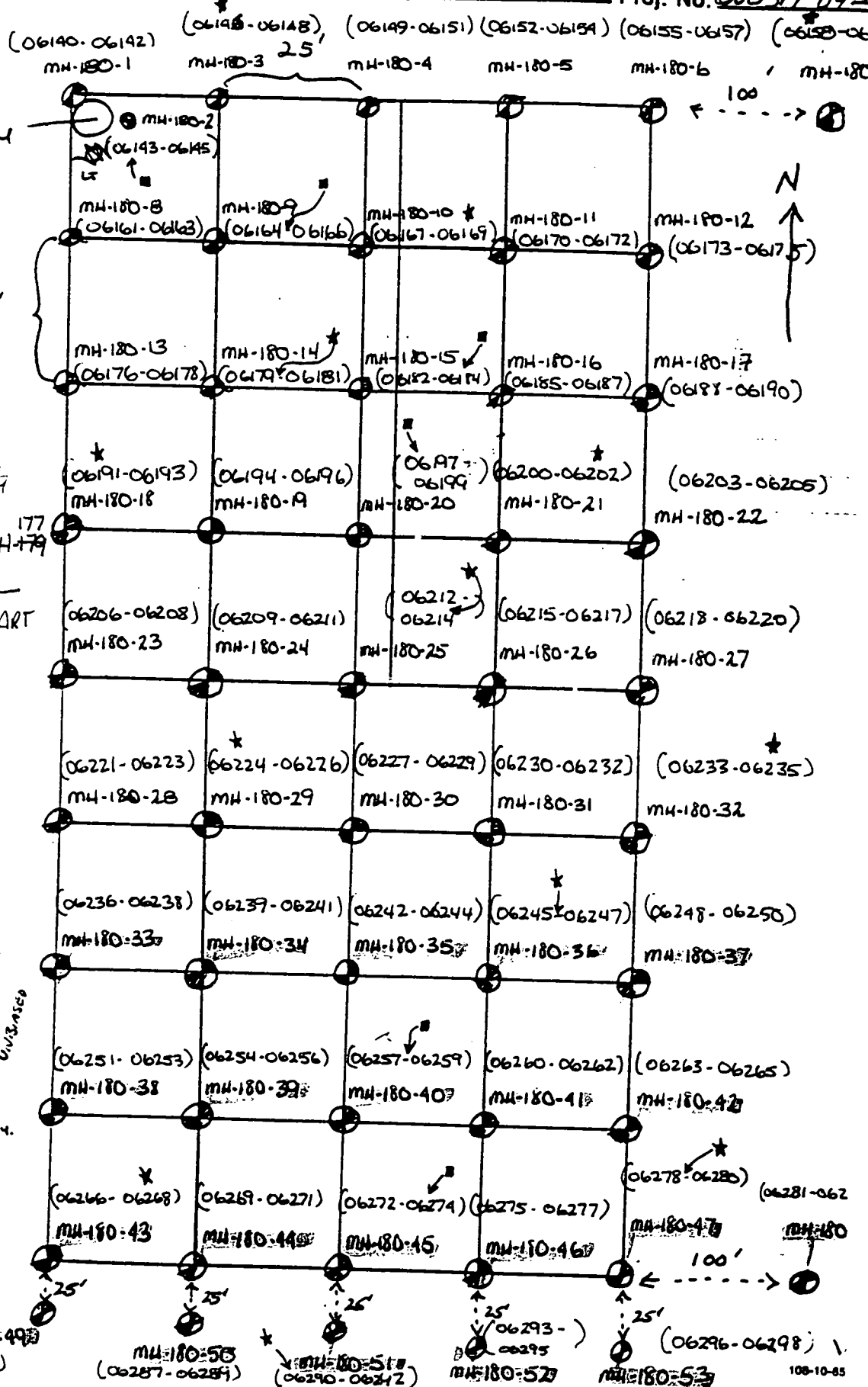
INTERNATION TECHNOLOGY CORPORATION

[redacted]

G-000-2063

By LJT Date 5-7-89 Subject Manhole 180 Sample Location Sheet No. 1 of 1

Chkd. By ____ Date ____ Proj. No. 303317 09-



COMPLETION DATES

MH-180-1 THRU 180-5 (05/11/89)
MH-180-6 THRU 16 (05/12/89)
MH-180-17 THRU 32 (05/15/89)

COMPLETED 5/16/89 25'

NOTE:

5/17/89 - START SAMPLING AT MH-181, AS TIME ALLOWS, MH-177

5/18/89 - FINISH MH-177, START MH-178.

