

CORRESPONDENCE CONTROL
OUTGOING LETTER NO

42200

EG&G ROCKY FLATS

ORDER# 4700.1

EG&G ROCKY FLATS, INC
ROCKY FLATS PLANT P O BOX 464 GOLDEN COLORADO 80402 0464 • (303) 966 7000

14 RF 057431

ST 17130

May 19, 1994



94-RF-057431

Jessie M Roberson
Acting Assistant Manager
Environmental Restoration
DOE, RFFO



000035105

PROJECT STATUS ON SITEWIDE TREATABILITY STUDIES - SGS-317-94

Ref M N Silverman letter (04227) letter to H P Mann, Project Status on Sitewide Treatability Studies, dated May 12, 1994

Attached for your information is the current status on the nine treatability studies requested to be completed by November 12, 1994. As agreed with the Department of Energy/Rocky Flats Field Office (DOE/RFFO), Environmental Protection Agency (EPA), and Colorado Department of Health (CDH), the definition of completed is completion of bench scale testing and review of test results with the Agencies

Work on all treatability studies has commenced. EG&G anticipates completing all bench scale testing and conducting meetings with DOE and the Agencies to review specific treatability study results before the November 12, 1994 date. The status for each treatability study is reviewed below and schedules are attached to backup the status. Also, attached is a copy of the weekly treatability studies highlights report that is sent to DOE statusing programs. The only schedule date that may pose a problem is the magnetic separation study being conducted by Los Alamos National Laboratory (LANL). This work is being conducted in building TA 55. This building was shut down the week of April 16, 1994 based on audit results. No firm date has been proposed for resuming operations in this building. This information has been communicated to DOE/RFFO with a request to find out when operations may be resumed.

PROJECT STATUS

APAL VE	
DEJETT RL	
LAMIN A	
ERIAN FS	
ANCH DB	
FINI AL SU	
BB BS	
NS JG	
PERA DW	
NNI SJ	
MAN LK	
AL TJ	
DAHL T	
BIG JG	
JCHINS NM	X
BY WA	
JESTER AW	
HAFFEY JW	
ANN HP	X
ARX GE	
DONALD MM	
KEVNA FG	
ONTROSE JK	
ORGAN RV	
OTTER GL	
ZZUTO VM	
SING TL	
ANDLIN NB	
LOCK GH	
EWART DL	
LIVAN MT	
VA EP	
ILL IRB	X
ILL S (ORC)	
ILSON JM	
YANT RD	
Anderson, G.M	X
Neckes JK	X
Felch D.	X
Figg S 4/6	X
attach	

CORRESPONDENCE CONTROL	X	X
IN RECORD/080	X	
ST/130G		
FFIC		

CLASSIFICATION	
UNCLASSIFIED	
CONFIDENTIAL	
SECRET	

AUTHORIZED CLASSIFIER SIGNATURE

DOCUMENT CLASSIFICATION REVIEW WAIVER PER DECLASSIFICATION OFFICE

REPLY TO RFP CC NO

PROJECT ITEM STATUS
P OPEN
C CLOSED
R APPROVALS

SIG & TYPIST INITIALS
JMP

- 1 Magnetic Separation - The first of three test series has been completed and a progress report will be issued to RFFO by June 1, 1994. This treatability study is being performed at LANL. However, operations in Technical Area - 55, where the treatability study is being conducted, were suspended on Friday April 15, 1994. Coyne Prenger of LANL advised Michael Harris, technical support staff to RFFO, of the problem on Monday April 18, 1994. RFFO and EG&G personnel subsequently advised EPA and CDH of the potential delay in a quarterly status meeting held May 5, 1994 at Interlocken. An accurate estimate is available at this time as to when LANL's TA - 55 facility may be re-opened. It is impossible to anticipate the extent of negative schedule impact given the unknown length of the delay. The attached schedule reflects deliverables before cessation of operations in TA - 55.
- 2 Chemically Enhanced Steam Stripping - The workplan has been completed and transmitted by RFF to the Agencies for review. The treatability study will be conducted at LANL. A Sole Source procurement package has been submitted to RFFO procurement for negotiation of the Integrated Contract Order (ICO). Issuance of the ICO is expected by July 7, 1994. Results of the Phase 1 test will be discussed by November 8, 1994. Phase 2 will depend on the results of Phase 1.
- 3 Solvent Extraction - The technical evaluation of the proposal submitted by Resources Conservation Co. has been completed and a contract is scheduled to be awarded the week of May 16, 1994.

ADMIN RECORD

1/24

Phase 1 testing is scheduled to be completed by September, 1, 1994 and test results reviewed by October 13, 1994. The decision to proceed with confirmatory testing for Phase 2 will depend on the results of Phase 1.

- 4 Physical Separation - Testing of a physical separation/gravimetric process was completed in 1993 by AWC - Lockheed® during the demonstration of the TRU-Clean® process. CDH requested RFFO to resample residues from the TRU-Clean® process to demonstrate the behavior and recovery partitioning of metals during the process. Resampling is scheduled for June 2, 1994 and a draft report is scheduled to be issued by July 13, 1994.
- 5 Bioremediation of Chlorinated Solvents - The workplan has been completed and comments received from the Agencies. The bench scale testing is being conducted by Environmental Technologies in Building 881. Phase 1 Abiotic studies and Phase 2 Biotic studies are scheduled for completion by October 3, 1994 and results reviewed in late October, 1994.
- 6 Transuranic Clear (TRU/Clear) - The workplan has been completed and comments received from the Agencies. The technical evaluation of the proposal has been completed and the procurement package forwarded to RFFO Procurement for review and approval the week of May 9, 1994. RFFO has been requested to expedite this procurement. Bench scale testing will be conducted in Building 881. Bench scale testing is scheduled for completion by August 23, 1994 and results reviewed in October, 1994.
- 7 Ion Exchange - The workplan has been completed and comments received from the Agencies. Bench scale testing will be conducted in Building 881. Bench scale testing is scheduled to be completed by mid June, 1994. Analytical data is expected by late August and results reviewed in September, 1994.
- 8 Adsorption - Bench scale testing has been completed in Building 881. Analytical data is expected by late June and results reviewed in July, 1994.
- 9 Solidification/Stabilization Workplan - The workplan will propose treating sludges from sediments in Operable Unit (OU)5 ponds and parallel the workplan being prepared by OU 4 personnel for solidification/stabilization of pond sludges, saltcrete and pondcrete. The workplan will be submitted for review in October, 1994.

Please contact Olga Erlich on extension 6957 or John Hopkins on extension 8636 if you have any questions on the status of the sitewide treatability study program.



