

December 7, 1994

94-RF-12116

Jessie M. Roberson  
Assistant Manager  
Environmental Restoration Program Division  
DOE, RFFO

REVISION TO THE BUILDING 889 DECONTAMINATION AND DECOMMISSIONING  
PILOT SCOPE OF WORK (11239) - SGS-632-94

Per your request in the referenced correspondence, the following information is being provided on the Building 889 workscope. The workscope is scheduled to be accomplished in fiscal year 1995 for the Deactivation, Decontamination, and Decommissioning (D<sup>3</sup>) activities at the Rocky Flats Environmental Technology Site (Site) for Pilot Project # 5, the demolition of Building 889 and removal of Building T889A. D<sup>3</sup> of building 889 will include decontamination of the inside of the building and removal of all hazardous substances possible. The D<sup>3</sup> pilot project is being managed in Work Package (WP) 13003. The WP currently contains only partial scope and funding required to accomplish the project objectives established at the time of WP development. The major activities funded within this WP included:

- Building Operations and maintenance to support D<sup>3</sup> activities;
- Environmental contaminant surveys of the building for compliance with the Resource Conservation and Recovery Act (RCRA);
- Review and finalization of the Health and Safety Plan for D<sup>3</sup> activities for Building 889;
- Incorporation of the Department of Energy/Rocky Flats Field Office (DOE/RFFO) comments, finalization, and implementation of the Phase I Radiological Sampling Plan to support the strip-out and removal of Building 889 and T889A;
- Implementation of the Waste Identification and Characterization Procedure and the removal of excess chemicals from the building;

**ADMIN RECORD**

IA- IA-A-00088

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December 7, 1994  
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- Resubmittal of the National Environmental Policy Act (NEPA) documentation for building 889 D<sup>3</sup>. The revised, resubmitted NEPA documentation includes demolition and removal activities for T889A scheduled to occur in fiscal year 1996;
- Revision of the Title II design package for the unfunded scope of Building 889 demolition and removal and relocation of T889A;
- Preparation of an Integrated Work Control Package (IWCP) for implementation of the Health and Safety Plan, radiological survey, removal of government property to Property Utilization and Disposal (PU&D), and other related D<sup>3</sup> activities defined in the existing Title II design package for Building 889 and T889A removal and relocation;
- Revision and resubmittal of the Davis-Bacon determination for Building 889 based on future demolition of the building and removal and relocation of T889A;
- Application to the Site Use Review Board (SURB) based on the revised scope of Building 889 demolition and T889A removal and relocation;
- Preparation, submittal to DOE/RFFO, and implementation of a Readiness Review (RR) for the D<sup>3</sup> activities in Building 889 and relocation and removal of T889A;
- Preparation and implementation of a job safety screening.

The budget for the work presently scoped and scheduled in WP 13003 has an approximate value of \$1.0 million. In response to your correspondence, EG&G Rocky Flats, Inc. has prepared the attached revised scope, schedule, and project cost estimate to meet DOE/RFFO objectives of demonstrating methods, techniques, and procedures to accomplish the clean-up mission as directed by the DOE/RFFO in Attachment one of your correspondence. This revised scope addresses the assessment and abatement of environmental contamination sources in Building 889, demonstration of decontamination technologies, closure of RCRA waste management unit, compliance with Comprehensive Environmental

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Response, Compensation and Liability Act (CERCLA) regulatory issues, and compliance with Interagency Agreements. Closure and removal of the sumps and old piping system under the RCRA permit will be through a RCRA closure plan. Attached is the summary outline for the closure plan. This plan requires regulatory approval by the State of Colorado. It is assumed that any soil contamination encountered will not be addressed under the closure plan, but will be included in the current Interagency Agreement (IAG) activities for Operable Unit 9 (OU9). The revised scope does not address the RCRA closure of Tanks T-4 and T-5 located in Building 886. This RCRA closure is being conducted under the closure of the process waste lines in Building 865 and the RCRA permitted tanks in Building 886 which includes Tanks T-4 and T-5.

The project technical objectives, as outlined in attachment 1 of your correspondence has been addressed in the following attachments: A revised schedule and resources for pilot project #5 which incorporated the scope changes requested in DOE/RFFO correspondence ER:VW:11239 (attachment 1); the attached outlines for the RCRA Closure of the building sumps, piping and outside tanks (attachment 2), and the IAG Proposed Action Memorandum (PAM) for the Decommissioning and Demolition of the Building (attachment 3). The actual breaching of the building containment structure, removal of the building, and excavation and removal of the old piping system will be done under a PAM. Currently, both the State and EPA must approve a PAM. No sampling and analysis of the area under or around the facility is planned as part of this action, so Sampling and Analysis plans will not include these actions. Soil contamination is expected around the old piping system, but conditions to address this contamination is already included in the scope of OU 9. Therefore, the contaminated soil will be excluded from the scope of the PAM. To implement the requested scope and schedule revision EG&G Rocky Flats has prepared and is submitting a Baseline Change Proposal (BCP) to the Plant Change Control Board for the funding to complete the DOE/RFFO requested 889 complex D<sup>3</sup> process. The BCP is requesting an additional \$1.1 million for Fiscal Year 1995 resulting in a projected total pilot project cost of \$2.6 million.

Note that the estimated total cost of the 889 pilot project has a cost uncertainty in the range of -30% to +50%. The total cost will be more closely defined upon completion of the RCRA closure plan and the title II design for the

J. M. Roberson  
December 8, 1994  
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building demolition. Additional costs will be incurred should DOE/RFFO allow inclusion of the removal of the original process waste pit west of Building 889 to be include in the project scope.

If you have any questions concerning the scope of D<sup>3</sup> activities for the 889 complex please feel free to contact Michael D. Klein of Building Deactivation at extension 3703.

S. G. Stiger, Director  
Environmental Restoration Program Division  
EG&G Rocky Flats, Inc.

MDK:maa

Orig. and 1 cc - J. M. Roberson

Attachments:  
As Stated (3)

cc:  
S. Schiesswohl - DOE, RFFO  
M. N. Silverman - DOE, RFFO  
V. F. Witherill - DOE, RFFO

CORRES. CONTROL  
OUTGOING LTR NO.

**EG&G ROCKY FLATS**

DOE ORDER# 4700-1  
94 RF 12114

EG&G ROCKY FLATS, INC.  
ROCKY FLATS PLANT, P.O. BOX 464, GOLDEN, COLORADO 80402-0464 • (303) 956-7000

DIST.	CH	INITIALS
MARAL, M.E.		
MURLINGAME, A.H.	X	
MUSBY, W.S.		
BRANCH, D.B.		
MARNIVAL, G.J.		
DAVIS, J.G.		
FERRERA, D.W.		
FRAY, R.E.		
BEIS, J.A.		
BLOVER, W.S.		
BOLAN, P.M.		
HANNI, B.J.		
HARMAN, L.K.		
HEALY, T.J.		
HEDAHL, T.		
HILBIG, J.G.		
HUTCHINS, N.M.		
JACKSON, D.T.		
KELL, R.E.		
KUESTER, A.W.		
MARX, G.E.		
MCDONALD, M.M.		
McKENNA, F.G.		
MONTROSE, J.K.		
MORGAN, R.V.		
POTTER, G.L.		
PIZZUTO, V.M.	X	X
RISING, T.L.		
SANDLIN, N.B.		
SCHWARTZ, J.K.		
SETLOCK, G.H.		
STEWART, D.L.		
STIGER, S.G.	X	
TOBIN, P.M.		
VOORHEIS, G.M.		
WILSON, J.M.		
DeMass, T.R.	X	X
Lenew, S.A.	X	X
Zinn, G.	X	X
Peterhan, B.D.	X	X
Hollourn, L.J.	X	X
Ward, C.	X	X
Wright, J.	X	X
CORRES. CONTROL	X	X
ADMN RECORD/080	X	X
TRAFFIC		
PATS/T130G	X	X