● - SAMPLE LOCATION

53 TOTAL

159 SAMPLES

★ 13 IT/WMCO SPIT

■ 6 WMCO

19 Iso U, Iso Th, Tc.94.

140 - TOT. U, TOT. TH.

UNBIASED

108-10-85

REQUEST FOR SPECIAL PROJECT SOIL SAMPLE ANALYSES - ANALYTICAL LABORATORIES

(7) Project No.: SOIL
(8) SubProject No.: 0012
(12) Cust. Dept. Number: 0001
(9) Customer Name: RI/FS

(15) Date/Time Rcvd. 5/17/89 @ 1025 (In Lab.)

(4) Chain of Custody: Y
(5) Priority: 1 (1,2,3)
(6) Deadline Date:
(10) Charge (Account #):
(16) Sample Matrix: SOIL
(18) Sampled By: ASI/IT
(23) Est. Disposal Date:

(Sample Receiving Lab - Add to Comments:)
1. Send copy of results to R. Conner.
2. Send excess sample to ASI.
3. Expedite U and Th results.

(11) Cust. Sample No.	(13) Sampled From: Depth	(17) Date/Time Sampled	(19) Material Description "Outfall Pipe Line Spill" LOCATION ~~Coordinates~~	(14) Customer Request Number (R/A Control No.)	COMMENTS	(1) Computer Lab. No. Assigned (For SRL Use Only)
06293	0-6in.	5/16/89@ 1545	IN- MH-180-52 E-	40775		
06294	6-12 in.	5/16/89 @ 1550	IN- MH-180-52 E-	40775		
06295	12-18in.	5/16/89@ 1550	IN- MH-180-52 E-	40775		
06296	0-6in	5/16/89@ 1545	IN- MH-180-53 E-	40775		
06297	6-12 in.	5/16/89@ 1555	IN- MH-180-53 E-	40775		
06298	12-18in	5/16/89@ 1600	IN- MH-180-53 E-	40775		
			IN- E-			
			IN- E-			
			IN- E-			
			IN- E-			

(X) Analyses Requested:

A. ____ All SPECIAL PROJECT Analyses (# 1, 2, 3, 4, 5)
1. X Total U, XRF method (ppm)
2. X Total Th, XRF method (ppm)
3. ____ U-234, U-235, U-236, U-238 (pCi/g)
4. ____ Th-228, Th-230, Th-232 (pCi/g)
5. ____ Tc-99 (pCi/g)

(X) Other Analyses Requested:

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DEW

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125

REQUEST FOR SPECIAL PROJECT SOIL SAMPLE ANALYSES - ANALYTICAL LABORATORIES

(7) Project No.: SOIL
(8) SubProject No.: 0012
(12) Cust. Dept. Number: 0001
(9) Customer Name: RI/FS
(15) Date/Time Rcvd. 5/17/89 @ 1025 (In Lab.)

(4) Chain of Custody: Y
(5) Priority: 1 (1,2,3)
(6) Deadline Date:
(10) Charge (Account #):
(16) Sample Matrix: SOIL
(18) Sampled By: ASI/IT
(23) Est. Disposal Date:

(Sample Receiving Lab - Add to Comments:)
1. Send copy of results to R. Conner.
2. Send excess sample to ASI.
3. Expedite U and Th results.