S G Stiger
Associate General Manager
Environmental Restoration Management
EG&G Rocky Flats, Inc

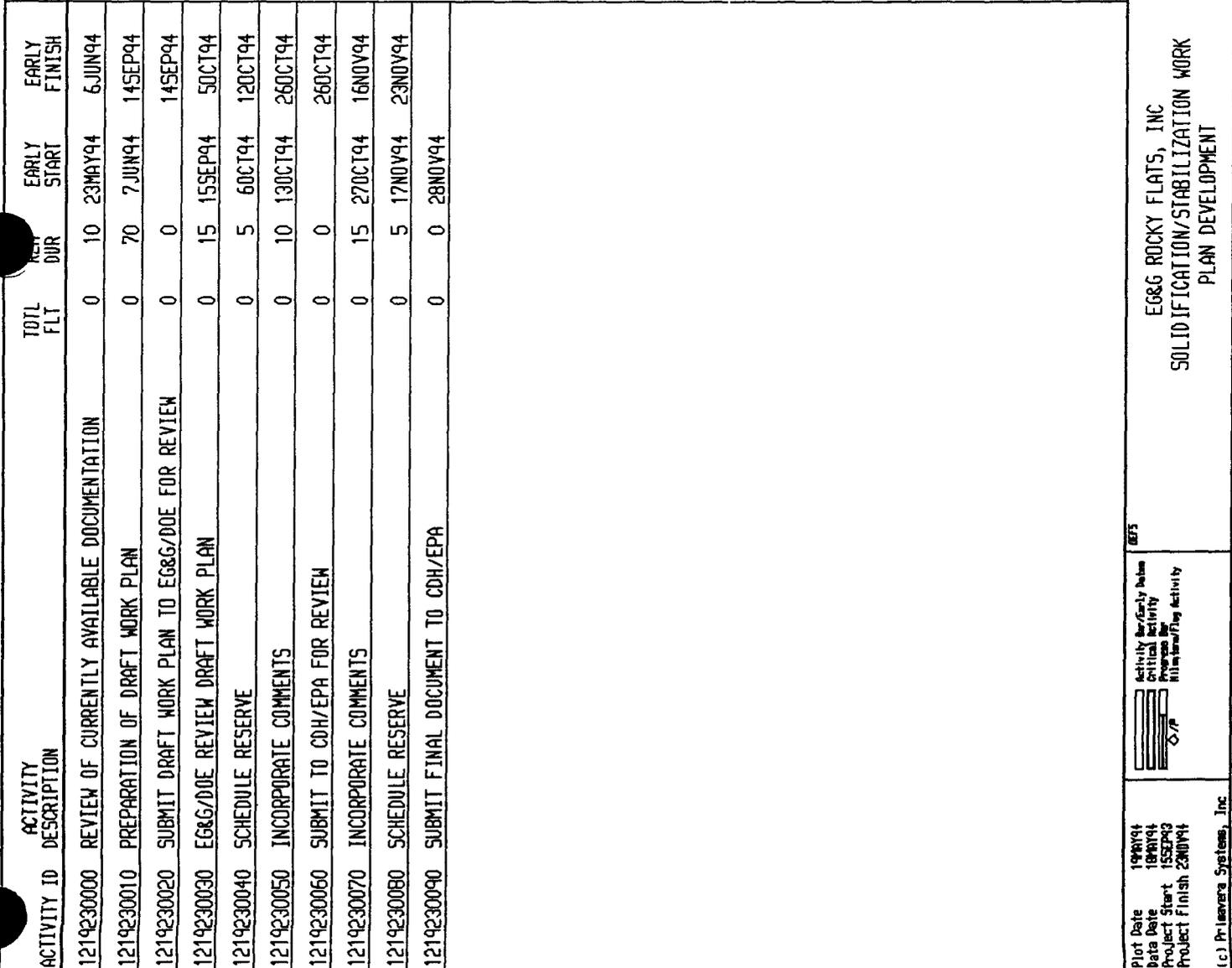
JKH mp

Attachments
As Stated (2)

Orig and 1 cc - J M Roberson

cc
M H McBride - DOE, RFFO
M N Silverman - " "
L W Smith - " "

ACTIVITY ID	ACTIVITY DESCRIPTION	TOTL FLT	NET DUR	EARLY START	EARLY FINISH
1219230000	REVIEW OF CURRENTLY AVAILABLE DOCUMENTATION	0	10	23MAY94	6JUN94
1219230010	PREPARATION OF DRAFT WORK PLAN	0	70	7JUN94	14SEP94
1219230020	SUBMIT DRAFT WORK PLAN TO EG&G/DOE FOR REVIEW	0	0		14SEP94
1219230030	EG&G/DOE REVIEW DRAFT WORK PLAN	0	15	15SEP94	5OCT94
1219230040	SCHEDULE RESERVE	0	5	6OCT94	12OCT94
1219230050	INCORPORATE COMMENTS	0	10	13OCT94	26OCT94
1219230060	SUBMIT TO CDH/EPA FOR REVIEW	0	0		26OCT94
1219230070	INCORPORATE COMMENTS	0	15	27OCT94	16NOV94
1219230080	SCHEDULE RESERVE	0	5	17NOV94	23NOV94
1219230090	SUBMIT FINAL DOCUMENT TO CDH/EPA	0	0	28NOV94	



Plot Date	1994/94
Data Date	18/09/94
Project Start	15SEP93
Project Finish	23NOV94

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EG&G ROCKY FLATS, INC
SOLIDIFICATION/STABILIZATION WORK
PLAN DEVELOPMENT

Date	Revision	Checked	Approved

ACTIVITY ID	ACTIVITY DESCRIPTION	REM DUR	EARLY START	EARLY FINISH
1219208000	MAGNETIC SEPARATION	70	10CT93A	15AUG94
1219208005	PREPARE SOIL/SOIL SOURCE	0	10CT93A	15OCT93A
1219208010	SOIL COMPLETED	0		15OCT93A
1219208015	DOE REVIEW & APPROVAL OF LANL PROPOSAL	0	23NOV93A	3DEC93A
1219208020	CONTRACT AWARD	0	6DEC93A	10DEC93A
1219208025	PRE TEST MEETING @ LANL	0	14DEC93A	
1219208030	DELAY DUE TO NEPA EVALUATION	0	3JAN94A	11FEB94A
1219208035	RFO PROCUREMENT DELAY	0	21JAN94A	25FEB94A
1219208040	TEST VARIABLES: pH, SURFACTANTS, FLOW VELOCITY	0	1MAR94A	7MAR94A
1219208050	EVALUATE HIGMS MATRIX CONFIGURATION	10	6MAY94	19MAY94
1219208055	TREAT SOIL AND FLUID WASTE	10	20MAY94	3JUN94
1219208060	ANALYZE RESULTS	15	20MAY94	10JUN94
1219208070	REVIEW MEETING AT LANL FOR INITIAL TESTS	0		13JUN94
1219208080	MODIFY HIGMS CONFIGURATION	10	13JUN94	24JUN94
1219208085	TEST UNDER OPTIMIZED CONDITIONS	5	27JUN94	1JUL94
1219208090	ANALYZE RESULTS	15	5JUL94	25JUL94
1219208100	REVIEW MEETING AT LANL FOR PHASE II	0		27JUL94
1219208110	TREAT SOIL AND FLUID WASTE	10	5JUL94	18JUL94
1219208120	PREPARE SEPARATION RESULTS	15	26JUL94	15AUG94