December 12, 1994

94-RF-12116

Jessie M. Roberson  
Assistant Manager  
Environmental Restoration Program Division  
DOE, RFFO

**REVISION TO THE BUILDING 889 DECONTAMINATION AND DECOMMISSIONING PILOT SCOPE OF WORK (11239) - SGS-632-94**

Action: None Required

Per your request in the referenced correspondence, the following information is being provided on the Building 889 workscope. The workscope is scheduled to be accomplished in fiscal year 1995 for the Deactivation, Decontamination, and Decommissioning (D<sup>3</sup>) activities at the Rocky Flats Environmental Technology Site (Site) for Pilot Project # 5, the demolition of Building 889 and removal of Building T889A. D<sup>3</sup> of building 889 will include decontamination of the inside of the building and removal of all hazardous substances possible. The D<sup>3</sup> pilot project is being managed in Work Package (WP) 13003. The WP currently contains only partial scope and funding required to accomplish the project objectives established at the time of WP development. The major activities funded within this WP included:

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CLASSIFICATION:

UNCLASSIFIED		
CONFIDENTIAL		
SECRET		

AUTHORIZED CLASSIFIER  
SIGNATURE

DOCUMENT CLASSIFICATION  
REVIEW WAIVER PER  
CLASSIFICATION OFFICE

IN REPLY TO RFP CC NO:  
0417-RF-94

ACTION ITEM STATUS  
 PARTIAL/OPEN  
 CLOSED

APPROVALS:  
ORIG & TYPIST INITIALS

- Revision and resubmittal of the Davis-Bacon determination for Building 889 based on future demolition of the building and removal and relocation of T889A;
- Application to the Site Use Review Board (SURB) based on the revised scope of Building 889 demolition and T889A removal and relocation;
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S. G. Stiger, Director  
Environmental Restoration Program Division  
EG&G Rocky Flats, Inc.

MDK:maa

Orig. and 1 cc - J. M. Roberson

Attachments:  
As Stated (3)

cc:  
S. Schiesswohl - DOE, RFFO  
M. N. Silverman - DOE, RFFO  
V. F. Witherill - DOE, RFFO

ACTIVITY ID	ACTIVITY DESCRIPTION	EARLY START	EARLY FINISH	ORIG DUR	REM DUR
10	Building 889 Deactivation Start	24APR94A		0	0
P5 50001	Pilot Project #5 - Building 889	25APR94A	14OCT96	619	464
459	Surveillance & Maintenance	30CT94A	29SEP95	248	205
461	RCRA Inspections	30CT94A	29SEP95	248	205
462	Maintenance	30CT94A	29SEP95	248	205
P5 50117	Environmental Checklist/Cat Ex Deactivation	27MAY94A	8NOV94A	115	0
P5 50118	Prepare Environ Checklist/Cat. Ex. Deactivation	27MAY94A	3JUN94A	5	0
P5 50119	Submit Environmental Checklist to NEPA Deact		3JUN94A	0	0
P5 50120	END Review Checklist Deactivation	3JUN94A	3JUN94A	10	0
P5 50121	END Presents Checklist to NEPA Compliance Deact	3JUN94A	3JUN94A	5	0
P5 50122	Prepare Categorical Exclusion for Deactivation	6JUN94A	7JUL94A	14	0
P5 50123	Submit Categorical Exclusion to DOE		7JUL94A	0	0
P5 50124	DOE Review and Comment on CX for Deactivation	8JUL94A	2SEP94A	15	0
P5 50125	Incorporate Comments and Finalize Deactivation	6SEP94A	8NOV94A	5	0
224	Estimate Waste Types and Volumes	8NOV94A	21NOV94A	10	0
P5 50183	Submittal of Approved SURB to NEPA	10NOV94A	25NOV94A	15	0
199	Environmental Checklist/NEPA Documentation	22NOV94A	23JAN95	37	30
200	Revise Environmental Checklist	22NOV94A	25NOV94A	5	0
900	Submit Environmental Checklist/NEPA Doc.		25NOV94A	0	0
450	END Committee Review of NEPA Checklist	5DEC94	9DEC94	5	5
201	Prepare Categorical Exclusion	12DEC94	16DEC94	5	5
P5 50184	NEPA determination of CX or EA for D&D	12DEC94	9JAN95	15	15
203	DOE Review and Comment on CX	19DEC94	16JAN95	15	15
P5 50185	NEPA Decision of CX for D&D	10JAN95	20FEB95	30	30
204	Incorporate Comments and Finalize CX	17JAN95	23JAN95	5	5
205	Davis-Bacon	25APR94A	3NOV94A	136	0
P5 50003	Prepare Davis-Bacon Determination	25APR94A	29APR94A	5	0
P5 50005	Submit Davis-Bacon Determination		29APR94A	0	0
P5 50006	Davis-Bacon Determinations	2MAY94A	20MAY94A	15	0
P5 50007	Davis-Bacon Decision		20MAY94A	0	0
206	Revise Davis-Bacon Determination	30CT94A	14OCT94A	10	0
901	Submit Revised Davis-Bacon Determination		14OCT94A	0	0
207	Davis-Bacon Determinations	17OCT94A	28OCT94A	10	0
208	Davis-Bacon Decision	31OCT94A	3NOV94A	8	0
212	Site Use Review Board (SURB)	17OCT94A	9NOV94A	18	0
209	Reapply to SURB - Prepare documentation	17OCT94A	28OCT94A	15	0
210	SURB Review	31OCT94A	4NOV94A	3	0
902	Submit to SURB for Approval		4NOV94A	0	0
211	SURB Approval	9NOV94A	9NOV94A	1	0

FY94 A M J J A I S O N D J F M A M J J A S O N D J F M A M J J A S O  
 FY95 F Y 9 6  
 Building 889 Deactivation Start

**Project Support Activities**

Surveillance & Maintenance  
 RCRA Inspections  
 Maintenance

**NEPA Regulatory Compliance**

Environmental Checklist/Cat Ex Deactivation  
 Prepare Environ Checklist/Cat. Ex. Deactivation  
 Submit Environmental Checklist to NEPA Deact  
 END Review Checklist Deactivation  
 END Presents Checklist to NEPA Compliance Deact  
 Prepare Categorical Exclusion for Deactivation  
 Submit Categorical Exclusion to DOE  
 DOE Review and Comment on CX for Deactivation  
 Incorporate Comments and Finalize Deactivation  
 Estimate Waste Types and Volumes  
 Submittal of Approved SURB to NEPA  
 Environmental Checklist/NEPA Documentation  
 Revise Environmental Checklist  
 Submit Environmental Checklist/NEPA Doc.  
 END Committee Review of NEPA Checklist  
 Prepare Categorical Exclusion  
 NEPA determination of CX or EA for D&D  
 DOE Review and Comment on CX  
 NEPA Decision of CX for D&D  
 Incorporate Comments and Finalize CX

**Davis-Bacon Determination**

Davis-Bacon  
 Prepare Davis-Bacon Determination  
 Submit Davis-Bacon Determination  
 Davis-Bacon Determinations  
 Davis-Bacon Decision  
 Revise Davis-Bacon Determination  
 Submit Revised Davis-Bacon Determination  
 Davis-Bacon Determinations  
 Davis-Bacon Decision

**Site Use Review Board (SURB)**

Site Use Review Board (SURB)  
 Reapply to SURB - Prepare documentation  
 SURB Review  
 Submit to SURB for Approval  
 SURB Approval

Activity Class:  Hammock Level 1  Hammock Level 2

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

Plot Date: 7DEC94  
 Data Date: 5DEC94  
 Project Start: 1APR94  
 Project Finish: 14OCT96

(c) Primavera Systems, Inc.