(11) Cust. Sample No.	(13) Sampled From: Depth	(17) Date/Time Sampled	(19) Material Description "Outfall Pipe Line Spill" LOCATION ~~Coordinates~~	(14) Customer Request Number (R/A Control No.)	COMMENTS	(1) Computer Lab. No. Assigned (For SRL Use Only)
06246	6-12in.	5/16/89 @ 0940	~~IN~~ MH-180-36 ~~E~~	40776	SAMPLES LISTED VIA THIS RFA ARE TO BE SPLIT EQUALLY BY WMCO FOR ANALYSIS BY WMCO LAB & IT LAB	
06268	12-18in.	5/16/89 @ 1145	~~IN~~ MH-180-43 ~~E~~	40776		
06278	0-6in.	5/16/89 @ 1435	~~IN~~ MH-180-47 ~~E~~	40776		
06290	0-6in.	5/16/89 @ 1525	~~IN~~ MH-180-51 ~~E~~	40776		
			IN- E-		CONTACT:	
			IN- E-		WALTER WEICK	
			IN- E-		738-3100 OR	
			IN- E-		535-3206	
			IN- E-		WHEN SAMPLES BECOME AVAILABLE.	
			IN- E-			

(X) Analyses Requested:

A. X All SPECIAL PROJECT Analyses (# 1, 2, 3, 4, 5)
1. ____ Total U, XRF method (ppm)
2. ____ Total Th, XRF method (ppm)
3. ____ U-234, U-235, U-236, U-238 (pCi/g)
4. ____ Th-228, Th-230, Th-232 (pCi/g)
5. ____ Tc-99 (pCi/g)

(X) Other Analyses Requested:

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DEOS.

3

135

REQUEST FOR SPECIAL PROJECT SOIL SAMPLE ANALYSES - ANALYTICAL LABORATORIES

(7) Project No.: SOIL
(8) SubProject No.: 0012
(12) Cust. Dept. Number: 0001
(9) Customer Name: RI/FS
(15) Date/Time Rcvd. 5/17/89 @ 1025 (In Lab.)

(4) Chain of Custody: Y
(5) Priority: 1 (1,2,3)
(6) Deadline Date:
(10) Charge (Account #):
(16) Sample Matrix: SOIL
(18) Sampled By: ASI/IT
(23) Est. Disposal Date:

(Sample Receiving Lab - Add to Comments:)
1. Send copy of results to R. Conner.
2. Send excess sample to ASI.
3. Expedite U and Th results.

(11) Cust. Sample No.	(13) Sampled From: Depth	(17) Date/Time Sampled	(19) Material Description "Outfall Pipe Line Spill" LOCATION ~~Coordinates~~	(14) Customer Request Number (R/A Control No.)	COMMENTS	(1) Computer Lab. No. Assigned (For SRL Use Only)
06258	6-12 in.	5/16/89 @ 1100	IN- MH-180-40 E-	40777		
06274	12-18 in.	5/16/89 @ 1420	IN- MH-180-45 E-	40777		
			IN- E-			
			IN- E-			
			IN- E-			
			IN- E-			
			IN- E-			
			IN- E-			
			IN- E-			
			IN- E-			

(X) Analyses Requested:

A. X All SPECIAL PROJECT Analyses (# 1, 2, 3, 4, 5)
1. ____ Total U, XRF method (ppm)
2. ____ Total Th, XRF method (ppm)
3. ____ U-234, U-235, U-236, U-238 (pCi/g)
4. ____ Th-228, Th-230, Th-232 (pCi/g)
5. ____ Tc-99 (pCi/g)

(X) Other Analyses Requested:

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REQUEST FOR SPECIAL PROJECT SOIL SAMPLE ANALYSES - ANALYTICAL LABORATORIES

(7) Project No.: SOIL
(8) SubProject No.: 0012
(12) Cust. Dept. Number: 0001
(9) Customer Name: RI/FS
(15) Date/Time Rcvd. 5/17/89 @ 1025 (In Lab.)

(4) Chain of Custody: Y
(5) Priority: 1 (1,2,3)
(6) Deadline Date:
(10) Charge (Account #):
(16) Sample Matrix: SOIL
(18) Sampled By: ASI/IT
(23) Est. Disposal Date:

(Sample Receiving Lab - Add to Comments:)
1. Send copy of results to R. Conner.
2. Send excess sample to ASI.
3. Expedite U and Th results.