Activity Classification: SUMMARY
 MMS MIMROCK ACTIVITY

Target Date: 10MAR94
 Plot Date: 04MAY94
 Data Date: 04MAY94
 Project Start: 10CT93
 Project Finish: 15MAY94

Legend:
 ▬ Activity Bar/Early Date
 ▬ Critical Activity
 ▬ Progress Bar
 ▬ Target Date
 ▬ Milestone/Flag Activity

Legend:
 ◊ / /

Activity Classification: SUMMARY
 MMS MIMROCK ACTIVITY

Target Date: 10MAR94
 Plot Date: 04MAY94
 Data Date: 04MAY94
 Project Start: 10CT93
 Project Finish: 15MAY94

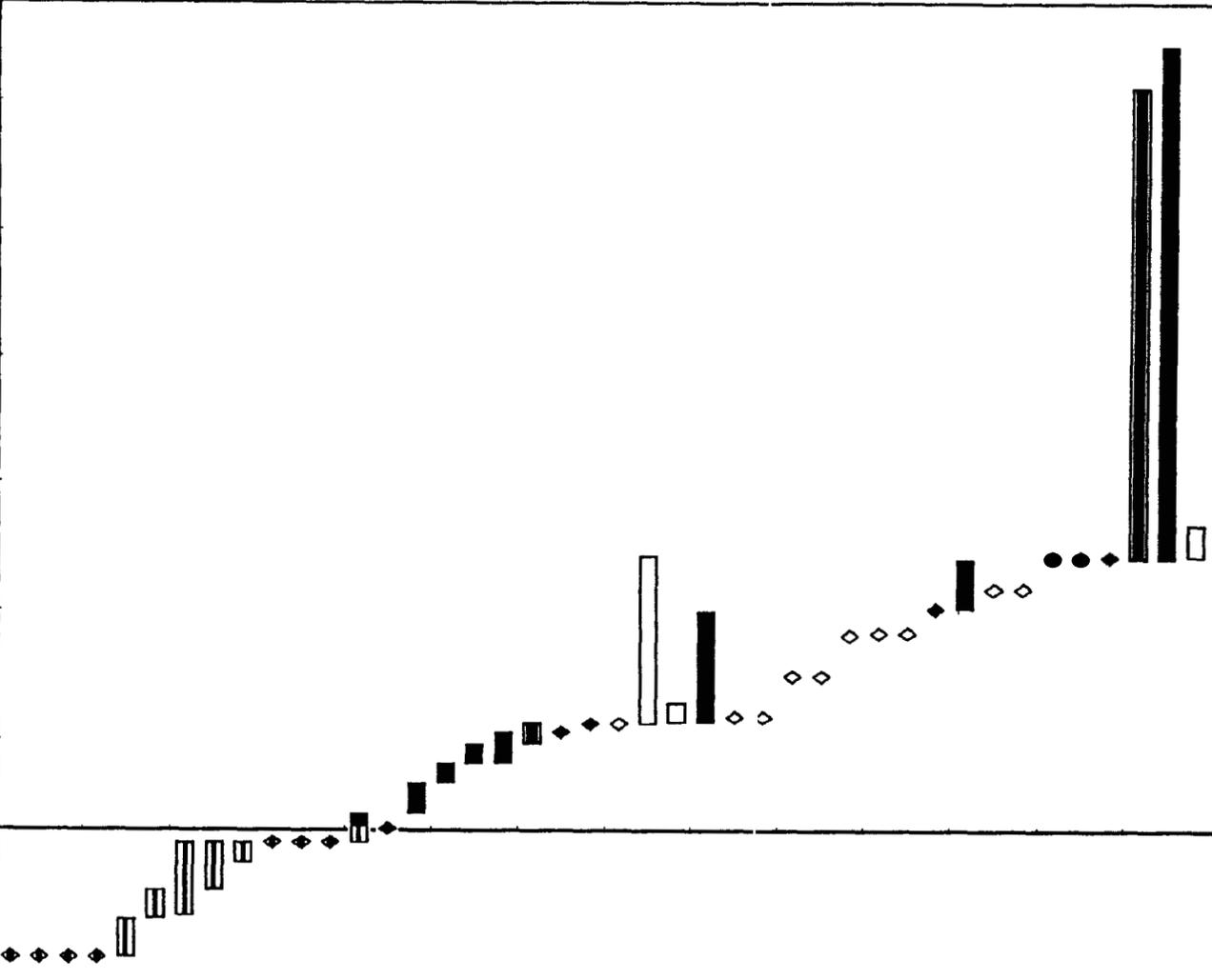
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EG&G ROCKY FLATS
 MAGNETIC SEPARATION
 TREATABILITY STUDY AT LANL