EG&G Rocky Flats Inc.  
 WP 13003 'WHAT IF SCHEDULE'  
 BUILDING 889 COMPLETE DEMOLITION

Sheet 1 of 7

Date	Revision	Checked	Approved

ACTIVITY ID	ACTIVITY DESCRIPTION	EARLY START	EARLY FINISH	ORIG DUR	REM DUR
395	Baseline Change Proposal	3JAN95		0	0
310	Procurement Cycle for PAM & RCRA Closure	4JAN95	21FEB95	35	35
315	Develop Statement of Work (SOW)	4JAN95	24JAN95	15	15
320	Solicit SOW to Bidders	25JAN95	7FEB95	10	10
325	Evaluate Bidders	8FEB95	14FEB95	5	5
330	Award Contract	15FEB95	21FEB95	5	5
400	Proposed Action Memorandum (PAM)	22FEB95	27JUN95	88	88
405	Develop PAM	22FEB95	4APR95	30	30
410	Issue PAM to CDH/EPA	4APR95	4APR95	0	0
415	Public Comment Period	5APR95	17MAY95	30	30
420	Incorp. Comments/Prepare Respons. Summ.	18MAY95	7JUN95	14	14
425	Submit Responsiveness Summary	7JUN95	7JUN95	0	0
430	CDH/EPA Approval Period	8JUN95	16JUN95	7	7
435	Incorporate Comments	19JUN95	27JUN95	7	7
<b>RCRA Closure</b>					
800	RCRA Closure	22FEB95	27JUN95	88	88
805	Develop RCRA Closure	22FEB95	4APR95	30	30
810	Issue RCRA Closure Plan to CDH/EPA	5APR95	4APR95	0	0
815	Public Comment Period	5APR95	17MAY95	30	30
820	Incorp. Comments/Prepare Respons. Summ.	18MAY95	7JUN95	14	14
825	Submit Responsiveness Summary	8JUN95	7JUN95	0	0
830	CDH/EPA Approval Period	8JUN95	16JUN95	7	7
835	Incorporate Comments	19JUN95	27JUN95	7	7
<b>Chemical Assessment</b>					
500	Chemical Assessment	22FEB95	25SEP95	150	150
505	Develop Chemical Assessment Plan for B889	22FEB95	21MAR95	20	20
510	EG&G Review of Chemical Assessment Plan for B889	22MAR95	28MAR95	5	5
515	Incorporate EG&G Comments	29MAR95	11APR95	10	10
520	Submit Chemical Assessment Plan to DOE/RFFO	11APR95	11APR95	0	0
525	Develop IWCP(C) for Chemical Assessment of B889	12APR95	26APR95	10	10
530	Develop SOW for Chemical Assessment	27APR95	10MAY95	10	10
535	Solicit Subcontractors to Perform Chem. Assess.	11MAY95	24MAY95	10	10
540	Evaluate SOW Bidders	25MAY95	1JUN95	5	5
545	Award Contract	2JUN95	8JUN95	5	5
550	Mobilize Field Crews	28JUN95	29JUN95	2	2
555	Conduct Chemical Characterization of B889	30JUN95	14JUL95	10	10
560	Analyze and Validate Chem. Char. Samples of B889	17JUL95	25AUG95	30	30
565	Prepare Chemical Characterization Report	28AUG95	11SEP95	10	10
570	EG&G Review for Chem. Char. Report	12SEP95	18SEP95	5	5
575	Incorporate EG&G Comments	19SEP95	25SEP95	5	5
580	Submit Chem. Char. Report to DOE/RFFO	25SEP95	25SEP95	0	0
<b>External D&amp;D Activities</b>					
100	Revise Title II Engineering - D&D	14NOV94A	13FEB95	58	45

Date	Revision	Checked	Approved

Activity Class: Hammock/Activity  
 Hammock Level 1  
 Hammock Level 2  
 Activity Bar/Early Date  
 Project Start  
 Project Finish  
 7DEC94  
 5DEC94  
 1APR94  
 14OCT96  
 (c) Primavera Systems, Inc.



**D&D Operations - Original Scope**

- Title II Design - Deactivation
- Project Specific Pre-Planning
- Equipment Inventory
- Facility History and Report
- Security Plan
- Prepare Security Plan
- Review Security Plan
- Incorporate Comments
- Submit Security Plan to DOE
- DOE Review Security Plan
- Incorporate Comments

**Health & Safety (Deactivation)**

- Health & Safety Plan (Deactivation)
- Prepare Health & Safety Plan
- Submit Health & Safety Plan to ER for Review
- ER Coordinates Review Cycle
- Incorporate ER Comments
- DOE Review Health & Safety Plan
- Incorporate DOE Comments
- Final Health & Safety Plan Approval

**Health & Safety (D&D)**

- Health & Safety Plan (D&D)
- Prepare Health & Safety Plan
- Submit Health & Safety Plan to ER for Review
- ER Coordinates Review Cycle
- Incorporate ER Comments
- DOE Review Health & Safety Plan
- Incorporate DOE Comments
- Final Health & Safety Plan Approval

**Internal D&D Operations**

- Internal D&D Operations
- Decontaminate Reusable Equipment
- Decontaminate Reusable Equipment
- Remove Reusable Equipment
- Building Walkdowns
- Prepare New Rad. Evaluation
- IWCP Development (C) - Furniture Removal
- Remove Furniture (Admin. Area)
- EO - HVAC Removal
- IWCP Development (B) - HVAC Removal
- Safety Screen - HVAC Removal
- Prepare IWCP (B) - Existing Title II Design
- Notice to Proceed

ACTIVITY ID	ACTIVITY DESCRIPTION	EARLY START	EARLY FINISH	ORIG DUR	REM DUR
P5 50009	Title II Design - Deactivation	30AUG94A	15SEP94A	128	0
P5 50127	Project Specific Pre-Planning	31MAY94A	7JUN94A	6	0
P5 50128	Equipment Inventory	31MAY94A	7JUN94A	10	0
P5 50129	Facility History and Report	1JUN94A	7JUN94A	5	0
P5 50101	Security Plan	31MAY94A	12AUG94A	53	0
P5 50102	Prepare Security Plan	31MAY94A	14JUN94A	15	0
P5 50103	Review Security Plan	6JUN94A	14JUN94A	10	0
P5 50104	Incorporate Comments	15JUN94A	28JUN94A	5	0
P5 50105	Submit Security Plan to DOE	28JUN94A	28JUN94A	0	0
P5 50106	DOE Review Security Plan	29JUN94A	5AUG94A	15	0
P5 50107	Incorporate Comments	8AUG94A	12AUG94A	5	0
P5 50042	Health & Safety Plan (Deactivation)	5JUL94A	18NOV94A	98	0
P5 50043	Prepare Health & Safety Plan	5JUL94A	14SEP94A	10	0
P5 50044	Submit Health & Safety Plan to ER for Review	14SEP94A	14SEP94A	0	0
P5 50045	ER Coordinates Review Cycle	15SEP94A	30SEP94A	5	0
P5 50047	Incorporate ER Comments	7OCT94A	21OCT94A	20	0
P5 50048	DOE Review Health & Safety Plan	24OCT94A	4NOV94A	15	0
P5 50049	Incorporate DOE Comments	7NOV94A	18NOV94A	10	0
P5 50050	Final Health & Safety Plan Approval	18NOV94A	18NOV94A	0	0
700	Health & Safety Plan (D&D)	22FEB95	1JUN95	70	70
705	Prepare Health & Safety Plan	22FEB95	21MAR95	20	20
710	Submit Health & Safety Plan to ER for Review	22MAR95	21MAR95	0	0
715	ER Coordinates Review Cycle	22MAR95	28MAR95	5	5
720	Incorporate ER Comments	29MAR95	26APR95	20	20
725	DOE Review Health & Safety Plan	27APR95	17MAY95	15	15
730	Incorporate DOE Comments	18MAY95	1JUN95	10	10
735	Final Health & Safety Plan Approval	2JUN95	1JUN95	0	0
289	Internal D&D Operations	1SEP94A	1FEB96	350	286
P5 50145	Decontaminate Reusable Equipment	1SEP94A	9JAN95	84	20
P5 50146	Decontaminate Reusable Equipment	1SEP94A	9JAN95	10	20
P5 50147	Remove Reusable Equipment	1SEP94A	9JAN95	10	20
460	Building Walkdowns	3OCT94A	29SEP95	248	205
225	Prepare New Rad. Evaluation	8NOV94A	21NOV94A	10	0
119	IWCP Development (C) - Furniture Removal	9NOV94A	30NOV94A	15	0
280	Remove Furniture (Admin. Area)	5DEC94	9DEC94	5	5
101	EO - HVAC Removal	19DEC94	16JAN95	15	15
103	IWCP Development (B) - HVAC Removal	17JAN95	6FEB95	15	15
102	Safety Screen - HVAC Removal	7FEB95	7FEB95	1	1
P5 50180	Prepare IWCP (B) - Existing Title II Design	21FEB95	6MAR95	10	10
P5 50143	Notice to Proceed	28FEB95	28FEB95	0	0