(11) Cust. Sample No.	(13) Sampled From: Depth	(17) Date/Time Sampled	(19) Material Description "Outfall Pipe Line Spill" LOCATION ~~Coordinates~~	(14) Customer Request Number (R/A Control No.)	COMMENTS	(1) Computer Lab. No. Assigned (For SRL Use Only)
06236	0-6in	5/16/89 @ 0905	MH-180-33	40770		
06237	6-12in	5/16/89 @ 0910	MH-180-33	40770		
06238	12-18in	5/16/89 @ 0915	MH-180-33	40770		
06239	0-6in	5/16/89 @ 0910	MH-180-34	40770		
06240	6-12in.	5/16/89 @ 0915	MH-180-34	40770		
06241	12-18in.	5/16/89 @ 0920	MH-180-34	40770		
06242	0-6in	5/16/89 @ 0940	MH-180-35	40770		
06243	6-12in	5/16/89 @ 0945	MH-180-35	40770		
06244	12-18in.	5/16/89 @ 0950	MH-180-35	40770		
06245	0-6in.	5/16/89 @ 0955	MH-180-36	40770		

(X) Analyses Requested:

A. ____ All SPECIAL PROJECT Analyses (# 1, 2, 3, 4, 5)
1. X Total U, XRF method (ppm)
2. X Total Th, XRF method (ppm)
3. ____ U-234, U-235, U-236, U-238 (pCi/g)
4. ____ Th-228, Th-230, Th-232 (pCi/g)
5. ____ Tc-99 (pCi/g)

(X) Other Analyses Requested:

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REQUEST FOR SPECIAL PROJECT SOIL SAMPLE ANALYSES - ANALYTICAL LABORATORIES

(7) Project No.: SOIL
(8) SubProject No.: 0012
(12) Cust. Dept. Number: 0001
(9) Customer Name: RI/FS
(15) Date/Time Rcvd. 5/17/89 @ 1025 (In Lab.)

(4) Chain of Custody: Y
(5) Priority: 1 (1,2,3)
(6) Deadline Date:
(10) Charge (Account #):
(16) Sample Matrix: SOIL
(18) Sampled By: ASI/IT
(23) Est. Disposal Date:

(Sample Receiving Lab - Add to Comments:)
1. Send copy of results to R. Conner.
2. Send excess sample to ASI.
3. Expedite U and Th results.

(11) Cust. Sample No.	(13) Sampled From: Depth	(17) Date/Time Sampled	(19) Material Description "Outfall Pipe Line Spill" LOCATION ~~Coordinates~~	(14) Customer Request Number (R/A Control No.)	COMMENTS	(1) Computer Lab. No. Assigned (For SRL Use Only)
06247	12-18in.	5/16/89@0955	~~IN~~ MH-180-36 ~~E~~	40771		
06248	0-6in	5/16/89@1000	~~IN~~ MH-180-37 ~~E~~	40771		
06249	6-12in	5/16/89@1015	~~IN~~ MH-180-37 ~~E~~	40771		
06250	12-18in	5/16/89@1020	~~IN~~ MH-180-37 ~~E~~	40771		
06251	0-6in.	5/16/89@1005	~~IN~~ MH-180-38 ~~E~~	40771		
06252	6-12in.	5/16/89@1010	~~IN~~ MH-180-38 ~~E~~	40771		
06253	12-18in.	5/16/89@1015	~~IN~~ MH-180-38 ~~E~~	40771		
06254	0-6in.	5/16/89@1050	~~IN~~ MH-180-39 ~~E~~	40771		
06255	6-12in.	5/16/89@1055	~~IN~~ MH-180-39 ~~E~~	40771		
06256	12-18in.	5/16/89@1105	~~IN~~ MH-180-39 ~~E~~	40771		

(X) Analyses Requested:

A. ____ All SPECIAL PROJECT Analyses (# 1, 2, 3, 4, 5)
1. X Total U, XRF method (ppm)
2. X Total Th, XRF method (ppm)
3. ____ U-234, U-235, U-236, U-238 (pCi/g)
4. ____ Th-228, Th-230, Th-232 (pCi/g)
5. ____ Tc-99 (pCi/g)

(X) Other Analyses Requested:

DRDR.