Sheet 1 of 3

DATE: MAR 10, 1994 - REVISION #8
 REVISION: _____
 CHECKED: _____
 APPROVED: _____

ACTIVITY ID	ACTIVITY DESCRIPTION	REM DUR	EARLY START	EARLY FINISH
CESS001000	START CESS PROJECT	0	26.FEB.94	
CESS001010	START PROCUREMENT ACTIONS	0	26.FEB.94	
CESS001020	START WORK PLAN REWRITE	0	26.FEB.94	
CESS001030	START PROJECT MGT ACTIVITIES	0	26.FEB.94	
CESS001050	REVISE CESS WP CONCEPT	0	26.FEB.94	22.FEB.94
CESS001090	REVISE CESS WORK PLAN	0	2.FEB.94	15.MAR.94
CESS001040	DEVELOP CESS SW	0	2.FEB.94	18.APR.94
CESS001100	CONDUCT WP REVIEW & REVISION	0	10.MAR.94	18.APR.94
CESS001060	PREPARE SUPPORTING DOCUMENTS	0	5.APR.94	18.APR.94
CESS001110	START PROJECT CESS SERVICES	0		18.APR.94
CESS001120	FINAL WORK PLAN COMPLETED	0		18.APR.94
CESS001130	COMPLETE CESS SW	0		18.APR.94
CESS001140	PREPARE CESS REP	7	19.APR.94	5.MAY.94
CESS001125	SUBMIT FINAL WORK PLAN TO DOE/RFO	0		28.APR.94
CESS001150	PREPARE INTEGRATED CONTRACTOR PROPOSAL	15	10.MAY.94	31.MAY.94
CESS001160	COMPLETE CESS TECH EVAL	10	1.JUN.94	14.JUN.94
CESS001070	REVISE SAMPLING PROCED/GET PERMITS	10	15.JUN.94	28.JUN.94
CESS001155	SCHEDULE RESERVE	15	15.JUN.94	6.JUL.94
CESS001080	COLLECT & SHIP SOIL SAMPLES	10	24.JUN.94	13.JUL.94
CESS001170	CESS SUBCONTRACT AWARDED	0	7.JUL.94	
CESS001190	FY94 FUNDING AUTHORIZED	0	13.JUL.94	
CESS001195	START PHASE I TESTING	0	13.JUL.94	
CESS001180	OVERSEE PHASE I TESTING PROJECT	85	13.JUL.94	9.MOY.94
CESS001200	SUPP FY95 PROJ FUND & PRICING	10	14.JUL.94	27.JUL.94
CESS001210	CONDUCT FY94 WP TESTING	56	14.JUL.94	30.SEP.94
CESS001211	COMPLETE JUNE MONTHLY STATUS REPORT	0	18.JUL.94	
CESS001212	SUBMIT JUNE MONTHLY STATUS REPORT TO DOE/RFO	0	18.JUL.94	
CESS001214	COMPLETE JULY MONTHLY STATUS REPORT	0	16.AUG.94	
CESS001215	SUBMIT JULY MONTHLY STATUS REPORT TO DOE/RFO	0	16.AUG.94	
CESS001230	FY95 SUBCONTRACT AUTHORIZED	0	14.SEP.94	
CESS001216	COMPLETE AUGUST MONTHLY STATUS REPORT	0	16.SEP.94	
CESS001217	SUBMIT AUGUST MONTHLY STATUS REPORT TO DOE/RFO	0	16.SEP.94	
CESS001220	CONTINUE FY95 PHASE I ACTIVITIES	0	30CT94	
CESS001250	CONT FY95 PHASE I TESTING	26	30CT94	7.MOY.94
CESS001218	COMPLETE SEPTEMBER MONTHLY STATUS REPORT	0	17.OCT.94	
CESS001219	SUBMIT SEPT MONTHLY STATUS REPORT TO DOE/RFO	0	17.OCT.94	
CESS001235	START PHASE II TESTING	0	9.MOY.94	
CESS001255	COMPLETE PHASE II TESTING	0	9.MOY.94	
CESS001258	FIRST DRAFT FY 94 REPORT TO DOE	0	9.MOY.94	
CESS001240	CONDUCT FY95 PHASE II ACTIVITIES	224	9.MOY.94	10.OCT.95
CESS001237	OVERSEE PHASE II TESTING	251	9.MOY.94	9.MOY.95
CESS001260	PREPARE FY94 FINAL REPORT	15	9.MOY.94	10.EC94



Sheet 1 of 8

EG&G ROCKY FLATS
 CHEMICALLY ENHANCED STEAM STRIPPING
 OF RADIONUCLIDES FROM RFP SOILS

Activity ID: CESS

Activity Name: CESS

Activity Description: CESS

Activity Start: 26.FEB.94

Activity Finish: 10.EC94

Activity Status: In Progress

Activity Location: Rocky Flats

Activity Priority: High

Activity Owner: EG&G

Activity Manager: [Name]

Activity Sponsor: [Name]

Activity Stakeholders: [List]

Activity Risks: [List]

Activity Issues: [List]

Activity Comments: [Text]

ACTIVITY ID ACTIVITY DESCRIPTION ORIG DUR EARLY START EARLY FINISH

1220	RAD WORKER TRAINING FOR ATI	5	11 JUL 94	15 JUL 94
1230	SCHEDULE RESERVE	4	18 JUL 94	21 JUL 94
1240	PHASE 1 BENCH-SCALE TESTING	59	22 JUL 94	13 OCT 94
1260	SOIL SAMPLE #1	10	22 JUL 94	4 AUG 94
1280	SOIL SAMPLE #2	10	5 AUG 94	18 AUG 94
1300	VEGETATION	10	19 AUG 94	1 SEP 94
1320	SOIL SAMPLE #1 ANALYTICAL RESULTS	15	5 AUG 94	25 AUG 94
1340	SOIL SAMPLE #2 ANALYTICAL RESULTS	15	19 AUG 94	9 SEP 94
1360	VEGETATION SAMPLE ANALYTICAL RESULTS	14	25 SEP 94	22 SEP 94
1380	DE-MOBILIZATION OF EQUIPMENT	10	25 SEP 94	16 SEP 94
1400	RECEIPT OF DRAFT PHASE 1 REPORT	0	29 SEP 94	
1410	SUBMIT DRAFT REPORT TO DOE/RFO FOR REVIEW	0	29 SEP 94	
1415	COMMENTS FROM DOE/RFO	5	29 SEP 94	5 OCT 94
1420	EG&G REVIEW/COMMENT ON REPORT 1	6	29 SEP 94	6 OCT 94
1430	SCHEDULE RESERVE	5	7 OCT 94	13 OCT 94
1440	PHASE 1 RESULTS MEETING	0		13 OCT 94
1460	DECISION ON PHASE 2 TEST	0		13 OCT 94
1480	PHASE 2 BENCH SCALE TESTING	10	14 OCT 94	27 OCT 94
1490	PHASE 2 SAMPLES TO ACCU-LABS	15	28 OCT 94	17 NOV 94



Target Date: 14MAR94
 Plot Date: 11MAY94
 Data Date: 6MAY94
 Project Start: 14MAR94
 Project Finish: 6JUN95

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Activity Bar/Early Dates
 Critical Activity
 Milestone Bar
 Milestone/Flag Activity