Activity Classification: Hammock/Activity  
 Hammock Level 1  
 Hammock Level 2  
 Activity Bar/Entry Dates  
 Critical Activity  
 Progress Bar  
 Milestone/Flag Activity

DRIL

EG&G Rocky Flats Inc.  
 WP 13003 'WHAT IF SCHEDULE'  
 BUILDING 889 COMPLETE DEMOLITION

(c) Primavera Systems, Inc.

Plot Date: 7DEC94  
 Data Date: 5DEC94  
 Project Start: 1APR94  
 Project Finish: 14OCT96

Sheet 4 of 7

Date	Revision	Checked	Approved

ACTIVITY ID	ACTIVITY DESCRIPTION	EARLY START	EARLY FINISH	ORIG DUR	REM DUR
P5 50144	Mobilize Work Force	28FEB95	9MAR95	8	8
301	Remove Equipment from Room 112	10MAR95	16MAR95	5	5
300	Remove Equipment from RCA	17MAR95	30MAR95	10	10
302	Disconnect Elec. and Remove HVAC from 104 Mezz.	31MAR95	13APR95	10	10
P5 50039	Equipment Removal (photos)	31MAR95	21APR95	15	15
303	Disconnect Elec. and Remove Crusher & Baler	17APR95	28APR95	10	10
304	Disconnect Elec. and Remove Health Physics	1MAY95	9MAY95	7	7
305	Disconnect Utilities and Steam Service to Rm 106	10MAY95	16MAY95	5	5
307	Disconnect and Remove HVAC from Rm 105	17MAY95	23MAY95	5	5
306	Remove Process Waste Piping from Rm 112 to 106	17MAY95	31MAY95	10	10
271	Disconnect Utilities to Trailer T889A	12JUN95	16JUN95	5	5
260	Filter Plenum	11JUL95	28AUG95	35	35
268	Remove Clean Filter Plenum	11JUL95	7AUG95	20	20
261	Remove HVAC Ducts	8AUG95	14AUG95	5	5
290	Decontaminate Interior Surfaces	20CT95	11JAN96	66	66
P5 50040	Decontamination (photos)	20CT95	20OCT95	15	15
262	Remove Mezzanine Structure	15AUG95	28AUG95	10	10
118	IWCP Development (A) - Structure Removal	23OCT95	10NOV95	15	15
291	Dismantle Administration Area	12JAN96	18JAN96	5	5
292	Dismantle Pre-Fab Area	19JAN96	1FEB96	10	10
293	Dismantle Original Structure	2FEB96	22FEB96	15	15
294	Dismantle Base Mat	23FEB96	14MAR96	15	15
296	Sample Soil Under Building	15MAR96	19MAR96	3	3
297	Laboratory Analysis	20MAR96	26JUL96	90	90
295	Remove Process Lines Under Soil	29JUL96	9AUG96	10	10
P5 50041	Project Completion (photos)	12AUG96	16AUG96	5	5
P5 50503	Complete D&D Operations	16AUG96	16AUG96	0	0
308	FY95 Project Management: Building 889	30CT94A	29SEP95	248	205
240	Develop Lessons Learned	22DEC94	3JAN95	3	3
250	Submit Lessons Learned to DOE	3JAN95	3JAN95	0	0
241	Develop Lessons Learned	31MAR95	4APR95	3	3
251	Submit Lessons Learned to DOE	5APR95	4APR95	0	0
242	Develop Lessons Learned	30JUN95	5JUL95	3	3
252	Submit Lessons Learned to DOE	6JUL95	5JUL95	0	0
243	Develop Lessons Learned	28SEP95	20CT95	3	3
253	Submit Lessons Learned to DOE	30CT95	20CT95	0	0
P5 50167	Project Closeout and Verification	12AUG96	14OCT96	45	45
P5 50169	Internal Verification	12AUG96	16AUG96	5	5
P5 50168	Closeout Operations	12AUG96	23AUG96	10	10
P5 50170	Prepare Final Report	12AUG96	23AUG96	10	10
P5 50171	Submit Final Report to DOE	23AUG96	23AUG96	0	0

**Internal D&D Operations**

- Mobilize Work Force
- Remove Equipment from Room 112
- Remove Equipment from RCA
- Disconnect Elec. and Remove HVAC from 104 Mezz.
- Equipment Removal (photos)
- Disconnect Elec. and Remove Crusher & Baler
- Disconnect Elec. and Remove Health Physics
- Disconnect Utilities and Steam Service to Rm 106
- Disconnect and Remove HVAC from Rm 105
- Remove Process Waste Piping from Rm 112 to 106
- Disconnect Utilities to Trailer T889A
- Filter Plenum
- Remove Clean Filter Plenum
- Remove HVAC Ducts
- Decontaminate Interior Surfaces
- Decontamination (photos)

**Structural D&D Operations**

- Remove Mezzanine Structure
- IWCP Development (A) - Structure Removal
- Dismantle Administration Area
- Dismantle Pre-Fab Area
- Dismantle Original Structure
- Dismantle Base Mat
- Sample Soil Under Building
- Laboratory Analysis
- Remove Process Lines Under Soil
- Project Completion (photos)
- Complete D&D Operations

**Project Management**

- Develop Lessons Learned
- Submit Lessons Learned to DOE
- Develop Lessons Learned
- Submit Lessons Learned to DOE
- Develop Lessons Learned
- Submit Lessons Learned to DOE
- Develop Lessons Learned
- Submit Lessons Learned to DOE
- Project Closeout and Verification
- Internal Verification
- Closeout Operations
- Prepare Final Report
- Submit Final Report to DOE

FY96  
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FY95  
A M J J A I S O N D J F M A M J J A S O N D J F M A M J J A S O

Revision: \_\_\_\_\_  
Date: \_\_\_\_\_  
Checked: \_\_\_\_\_  
Approved: \_\_\_\_\_

EG&G Rocky Flats Inc.  
WP 13003 'WHAT IF SCHEDULE'  
BUILDING 889 COMPLETE DEMOLITION

Activity Classification: Hammock/Activity  
Hammock Level: 1

Plot Date: 7DEC94  
Data Date: 5DEC94  
Project Start: 1APR94  
Project Finish: 14OCT96

Activity Bar/Early Dates  
Critical Activity  
Program Bar  
Milestone/Tag Activity

DRIL

(c) Primavera Systems, Inc.