125

6

REQUEST FOR SPECIAL PROJECT SOIL SAMPLE ANALYSES - ANALYTICAL LABORATORIES

(7) Project No.: SOIL
(8) SubProject No.: 0012
(12) Cust. Dept. Number: 0001
(9) Customer Name: RI/FS

(15) Date/Time Rcvd. 5/17/89 @ 1025 (In Lab.)

(4) Chain of Custody: Y
(5) Priority: 1 (1,2,3)
(6) Deadline Date:
(10) Charge (Account #):
(16) Sample Matrix: SOIL
(18) Sampled By: ASI/IT
(23) Est. Disposal Date:

(Sample Receiving Lab - Add to Comments:)
1. Send copy of results to R. Conner.
2. Send excess sample to ASI.
3. Expedite U and Th results.

(11) Cust. Sample No.	(13) Sampled From: Depth	(17) Date/Time Sampled	(19) Material Description "Outfall Pipe Line Spill" LOCATION ~~Coordinates~~	(14) Customer Request Number (R/A Control No.)	COMMENTS	(1) Computer Lab. No. Assigned (For SRL Use Only)
06257	0-6in	5/16/89 @ 1055	MH-180-40	40772		
06259	12-18in	5/16/89 @ 1105	MH-180-40	40772		
06260	0-6in	5/16/89 @ 1112	MH-180-41	40772		
06261	6-12in	5/16/89 @ 1115	MH-180-41	40772		
06262	12-18in	5/16/89 @ 1120	MH-180-41	40772		
06263	0-6in	5/16/89 @ 1130	MH-180-42	40772		
06264	6-12in	5/16/89 @ 1135	MH-180-42	40772		
06265	12-18in.	5/16/89 @ 1140	MH-180-42	40772		
06266	0-6in	5/16/89 @ 1130	MH-180-43	40772		
06267	6-12in.	5/16/89 @ 1135	MH-180-43	40772		

(X) Analyses Requested:

A. ____ All SPECIAL PROJECT Analyses (# 1, 2, 3, 4, 5)
1. X Total U, XRF method (ppm)
2. X Total Th, XRF method (ppm)
3. ____ U-234, U-235, U-236, U-238 (pCi/g)
4. ____ Th-228, Th-230, Th-232 (pCi/g)
5. ____ Tc-99 (pCi/g)

(X) Other Analyses Requested:

OKEY

REQUEST FOR SPECIAL PROJECT SOIL SAMPLE ANALYSES - ANALYTICAL LABORATORIES

(7) Project No.: SOIL
(8) SubProject No.: 0012
(12) Cust. Dept. Number: 0001
(9) Customer Name: RI/FS
(15) Date/Time Rcvd 5/17/89 @ 1025 (In Lab.)

(4) Chain of Custody: Y
(5) Priority: 1 (1,2,3)
(6) Deadline Date:
(10) Charge (Account #):
(16) Sample Matrix: SOIL
(18) Sampled By: ASI/IT
(23) Est. Disposal Date:

(Sample Receiving Lab - Add to Comments:)
1. Send copy of results to R. Conner.
2. Send excess sample to ASI.
3. Expedite U and Th results.