SE13

EG&G ROCKY FLATS
 SOLVENT EXTRACTION TREATABILITY STUDY

Sheet 2 of 3

Date	Revision	Checked	Approved

ACTIVITY ID	ACTIVITY DESCRIPTION	REM DUR	EARLY START	EARLY FINISH	1994			
					MAR	APR	MAY	JUN

AMC1000	DEVELOP REPACK PLAN SCHEDULE	0	14MAR94A	18MAR94A						
AMC1010	REPACK PLAN PDHE	0	21MAR94A	25MAR94A						
AMC1020	REPACK PLANS FORMATTED & SCOPED	0	28MAR94A	5APR94A						
AMC1030	NRT-SAMPLE RETURNED	0	5APR94A	22APR94A						
AMC1035	PLASMA MELT SAMPLE RETURN	25	6MAY94	10JUN94						
AMC1040	TRU-CLEAN SAMPLE PROCEDURE	0	31MAR94A	15APR94A						
AMC1045	SAMPLING/ANALYSIS REQUEST FORM	0	15APR94A	18APR94A						
AMC1050	DETERMINE LAB FACILITY	0	4APR94A	18APR94A						
AMC1051	CONFIRM PERMACON SCHEDULING	0	19APR94A	3MAY94A						
AMC1055	SAMPLING CONTRACT INITIATED	0	18APR94A	22APR94A						
AMC1059	H&S PLAN PREPARATION	12	11APR94A	23MAY94						
AMC1060	H&S PLAN WRITTEN	0	11APR94A	29APR94A						
AMC1061	H&S PLAN APPROVAL	6	29APR94A	13MAY94						
AMC1062	SAMPLE TEAM REVIEW H&S PLAN	6	16MAY94	23MAY94						
AMC1064	WIC TEAM PRESAMPLE VISIT	6	24MAY94	1JUN94						
AMC1066	SAMPLES TAKEN - AMC TRU-CLEAN	0								
AMC1067	SAMPLE ANALYSIS	20	1JUN94	28JUN94						
AMC1068	SAMPLES SHIPPED TO ANALYTICAL LAB	2	1JUN94	2JUN94						
AMC1069	OBTAIN ANALYTICAL RESULTS	0								
AMC1070	REPORT PROJECT	27	29JUN94	5AUG94						
AMC1071	WRITE DRAFT METALS REPORT	10	29JUN94	13JUL94						
AMC1072	REVIEW DRAFT REPORT EG&G/DOE	6	13JUL94	20JUL94						
AMC1073	REPORT COMMENTS INCORPORATED	6	20JUL94	27JUL94						
AMC1074	SCHEDULE RESERVE	5	27JUL94	2AUG94						
AMC1075	ISSUE FINAL REPORT	3	3AUG94	5AUG94						
AMC1080	FINAL REPORT TO DOE & RFO	0								
AMC1100	SOIL REPACK PROCEDURE WRITTEN	25	6MAY94	10JUN94						
AMC1110	SOIL REPACK PROCEDURE APPROVAL	8	11APR94A	21JUN94						
AMC1120	PRE-EV BRIEFING - SOIL REPACK	1	2JUN94	2JUN94						
AMC1130	COMPLETE REPACK	0								
AMC1140	TRANSFER REPACKED DRUMS TO BLDG 664	1	3JUN94	3JUN94						

Plot Date: 6MAY94
 Data Date: 6MAY94
 Project Start: 18MAY94
 Project Finish: 5MAY94

Activity Bar/Early Dates
 Critical Activity
 Progress Bar
 Milestone/Flag Activity

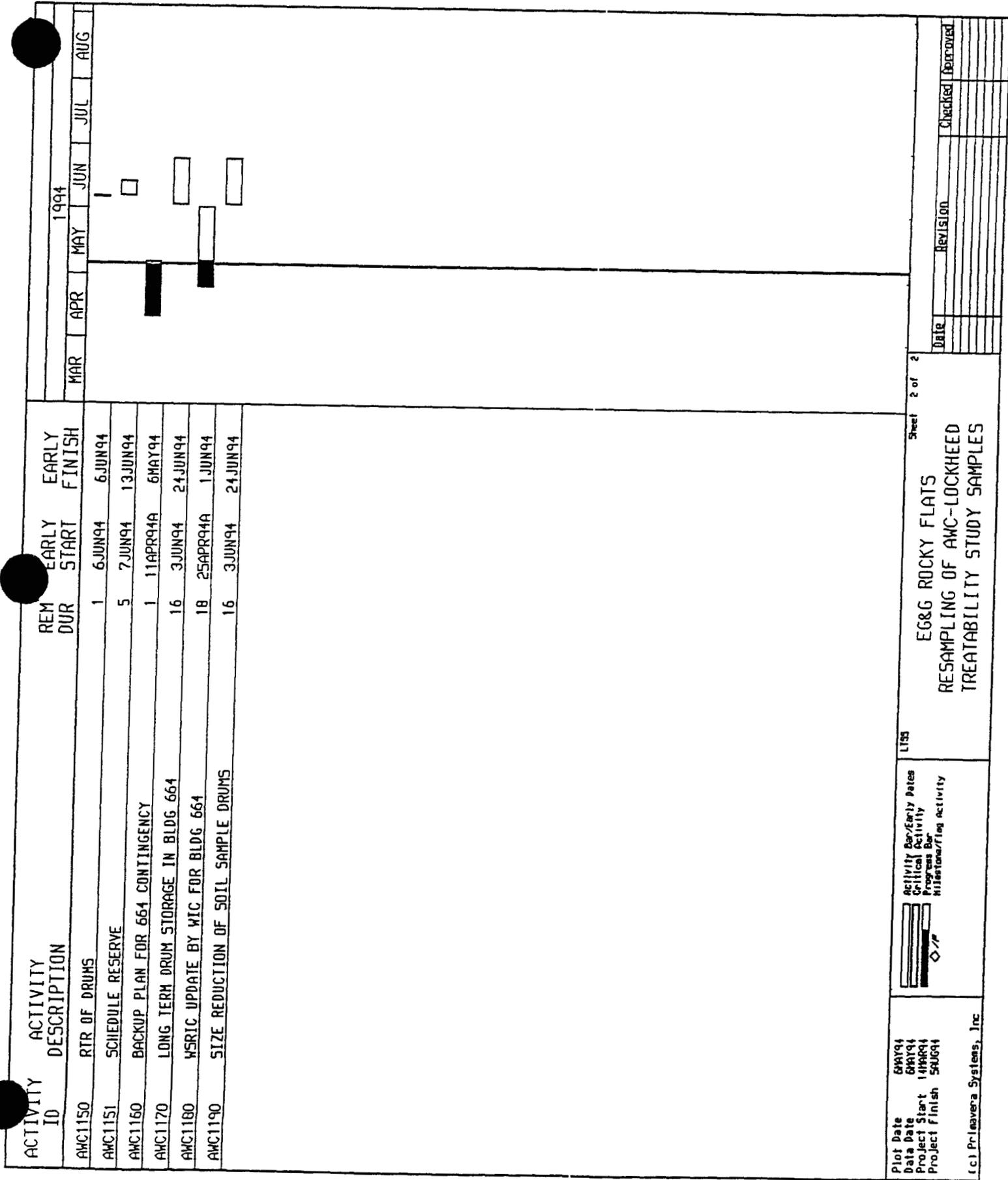
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 [Solid Bar] Activity Bar/Early Dates
 [Hatched Bar] Critical Activity
 [Dashed Bar] Progress Bar
 [Diamond] Milestone/Flag Activity

EG&G ROCKY FLATS
 RESAMPLING OF AMC-LOCKHEED
 TREATABILITY STUDY SAMPLES

Sheet 1 of 2

Date: _____ Revision: _____
 Checked: _____
 Approved: _____

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1994

MAR APR MAY JUN JUL AUG

Plot Date 6MAY94
 Data Date 6MAY94
 Project Start 14APR94
 Project Finish 5AUG94



Activity Bar/Entry Dates
 Critical Activity
 Progress Bar
 Milestone/Flag activity