ACTIVITY ID	ACTIVITY DESCRIPTION	EARLY START	EARLY FINISH	ORIG DUR	REM DUR
P5_50172	DOE Review and Comment	26AUG96	16SEP96	15	15
P5_50173	Incorporate Comments	17SEP96	23SEP96	5	5
P5_50174	Independent Contractor Verification	24SEP96	30SEP96	5	5
P5_50175	Incorporate Comments	1OCT96	7OCT96	5	5
P5_50176	ICV Submits Verification Report to DOE	7OCT96	7OCT96	0	0
P5_50177	DOE Review Project Closeout	8OCT96	14OCT96	5	5
P5_50178	DOE Approve Project Closure	14OCT96	14OCT96	0	0
<b>Radiological Plan and Survey</b>					
P5_50051	Sampling and Analysis/ALARA Plan	27MAY94A	21NOV94A	124	0
P5_50052	Prepare Sampling and Analysis/ALARA Plan	27MAY94A	20JUL94A	11	0
P5_50053	Internal Review Sampling/ALARA Plan	26JUL94A	5AUG94A	10	0
P5_50054	Incorporate Comments	8AUG94A	12AUG94A	5	0
P5_50055	Submit Sampling Plan to DOE	12AUG94A	12AUG94A	0	0
P5_50056	DOE Review and Comment on Sampling Plan	12AUG94A	17AUG94A	15	0
P5_50057	Incorporate Comments and Finalize	18AUG94A	21NOV94A	5	0
P5_50059	Radiological Survey Removable Equipment	17OCT94A	16JAN95	30	25
P5_50058	Build Scaffolding/Construct Radiological Grid	28OCT94A	21NOV94A	10	0
P5_50060	Radiological Survey of Fixed Equipment	23NOV94A	22DEC94	22	14
P5_50070	Continued RCT Support for Project	5DEC94	9AUG96	419	419
P5_50061	Survey Interior of Building	5DEC94	23JAN95	30	30
P5_50062	Radiological/ALARA Report	24JAN95	27FEB95	25	25
P5_50063	Prepare Radiological/ALARA Report	24JAN95	30JAN95	5	5
P5_50064	Submit to DOE for Review	30JAN95	30JAN95	0	0
P5_50065	DOE Review Radiological/ALARA Report	31JAN95	20FEB95	15	15
P5_50066	Incorporate Comments	21FEB95	27FEB95	5	5
<b>Hazardous Material Assessment</b>					
P5_50073	Hazardous Material Assessment	5JUL94A		106	0
P5_50074	Prepare Hazardous Material Survey Plan	5JUL94A	14SEP94A	15	0
P5_50075	Review Hazardous Material Survey Plan	30AUG94A	22SEP94A	10	0
P5_50076	Incorporate Comments	23SEP94A	29SEP94A	5	0
P5_50082	Conduct Hazardous Material Survey	24OCT94A	27OCT94A	5	0
P5_50091	Prepare Hazardous Material/Asbestos Asst Report	31OCT94A	17NOV94A	10	0
P5_50093	Incorp Haz Material/Asbestos Asst Rpt Comments	1NOV94A	17NOV94A	5	0
P5_50092	Review Hazardous Material/Asbestos Asst Report	18NOV94A	5DEC94	5	1
P5_50094	Submit Haz Material/Asbestos Asst Rpt to DOE	5DEC94	2DEC94	0	0
P5_50096	Asbestos Removal Activities	3JAN95	6MAR95	45	45
P5_50095	Asbestos Sampling	3JAN95	9JAN95	5	5
P5_50100	Analyze Samples	16JAN95	6FEB95	20	20
P5_50110	Develop Asbestos Results Report	7FEB95	20FEB95	10	10
P5_50115	Submit Asbestos Results Report	20FEB95	20FEB95	0	0
P5_50116	Asbestos Removal	21FEB95	6MAR95	10	10
<b>Readiness Review</b>					
P5_50130	Readiness Review Checklist	3NOV94A	23FEB95	73	53

FY94 FY95 FY96  
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**Project Management**  
 DOE Review and Comment  
 Incorporate Comments  
 Independent Contractor Verification  
 Incorporate Comments  
 ICV Submits Verification Report to DOE  
 DOE Review Project Closeout  
 DOE Approve Project Closure

**Radiological Plan and Survey**  
 Sampling and Analysis/ALARA Plan  
 Prepare Sampling and Analysis/ALARA Plan  
 Internal Review Sampling/ALARA Plan  
 Incorporate Comments  
 Submit Sampling Plan to DOE  
 DOE Review and Comment on Sampling Plan  
 Incorporate Comments and Finalize  
 Radiological Survey Removable Equipment  
 Build Scaffolding/Construct Radiological Grid  
 Radiological Survey of Fixed Equipment  
 Survey Interior of Building  
 Radiological/ALARA Report  
 Prepare Radiological/ALARA Report  
 Submit to DOE for Review  
 DOE Review Radiological/ALARA Report  
 Incorporate Comments

**Hazardous Material Assessment**  
 Hazardous Material Assessment  
 Prepare Hazardous Material Survey Plan  
 Review Hazardous Material Survey Plan  
 Incorporate Comments  
 Conduct Hazardous Material Survey  
 Prepare Hazardous Material/Asbestos Asst Report  
 Incorp Haz Material/Asbestos Asst Rpt Comments  
 Review Hazardous Material/Asbestos Asst Report  
 Submit Haz Material/Asbestos Asst Rpt to DOE  
 Asbestos Removal Activities  
 Asbestos Sampling  
 Analyze Samples  
 Develop Asbestos Results Report  
 Submit Asbestos Results Report  
 Asbestos Removal

**Readiness Review**  
 Readiness Review Checklist

Activity Classification: Hammock/Activity  
 Hammock Level 1  
 Hammock Level 2  
 Activity Bar/Early Dates  
 Data Date  
 Project Start  
 Project Finish

DRIL  
 Activity Bar/Early Dates  
 Project Start  
 Milestone/Flag Activity

EG&G Rocky Flats Inc.  
 WP 13003 'WHAT IF SCHEDULE'  
 BUILDING 889 COMPLETE DEMOLITION

Sheet 6 of 7

Date	Revision	Checked	Approved



Project Name: DRIL  
REPORT DATE 07DEC94

DECONTAMINATION AND DECOMMISSIONING  
WORK PACKAGE 13003 PILOT PROJECT #5

08:41 RUN NO. 360

FY1995 RESOURCE REPORT

PAGE NO. 1

ACTIVITY	DESCRIPTION	RESOURCE	LABOR HOURS	NON-LABO DOLLARS	BURDENED DOLLARS	DIRECT RECOVERY	CONTINGENCY	TOTAL
206	Revise Davis-Bacon Determination	03078750	20	0	1714	0	0	1714
			20	0	1714	0	0	1714
308	FY95 Project Management Building 889	03078750	873	0	74816	0	0	74816
		00407750	2000	0	183680	0	0	183680
		00407A5M	0	2530	2801	0	0	2801
			2873	2530	261297	0	0	261297
460	Building Walkdowns	03078750	1350	0	115695	0	0	115695
			1350	0	115695	0	0	115695
461	RCRA Inspections	03078750	500	0	42850	0	0	42850
			500	0	42850	0	0	42850
462	Maintenance	03078750	832	0	71302	0	0	71302
		03078A5C	0	10000	11070	1827	0	12897
			832	10000	82372	1827	0	84199
207	Davis-Bacon Determinations	03078750	40	0	3428	0	0	3428
			40	0	3428	0	0	3428
209	Reapply to SURB - Prepare documentation	03078750	16	0	1371	0	0	1371
			16	0	1371	0	0	1371
210	SURB Review	03078750	16	0	1371	0	0	1371
			16	0	1371	0	0	1371
224	Estimate Waste Types and Volumes	03078750	40	0	3428	0	0	3428
		03014750	40	0	3329	0	0	3329
		03008750	20	0	1743	0	0	1743