(11) Cust. Sample No.	(13) Sampled From: Depth	(17) Date/Time Sampled	(19) Material Description "Outfall Pipe Line Spill" LOCATION ~~Coordinates~~	(14) Customer Request Number (R/A Control No.)	COMMENTS	(1) Computer Lab. No. Assigned (For SRL Use Only)
06269	0-6in.	5/16/89 @ 1405	~~IN~~ MH-180-44 ~~E~~	40773		
06270	6-12in.	5/16/89 @ 1416	~~IN~~ MH-180-44 ~~E~~	40773		
06271	12-18in.	5/16/89 @ 1415	~~IN~~ MH-180-44 ~~E~~	40773		
06273	6-12in	5/16/89 @ 1415	~~IN~~ MH-180-45 ~~E~~	40773		
06275	0-6in.	5/16/89 @ 1430	~~IN~~ MH-180-46 ~~E~~	40773		
06276	6-12in.	5/16/89 @ 1435	~~IN~~ MH-180-46 ~~E~~	40773		
06277	12-18in.	5/16/89 @ 1440	~~IN~~ MH-180-46 ~~E~~	40773		
06279	6-12in	5/16/89 @ 1438	~~IN~~ MH-180-47 ~~E~~	40773		
06280	12-18in.	5/16/89 @ 1445	~~IN~~ MH-180-47 ~~E~~	40773		
06281	0-6in.	5/16/89 @ 1500	~~IN~~ MH-180-48 ~~E~~	40773		

(X) Analyses Requested:

A. ____ All SPECIAL PROJECT Analyses (# 1, 2, 3, 4, 5)
1. X Total U, XRF method (ppm)
2. X Total Th, XRF method (ppm)
3. ____ U-234, U-235, U-236, U-238 (pCi/g)
4. ____ Th-228, Th-230, Th-232 (pCi/g)
5. ____ Tc-99 (pCi/g)

(X) Other Analyses Requested:

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REQUEST FOR SPECIAL PROJECT SOIL SAMPLE ANALYSES - ANALYTICAL LABORATORIES

(7) Project No.: SOIL
(8) SubProject No.: 0012
(12) Cust. Dept. Number: 0001
(9) Customer Name: RI/FS

(15) Date/Time Rcvd. 5/17/89 @ 1025 (In Lab.)

(4) Chain of Custody: Y
(5) Priority: 1 (1,2,3)
(6) Deadline Date:
(10) Charge (Account #):
(16) Sample Matrix: SOIL
(18) Sampled By: ASI/IT
(23) Est. Disposal Date:

(Sample Receiving Lab - Add to Comments:)
1. Send copy of results to R. Conner.
2. Send excess sample to ASI.
3. Expedite U and Th results.

(11) Cust. Sample No.	(13) Sampled From: Depth	(17) Date/Time Sampled	(19) Material Description "Outfall Pipe Line Spill" LOCATION ~~Coordinates~~	(14) Customer Request Number (R/A Control No.)	COMMENTS	(1) Computer Lab. No. Assigned (For SRL Use Only)
06282	6-12 in.	5/16/89 @ 1505	~~UK~~ MH-180-48 ~~E~~	40774		
06283	12-18 in.	5/16/89 @ 1515	~~UK~~ MH-180-48 ~~E~~	40774		
06284	0-6 in.	5/16/89 @ 1450	~~UK~~ MH-180-49 ~~E~~	40774		
06285	6-12 in.	5/16/89 @ 1455	~~UK~~ MH-180-49 ~~E~~	40774		
06286	12-18 in.	5/16/89 @ 1458	~~UK~~ MH-180-49 ~~E~~	40774		
06287	0-6 in.	5/16/89 @ 1515	~~UK~~ MH-180-50 ~~E~~	40774		
06288	6-12 in	5/16/89 @ 1520	~~UK~~ MH-180-50 ~~E~~	40774		
06289	12-18 in.	5/16/89 @ 1525	~~UK~~ MH-180-50 ~~E~~	40774		
06291	6-12 in	5/16/89 @ 1525	~~UK~~ MH-180-51 ~~E~~	40774		
06292	12-18 in.	5/16/89 @ 1530	~~UK~~ MH-180-51 ~~E~~	40774		

(X) Analyses Requested:

A. ____ All SPECIAL PROJECT Analyses (# 1, 2, 3, 4, 5)
1. X Total U, XRF method (ppm)
2. X Total Th, XRF method (ppm)
3. ____ U-234, U-235, U-236, U-238 (pCi/g)
4. ____ Th-228, Th-230, Th-232 (pCi/g)
5. ____ Tc-99 (pCi/g)

(X) Other Analyses Requested:

DEOT

125