L153

Sheet 2 of 2

EG&G ROCKY FLATS
 RESAMPLING OF AMC-LOCKHEED
 TREATABILITY STUDY SAMPLES

Date	Revision	Checked	Approved

ACTIVITY ID	ACTIVITY DESCRIPTION	REM DUR	EARLY START	EARLY FINISH
1219204000	TRU/CLEAR	154	18OCT93A	14DEC94
1219204010	PROCUREMENT	7	22FEB94A	16MAY94
1219204020	PREPARE SOH	0	22FEB94A	23FEB94A
1219204030	PREPARE SOLE SOURCE JUSTIFICATION	0	24FEB94A	25FEB94A
1219204040	PREPARE PURCHASE REQUISITION	0	28FEB94A	23MAR94A
1219204050	PREPARE REQUEST FOR PROPOSAL	0	24MAR94A	18APR94A
1219204060	ISSUE RFP	0		18APR94A
1219204070	RESPOND TO RFP	0	19APR94A	2MAY94A
1219204080	TECH EVALUATION	2	6MAY94	9MAY94
1219204090	NEGOTIATE CONTRACT	5	10MAY94	16MAY94
1219204095	AWARD CONTRACT	0		17MAY94
1219204205	REVIEW CONTRACTS ADC/ACCU-LABS	0	18OCT93A	29OCT93A
1219204210	HOLD FOR GROUNDWATER DATA REVIEW	0	29OCT93A	15FEB94A
1219204220	COLLECT GROUNDWATER SCREENING SAMPLES	0	16FEB94A	22FEB94A
1219204230	SUBMIT SAMPLES FOR ANALYSIS	0	23FEB94A	24FEB94A
1219204240	PERFORM METALS ANALYSIS	0	25FEB94A	21MAR94A
1219204250	PERFORM RADS ANALYSIS	0	25FEB94A	21MAR94A
1219204260	ASSEMBLE LAB EQUIPMENT & SUPPLIES	0	15FEB94A	12APR94A
1219204270	COLLECT PHASE I WATER SAMPLES	5	17MAY94	23MAY94
1219204280	PERFORM PHASE I JAR TESTS	5	24MAY94	31MAY94

Activity Classification: SUMMARY

Legend:

- Target Date
- Plot Date
- Date Date
- Project Start
- Project Finish
- Activity Bar/Early Dates
- Critical Activity
- Program Bar
- Target Dates
- Milestone/Flag Activity
- ◆/P

Target Date: 10MAR94
 Plot Date: 04MAY94
 Date Date: 04MAY94
 Project Start: 10CT93
 Project Finish: 20DEC94

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Activity: EG&G ROCKY FLATS
 SITEWIDE TREATABILITY STUDIES
 TRU/CLEAR

Sheet 1 of 3

WORK PACKAGE # 12192

Date: _____
 Revision: _____
 Checked: _____
 Approved: _____

1993 1994

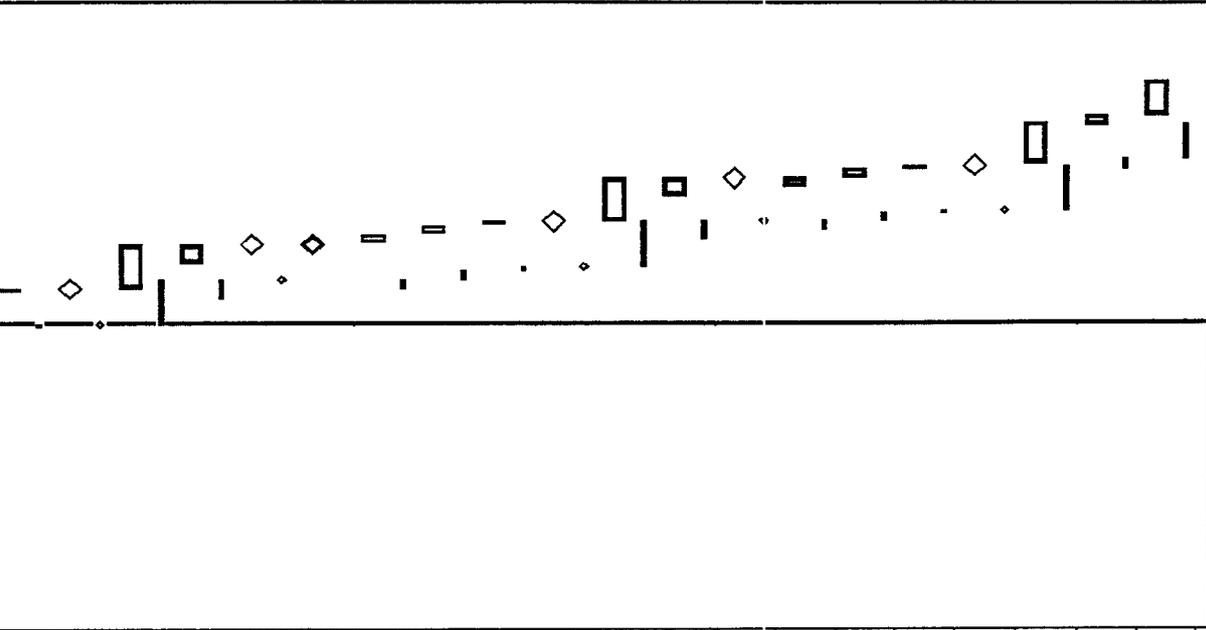
S O N D J F M A M J J A S O N D J

ACTIVITY ID	ACTIVITY DESCRIPTION	REM DUR	EARLY START	EARLY FINISH
1219204290	SUBMIT SAMPLES FOR ANALYSIS	2	1 JUN94	2 JUN94
1219204300	COMPLETE PHASE I LAB WORK	0		2 JUN94
1219204310	RECEIVE ANALYTICAL RESULTS	25	3 JUN94	8 JUL94
1219204330	SUBMIT PHASE I INTERIM REPORT - EG&G	10	24 JUN94	8 JUL94
1219204331	SUBMIT PHASE I INTERIM REPORT	0		8 JUL94
1219204335	PHASE I INTERIM REPORT TO DOE/RFO	0		8 JUL94
1219204340	COLLECT PHASE II WATER SAMPLES	5	11 JUL94	15 JUL94
1219204350	PERFORM PHASE II JAR TESTS	5	18 JUL94	22 JUL94
1219204360	SUBMIT SAMPLES FOR ANALYSIS	2	25 JUL94	26 JUL94
1219204370	COMPLETE PHASE II LAB WORK	0		26 JUL94
1219204380	RECEIVE ANALYTICAL RESULTS	25	27 JUL94	30 AUG94
1219204400	SUBMIT PHASE II INTERIM REPORT	10	17 AUG94	30 AUG94
1219204401	SUBMIT PHASE II INTERIM REPORT	0		30 AUG94
1219204410	COLLECT CONFIRMATORY PHASE WATER SAMPLES	5	24 AUG94	30 AUG94
1219204420	PERFORM CONFIRMATORY PHASE JAR TESTS	5	31 AUG94	7 SEP94
1219204430	SUBMIT SAMPLES FOR ANALYSIS	2	8 SEP94	9 SEP94
1219204440	COMPLETE CONFIRMATORY LAB WORK	0		9 SEP94
1219204450	RECEIVE ANALYTICAL RESULTS	25	12 SEP94	14 OCT94
1219204460	REVIEW ANALYTICAL RESULTS	6	13 OCT94	20 OCT94
1219204470	PREPARE DRAFT FINAL REPORT	20	21 OCT94	17 NOV94