Project Name: DRIL  
REPORT DATE 07DEC94  
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DECONTAMINATION AND DECOMMISSIONING  
WORK PACKAGE 13003 PILOT PROJECT #5  
FY1995 RESOURCE REPORT

PAGE NO. 2

ACTIVITY	DESCRIPTION	RESOURCE	LABOR HOURS	NON-LABO DOLLARS	BURDENED DOLLARS	DIRECT RECOVERY	CONTINGENCY	TOTAL
			100	0	8500	0	0	8500
225	Prepare New Rad. Evaluation	03078750	40	0	3428	0	0	3428
			40	0	3428	0	0	3428
119	IWCP Development (C) - Furniture Removal	00272750	1	0	88	0	0	88
		00274750	1	0	77	0	0	77
		00280750	1	0	86	0	0	86
		00281750	1	0	88	0	0	88
		00282750	1	0	85	0	0	85
		00415750	2	0	172	0	0	172
		03012750	2	0	164	0	0	164
		03078750	15	0	1286	0	0	1286
			24	0	2045	0	0	2045
104	EO - Utilities Removal (Water, Electrical, Etc.)	00280750	60	0	5147	0	0	5147
		00281750	30	0	2630	0	0	2630
		00282750	60	0	5072	0	0	5072
		00283750	30	0	3479	0	0	3479
		03078750	30	0	2571	0	0	2571
			210	0	18899	0	0	18899
200	Revise Environmental Checklist	00205750	40	0	3428	0	0	3428
		03078750	20	0	1714	0	0	1714
		00209750	20	0	1699	0	0	1699
			80	0	6841	0	0	6841
280	Remove Furniture (Admin. Area)	00327750	80	0	6026	0	0	6026
		03078750	20	0	1714	0	0	1714
			100	0	7740	0	0	7740

Project Name: DRIL  
REPORT DATE 07DEC94

DECONTAMINATION AND DECOMMISSIONING  
WORK PACKAGE 13003 PILOT PROJECT #5

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FY1995 RESOURCE REPORT

PAGE NO. 3

ACTIVITY	DESCRIPTION	RESOURCE	LABOR HOURS	NON-LABO DOLLARS	BURDENED DOLLARS	DIRECT RECOVERY	CONTINGENCY	TOTAL
110 EO - Trailer T889A Removal		00280750	30	0	2574	0	0	2574
		00281750	15	0	1315	0	0	1315
		00282750	30	0	2536	0	0	2536
		00283750	15	0	1740	0	0	1740
		03078750	15	0	1286	0	0	1286
			105	0	9450	0	0	9450
106 IWCP Development (B) - Utilities Removal		00274750	3	0	231	0	0	231
		00274A5C	0	30	33	5	0	39
		00280750	36	0	3088	0	0	3088
		00281750	35	0	3068	0	0	3068
		00282750	36	0	3043	0	0	3043
		00415750	12	0	1033	0	0	1033
		03012750	14	0	1148	0	0	1148
	03078750	30	0	2571	0	0	2571	
			166	30	14216	5	0	14222
201 Prepare Categorical Exclusion		00205750	40	0	3428	0	0	3428
		03078750	10	0	857	0	0	857
			50	0	4285	0	0	4285
101 EO - HVAC Removal		00280750	60	0	5147	0	0	5147
		00281750	30	0	2630	0	0	2630
		00282750	60	0	5072	0	0	5072
		00283750	30	0	3479	0	0	3479
		03078750	30	0	2571	0	0	2571
			210	0	18899	0	0	18899
203 DOE Review and Comment on CX		00205750	10	0	857	0	0	857
		03078750	16	0	1371	0	0	1371
			26	0	2228	0	0	2228
240 Develop Lessons Learned		00407750	24	0	2204	0	0	2204
		03078750	8	0	686	0	0	686

Project Name: DRIL  
REPORT DATE 07DEC94

DECONTAMINATION AND DECOMMISSIONING  
WORK PACKAGE 13003 PILOT PROJECT #5

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FY1995 RESOURCE REPORT

PAGE NO. 4

ACTIVITY	DESCRIPTION	RESOURCE	LABOR HOURS	NON-LABO DOLLARS	BURDENED DOLLARS	DIRECT RECOVERY	CONTINGENCY	TOTAL
			32	0	2890	0	0	2890
P5	50095 Asbestos Sampling	00379750	45	0	3698	0	0	3698
		00425750	45	0	3770	0	0	3770
		03003750	90	0	7431	0	0	7431
		00463750	45	0	3720	0	0	3720
			225	0	18619	0	0	18619
112	IWCP Development (C) - Trailer	00272750	1	0	88	0	0	88
	T889A Removal	00274750	1	0	77	0	0	77
		00280750	1	0	86	0	0	86
		00281750	1	0	88	0	0	88
		00282750	1	0	85	0	0	85
		00415750	2	0	172	0	0	172
		03012750	2	0	164	0	0	164
		03078750	15	0	1286	0	0	1286
			24	0	2045	0	0	2045
315	Develop Statement of Work (SOW)	03078750	60	0	5142	0	0	5142
		00281750	40	0	3507	0	0	3507
		00282750	40	0	3381	0	0	3381
		00407750	120	0	11021	0	0	11021
			260	0	23051	0	0	23051
600	Develop Statement of Work (SOW)	00280750	40	0	3432	0	0	3432
		00281750	40	0	3507	0	0	3507
		00282750	40	0	3381	0	0	3381
		00407750	20	0	1837	0	0	1837
		03078750	20	0	1714	0	0	1714
			160	0	13870	0	0	13870
105	Safety Screen - Utilities Removal	03081750	8	0	680	0	0	680
			8	0	680	0	0	680

Project Name: DRIL  
REPORT DATE 07DEC94  
08:41 RUN NO. 360

DECONTAMINATION AND DECOMMISSIONING  
WORK PACKAGE 13003 PILOT PROJECT #5  
FY1995 RESOURCE REPORT

PAGE NO. 5

ACTIVITY	DESCRIPTION	RESOURCE	LABOR HOURS	NON-LABO DOLLARS	BURDENED DOLLARS	DIRECT RECOVERY	CONTINGENCY	TOTAL
113 EO - Filter Plenum Removal		00280750	60	0	5147	0	0	5147
		00281750	30	0	2630	0	0	2630
		00282750	60	0	5072	0	0	5072
		00283750	30	0	3479	0	0	3479
		03078750	30	0	2571	0	0	2571
			210	0	18899	0	0	18899
P5 50100 Analyze Samples		00407A5H	0	18000	19926	1594	0	21520
			0	18000	19926	1594	0	21520
204 Incorporate Comments and Finalize		00205750	16	0	1371	0	0	1371
CX		03078750	16	0	1371	0	0	1371
			32	0	2742	0	0	2742
103 IWCP Development (B) - HVAC Removal		00274750	3	0	231	0	0	231
		00274A5C	0	30	33	5	0	39
		00280750	36	0	3088	0	0	3088
		00281750	35	0	3068	0	0	3068
		00282750	36	0	3043	0	0	3043
		00415750	12	0	1033	0	0	1033
		03012750	14	0	1148	0	0	1148
		03078750	30	0	2571	0	0	2571
			166	30	14216	5	0	14222
111 Safety Screen - Trailer T889A Removal		03081750	8	0	680	0	0	680
			8	0	680	0	0	680
116 EO - Structure Removal		00280750	100	0	8579	0	0	8579
		00281750	100	0	8767	0	0	8767
		00282750	100	0	8453	0	0	8453
		00283750	100	0	11597	0	0	11597
		03078750	100	0	8570	0	0	8570
		00407750	100	0	9184	0	0	9184