1993

1994

S O N D J F M A M J J A S O N D J



Activity Classification: SUMMARY

Activity Bar/Early Dates
Critical Activity
Progress Bar
Target Dates
Milestone/Flag Activity

Target Date 10MAR94
Plot Date 6APR94
Data Date 6APR94
Project Start 10CT93
Project Finish 20OCT94

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Sheet 2 of 3

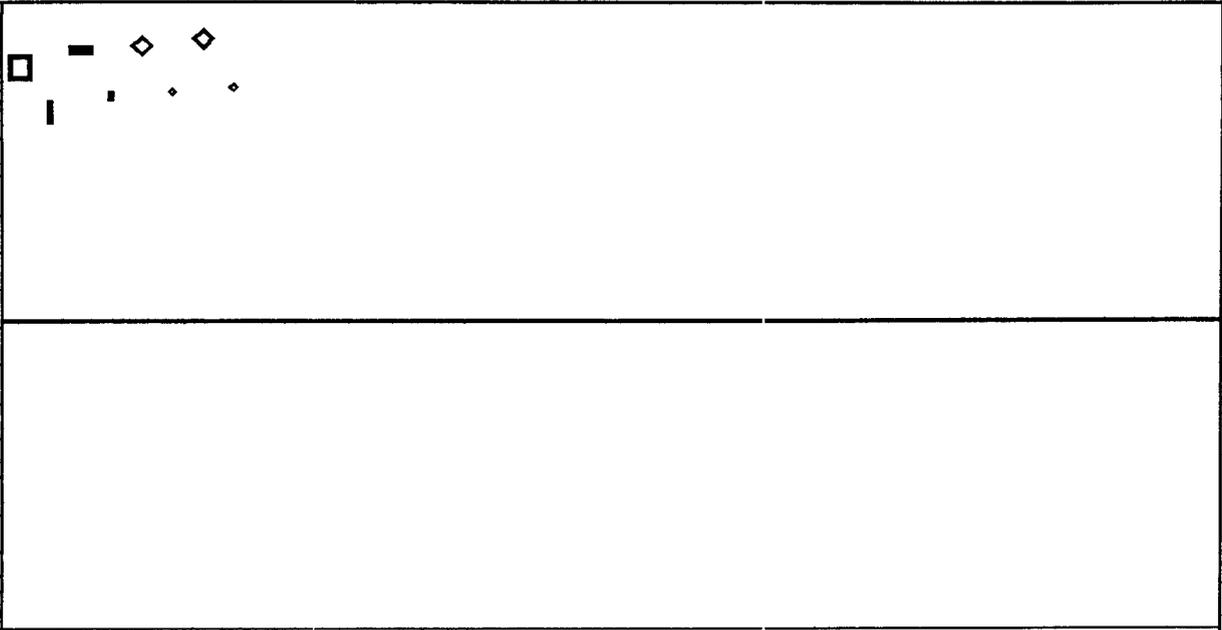
EG&G ROCKY FLATS
SITEWIDE TREATABILITY STUDIES
TRU/CLEAR

WORK PACKAGE # 12192

Date _____ Revision _____ Checked _____ Approved _____

1993 1994
 S O N D J F M A M J J A S O N D J

ACTIVITY ID	ACTIVITY DESCRIPTION	REM DUR	EARLY START	EARLY FINISH
1219204480	REVIEW DRAFT FINAL REPORT (EG&G/DOE)	12	18NOV94	7DEC94
1219204490	INCORPORATE REVIEW COMMENTS	5	8DEC94	14DEC94
1219204500	DELIVER FINAL REPORT TO DOE	0		14DEC94
1219204510	DELIVER FINAL REPORT TO AGENCIES	0		20DEC94



Activity Classification: SUMMARY
 HARDOCK ACTIVITY
 Target Date 10MAY94
 Plot Date 6MAY94
 Data Date 6MAY94
 Project Start 10C193
 Project Finish 20DEC94
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Activity Description
 Critical Activity
 Milestone/Flag Activity

Sheet 3 of 3
 EG&G ROCKY FLATS
 SITEWIDE TREATABILITY STUDIES
 TRU/CLEAR

DATE	REVISION	Checked	Approved

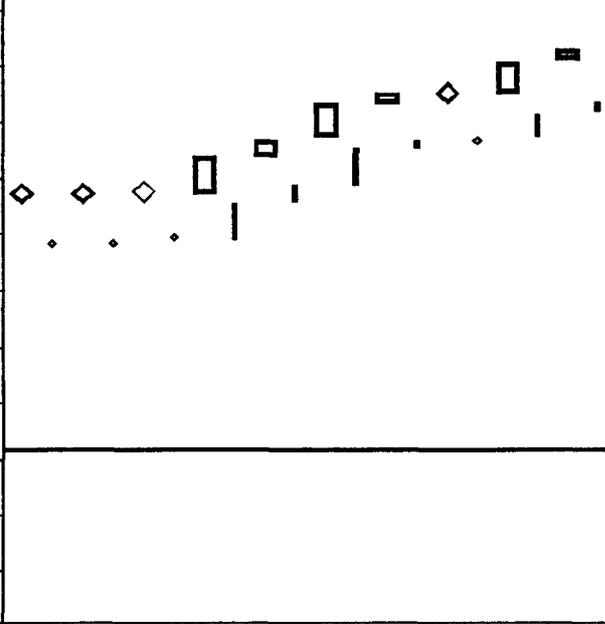
WORK PACKAGE # 12192

ACTIVITY ID DESCRIPTION

ACTIVITY ID	DESCRIPTION	REM DUR	EARLY START	EARLY FINISH
1219205096	DRAFT REPORT TO EG&G FOR REVIEW	0		22SEP94
1219205097	DRAFT REPORT TO DOE FOR REVIEW	0		22SEP94
1219205100	DRAFT REPORT COMPLETED	0		23SEP94
1219205110	REVIEW DRAFT REPORT TO EG&G/DOE	14	23SEP94	12OCT94
1219205120	INCORPORATE COMMENTS	7	13OCT94	21OCT94
1219205125	SCHEDULE RESERVE	14	24OCT94	10NOV94
1219205130	EG&G APPROVAL	4	11NOV94	16NOV94
1219205135	SUBMIT FINAL REPORT TO DOE	0		16NOV94
1219205140	DOE APPROVAL REPORT	10	17NOV94	2DEC94
1219205150	FORWARD REPORT TO AGENCIES	5	5DEC94	9DEC94