Project Name: DRIL

DECONTAMINATION AND DECOMMISSIONING

REPORT DATE 07DEC94

WORK PACKAGE 13003 PILOT PROJECT #5

08:41 RUN NO. 360

FY1995 RESOURCE REPORT

PAGE NO. 6

ACTIVITY	DESCRIPTION	RESOURCE	LABOR HOURS	NON-LABO DOLLARS	BURDENED DOLLARS	DIRECT RECOVERY	CONTINGENCY	TOTAL
			600	0	55150	0	0	55150
320	Solicit SOW to Bidders	00407A5H	0	65000	71955	5756	0	77711
		03078750	9	0	771	0	0	771
			9	65000	72726	5756	0	78483
605	Solicit SOW to Bidders	00407750	9	0	827	0	0	827
		03078750	9	0	771	0	0	771
			18	0	1598	0	0	1598
115	IWCP Development (B) - Filter Plenum Removal	00274750	3	0	231	0	0	231
		00274A5C	0	30	33	5	0	39
		00280750	36	0	3088	0	0	3088
		00281750	35	0	3068	0	0	3068
		00282750	36	0	3043	0	0	3043
		00415750	12	0	1033	0	0	1033
		03012750	14	0	1148	0	0	1148
		03078750	30	0	2571	0	0	2571
			166	30	14216	5	0	14222
102	Safety Screen - HVAC Removal	03081750	8	0	680	0	0	680
			8	0	680	0	0	680
P5	50110 Develop Asbestos Results Report	00425750	180	0	15079	0	0	15079
			180	0	15079	0	0	15079
325	Evaluate Bidders	00407A5H	0	10800	11956	956	0	12912
		03078750	40	0	3428	0	0	3428
			40	10800	15384	956	0	16340
610	Evaluate Bidders	00407750	40	0	3674	0	0	3674
		03078750	40	0	3428	0	0	3428

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ACTIVITY	DESCRIPTION	RESOURCE	LABOR HOURS	NON-LABO DOLLARS	BURDENED DOLLARS	DIRECT RECOVERY	CONTINGENCY	TOTAL
			80	0	7102	0	0	7102
330	Award Contract	00407750	9	0	827	0	0	827
			9	0	827	0	0	827
615	Award Contract	00407750	9	0	827	0	0	827
			9	0	827	0	0	827
114	Safety Screen Filter Plenum Removal	03081750	8	0	680	0	0	680
			8	0	680	0	0	680
P5 50116	Asbestos Removal	00407A5H	0	50000	55350	4428	0	59778
			0	50000	55350	4428	0	59778
910	External D&D Work Plan	00407A5H	0	54000	59778	4782	0	64560
			0	54000	59778	4782	0	64560
505	Develop Chemical Assessment Plan for B889	03078750	20	0	1714	0	0	1714
			20	0	1714	0	0	1714
405	Develop PAM	00407A5H	0	65000	71955	5756	0	77711
		00407750	156	0	14327	0	0	14327
		03021750	12	0	955	0	0	955
		00249750	80	0	6558	0	0	6558
		03078750	36	0	3085	0	0	3085
			284	65000	96880	5756	0	102636

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ACTIVITY	DESCRIPTION	RESOURCE	LABOR HOURS	NON-LABO DOLLARS	BURDENED DOLLARS	DIRECT RECOVERY	CONTINGENCY	TOTAL
305 Develop RCRA Closure		00407A5H	0	65000	71955	5756	0	77711
		00407750	156	0	14327	0	0	14327
		03021750	12	0	955	0	0	955
		00249750	80	0	6558	0	0	6558
		03078750	36	0	3085	0	0	3085
			284	65000	96880	5756	0	102636
301 Remove Equipment from Room 112		00463750	40	0	3306	0	0	3306
		03078750	10	0	857	0	0	857
			50	0	4163	0	0	4163
915 EG&G Review		00407750	27	0	2480	0	0	2480
		03078750	27	0	2314	0	0	2314
		00248750	27	0	2124	0	0	2124
		03021750	27	0	2148	0	0	2148
			108	0	9066	0	0	9066
300 Remove Equipment from RCA		00463750	40	0	3306	0	0	3306
		03078750	20	0	1714	0	0	1714
			60	0	5020	0	0	5020
510 EG&G Review of Chemical Assessment Plan for B889		00407750	18	0	1653	0	0	1653
		03021750	27	0	2148	0	0	2148
		00248750	18	0	1416	0	0	1416
		00393750	40	0	3157	0	0	3157
			103	0	8374	0	0	8374
920 Incorporate Comments		00407A5H	0	10800	11956	956	0	12912
			0	10800	11956	956	0	12912

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ACTIVITY	DESCRIPTION	RESOURCE	LABOR HOURS	NON-LABO DOLLARS	BURDENED DOLLARS	DIRECT RECOVERY	CONTINGENCY	TOTAL
930 Review Revised Work Plan		00407750	9	0	827	0	0	827
		03078750	9	0	771	0	0	771
		00248750	9	0	708	0	0	708
		03021750	9	0	716	0	0	716
			36	0	3022	0	0	3022
515 Incorporate EG&G Comments		03078750	40	0	3428	0	0	3428
			40	0	3428	0	0	3428
241 Develop Lessons Learned		00407750	24	0	2204	0	0	2204
		03078750	8	0	686	0	0	686
			32	0	2890	0	0	2890
302 Disconnect Elec. and Remove HVAC from 104 Mezz.		00463750	40	0	3306	0	0	3306
		03078750	20	0	1714	0	0	1714
			60	0	5020	0	0	5020
415 Public Comment Period		00407A5H	0	4700	5203	416	0	5619
			0	4700	5203	416	0	5619
815 Public Comment Period		00407A5H	0	4700	5203	416	0	5619
			0	4700	5203	416	0	5619
525 Develop IWCP(C) for Chemical Assessment of B889		03012750	3	0	246	0	0	246
			3	0	246	0	0	246
303 Disconnect Elec. and Remove Crusher & Baler		00463750	40	0	3306	0	0	3306
		03078750	20	0	1714	0	0	1714
			60	0	5020	0	0	5020

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ACTIVITY	DESCRIPTION	RESOURCE	LABOR HOURS	NON-LABO DOLLARS	BURDENED DOLLARS	DIRECT RECOVERY	CONTINGENCY	TOTAL
530	Develop SOW for Chemical Assessment	03078750	40	0	3428	0	0	3428
			40	0	3428	0	0	3428
304	Disconnect Elec. and Remove Health Physics	00463750	35	0	2893	0	0	2893
		03078750	15	0	1286	0	0	1286
			50	0	4179	0	0	4179
305	Disconnect Utilities and Steam Service to Rm 106	00463750	30	0	2480	0	0	2480
		03078750	10	0	857	0	0	857
			40	0	3337	0	0	3337
535	Solicit Subcontractors to Perform Chem. Assess.	03078750	20	0	1714	0	0	1714
			20	0	1714	0	0	1714
307	Disconnect and Remove HVAC from Rm 105	00463750	20	0	1653	0	0	1653
		03078750	10	0	857	0	0	857
			30	0	2510	0	0	2510
306	Remove Process Waste Piping from Rm 112 to 106	00463750	40	0	3306	0	0	3306
		03078750	20	0	1714	0	0	1714
			60	0	5020	0	0	5020
420	Incorp. Comments/Prepare Respons. Summ.	00407A5H	0	10800	11956	956	0	12912
		00407750	27	0	2480	0	0	2480
		03078750	18	0	1543	0	0	1543
		00249750	18	0	1475	0	0	1475
			63	10800	17453	956	0	18410