1994

FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC



Activity Classification: SIMMR

WORK PACKAGE # 12192

Target Date 10MAR94
 Plot Date 6NOV94
 Data Date 6NOV94
 Project Start 19A94
 Product Finish 9DEC94

Activity Rev/Early Dates
 Critical Activity
 Progress Bar
 Target Dates
 Milestone/Flag Activity

0E8

Sheet 2 of 2

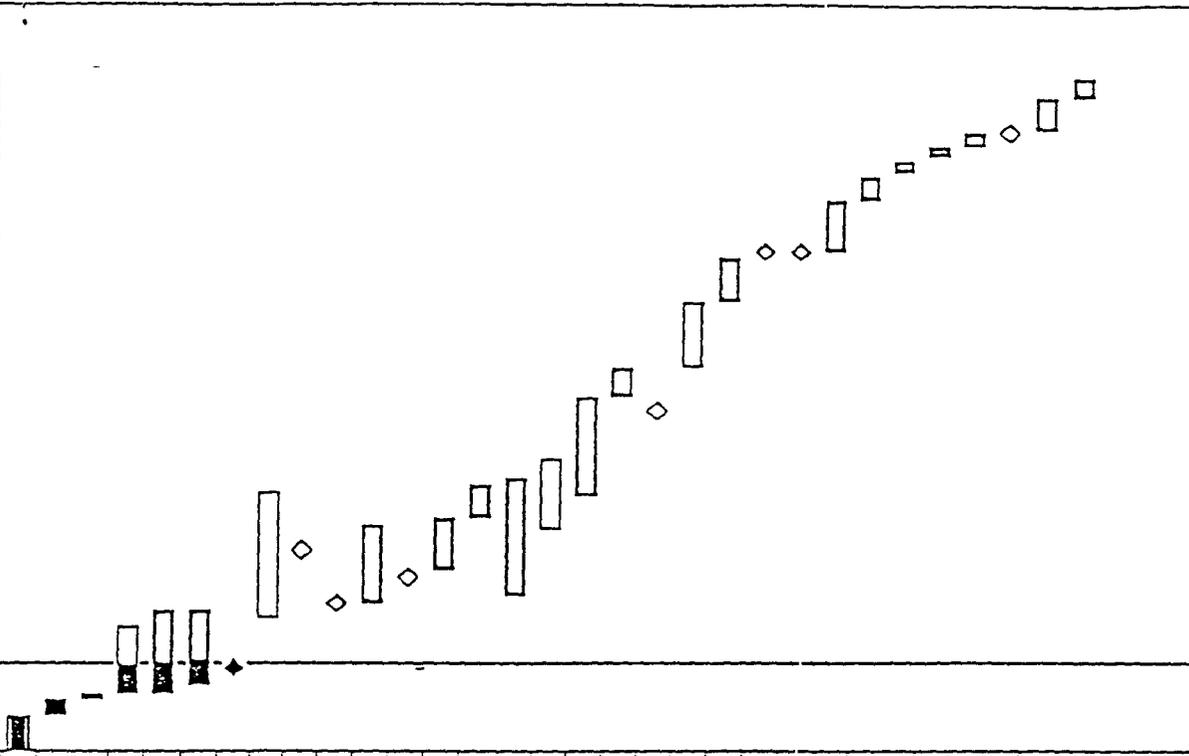
EG&G ROCKY FLATS
 SITEWIDE TREATABILITY STUDIES
 ION EXCHANGE

Date	Revision	Checked	Approved

(c) Primavera Systems, Inc

ACTIVITY ID DESCRIPTION

ACTIVITY ID	DESCRIPTION	ALY EARLY START	EARLY FINISH
1219211000	ADSORPTION	173 200CT90	11NOV91
1219211005	MODEL FOR GROUNDWATER DATA REVIEW	0 200CT90	15FEB90
1219211006	COLLECT GROUNDWATER SCREENING SAMPLES	0 16FEB90	22FEB90
1219211007	SUBMIT WATER SAMPLES FOR ANALYSIS	0 23FEB90	24FEB90
1219211008	RECEIVE METALS ANALYSIS	11 25FEB90	24MAR91
1219211009	RECEIVE RAD5 ANALYSIS	16 25FEB90	31MAR91
1219211010	ORDER & RECEIVE MATERIAL & EQUIPMENT	16 1MAR91	31MAR91
1219211015	PLACE MATERIAL & EQUIPMENT ORDER	0 0MAR91	
1219211020	FIELD SAMPLING	30 29MAY91	20MAY91
1219211025	FIELD SAMPLING PROGRESS REPORT	0 26MAY91	
1219211030	BEGIN TEST WORK	0 1APR91	
1215211010	PERFORM COLUMN EXPERIMENTS	25 1APR91	6MAY91
1219211015	COMPLETE PHASE I COLUMN TESTS	0 15APR91	
1219211050	PERFORM BATCH EXPERIMENTS	16 10APR91	9MAY91
1219211055	SCHEDULE RESERVE	10 10MAY91	29MAY91
1219211060	SEND SAMPLES FOR ANALYSIS	36 2APR91	26MAY91
1219211070	RECEIVE METALS DATA	21 5MAY91	3JUN91
1219211080	RECEIVE RAD5 DATA	29 19MAY91	29JUN91
1219211083	SCHEDULE RESERVE	7 30MAY91	11JUL91
1219211005	VERIFY RECEIPT OF RAD5 DATA	0 21MAY91	
1219211090	WRITE REPORT	20 12JUL91	0AUG91
1219211095	SCHEDULE RESERVE	14 9MIG91	26AUG91
1219211100	DRAFT REPORT COMPLETED	0 0	29AUG91
1219211101	DRAFT REPORT TO DOE/RFO FOR REVIEW	0 0	29AUG91
1219211110	REVIEW DRAFT REPORT (EG&G/DOE)	15 30AUG91	20SEP91
1219211120	INCORPORATE COMMENTS	0 21SEP91	30SEPT91
1219211125	SCHEDULE RESERVE	5 30CT91	20CT91
1219211130	EG&G APPROVAL	4 100CT91	130CT91
1219211135	SCHEDULE RESERVE	4 140CT91	190CT91
1219211139	SUBMIT FINAL REPORT TO DOE	0 0	190CT91
1219211110	DOE APPROVAL REPORT	10 210CT91	31NOV91
1219211150	FORWARD REPORT TO GEG/ICIS	6 11NOV91	11NOV91



Activity Classification: Summary
 WBS CODE: 4210111

Plot Date: 23APR91
 Data Date: 10MAY91
 Project Start: 11MAY91
 Project Finish: 11NOV91

Activity Bar/Early Dates
 Critical Activity
 Progress Bar
 Non-Executing Activity

EG&G ROCKY FLATS
 STECHIDE TREATABILITY STUDIES
 ADSORPTION

Sheet 1 of 1

WORK PACKAGE: 12192

Date: _____
 Revision: _____
 Checked: _____
 Released: _____

ICSI Performance Systems, Inc.