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ACTIVITY	DESCRIPTION	RESOURCE	LABOR HOURS	NON-LABO DOLLARS	BURDENED DOLLARS	DIRECT RECOVERY	CONTINGENCY	TOTAL
820	Incorp. Comments/Prepare Respons.	00407750	27	0	2480	0	0	2480
	Summ.	03078750	18	0	1543	0	0	1543
		00249750	18	0	1475	0	0	1475
		00407A5H	0	10800	11956	956	0	12912
			63	10800	17453	956	0	18410
540	Evaluate SOW Bidders	03078750	30	0	2571	0	0	2571
			30	0	2571	0	0	2571
285	Disconnect Utilities from Building	00463750	80	0	6613	0	0	6613
		00425750	8	0	670	0	0	670
		03078750	8	0	686	0	0	686
			96	0	7969	0	0	7969
545	Award Contract	03078750	18	0	1543	0	0	1543
			18	0	1543	0	0	1543
620	Mobilize Field Crew	00407A5H	0	43200	47822	3826	0	51648
			0	43200	47822	3826	0	51648
287	Remove Electrical Conduit, Water Pipes, Etc.	00463750	480	0	39677	0	0	39677
		03078750	60	0	5142	0	0	5142
			540	0	44819	0	0	44819
430	CDH/EPA Approval Period	00407750	4	0	367	0	0	367
			4	0	367	0	0	367
830	CDH/EPA Approval Period	00407750	4	0	367	0	0	367
			4	0	367	0	0	367

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ACTIVITY	DESCRIPTION	RESOURCE	LABOR HOURS	NON-LABO DOLLARS	BURDENED DOLLARS	DIRECT RECOVERY	CONTINGENCY	TOTAL
271 Disconnect Utilities to Trailer T889A		00463750	80	0	6613	0	0	6613
		00425750	20	0	1675	0	0	1675
		03078750	20	0	1714	0	0	1714
			120	0	10002	0	0	10002
435 Incorporate Comments		00407750	9	0	827	0	0	827
		00407A5H	0	7200	7970	638	0	8608
			9	7200	8797	638	0	9435
835 Incorporate Comments		00407750	9	0	827	0	0	827
		00407A5H	0	7200	7970	638	0	8608
			9	7200	8797	638	0	9435
272 Relocate Trailer T889A		00327750	20	0	1507	0	0	1507
		00328750	20	0	1529	0	0	1529
		00425750	10	0	838	0	0	838
		03078750	20	0	1714	0	0	1714
			70	0	5587	0	0	5587
550 Mobilize Field Crews		00407A5H	0	8100	8967	717	0	9684
				0	8100	8967	717	0
242 Develop Lessons Learned		03078750	8	0	686	0	0	686
		00407750	24	0	2204	0	0	2204
			32	0	2890	0	0	2890
555 Conduct Chemical Characterization of B889		00407A5H	0	72000	79704	6376	0	86080
		03078750	18	0	1543	0	0	1543
		00407750	20	0	1837	0	0	1837
		00379750	80	0	6574	0	0	6574
			118	72000	89658	6376	0	96034

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ACTIVITY	DESCRIPTION	RESOURCE	LABOR HOURS	NON-LABO DOLLARS	BURDENED DOLLARS	DIRECT RECOVERY	CONTINGENCY	TOTAL
288	Remove Clean Filter Plenum	00463750	480	0	39677	0	0	39677
		03078750	60	0	5142	0	0	5142
			540	0	44819	0	0	44819
560	Analyze and Validate Chem. Char. Samples of B889	00407A5H	0	30000	33210	2657	0	35867
		03027750	60	0	5222	0	0	5222
		03027A5H	0	40000	44280	3542	0	47822
		03115750	40	0	3800	0	0	3800
			100	70000	86512	6199	0	92712
261	Remove HVAC Ducts	03078750	20	0	1714	0	0	1714
		00425750	10	0	838	0	0	838
		00463750	80	0	6613	0	0	6613
			110	0	9165	0	0	9165
262	Remove Mezzanine Structure	00463750	320	0	26451	0	0	26451
		03078750	40	0	3428	0	0	3428
		00425750	20	0	1675	0	0	1675
		03008750	20	0	1743	0	0	1743
			400	0	33298	0	0	33298
565	Prepare Chemical Characterization Report	03078A5H	0	28800	31882	2551	0	34432
			0	28800	31882	2551	0	34432
570	EG&G Review for Chem. Char. Report	00407750	27	0	2480	0	0	2480
		03021750	27	0	2148	0	0	2148
		03078750	27	0	2314	0	0	2314
			81	0	6942	0	0	6942
575	Incorporate EG&G Comments	03078A5H	0	7200	7970	638	0	8608
			0	7200	7970	638	0	8608

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ACTIVITY	DESCRIPTION	RESOURCE	LABOR HOURS	NON-LABO DOLLARS	BURDENED DOLLARS	DIRECT RECOVERY	CONTINGENCY	TOTAL
243	Develop Lessons Learned	00407750	16	0	1475	0	0	1475
		03078750	5	0	459	0	0	459
			21	0	1933	0	0	1933
208	Davis-Bacon Decision	00407750	4	0	367	0	0	367
		03078750	4	0	343	0	0	343
			8	0	710	0	0	710
211	SURB Approval	03078750	0	0	0	0	0	0
			0	0	0	0	0	0
450	END Committee Review of NEPA Checklist							
705	Prepare Health & Safety Plan	00407A5H	0	45000	49815	3985	0	53800
			0	45000	49815	3985	0	53800
715	ER Coordinates Review Cycle	00248750	10	0	787	0	0	787
			10	0	787	0	0	787
725	DOE Review Health & Safety Plan	03078750	4	0	343	0	0	343
			4	0	343	0	0	343
730	Incorporate DOE Comments	03078750	8	0	686	0	0	686
		00409750	4	0	326	0	0	326
			12	0	1012	0	0	1012
720	Incorporate ER Comments	00409750	4	0	326	0	0	326
		03078750	16	0	1371	0	0	1371
			20	0	1698	0	0	1698

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ACTIVITY	DESCRIPTION	RESOURCE	LABOR HOURS	NON-LABO DOLLARS	BURDENED DOLLARS	DIRECT RECOVERY	CONTINGENCY	TOTAL
P5	50057 Incorporate Comments and Finalize	03078750	9	0	736	0	0	736
		00407750	9	0	767	0	0	767
			17	0	1503	0	0	1503
P5	50125 Incorporate Comments and Finalize Deactivation	00407750	9	0	840	0	0	840
		03078750	9	0	804	0	0	804
			19	0	1644	0	0	1644
P5	50059 Radiological Survey Removable Equipment	00379750	40	0	3287	0	0	3287
			40	0	3287	0	0	3287
P5	50082 Conduct Hazardous Material Survey	00362750	20	0	1707	0	0	1707
		03027750	24	0	2089	0	0	2089
		03014750	24	0	1997	0	0	1997
		00425750	20	0	1675	0	0	1675
			88	0	7469	0	0	7469
P5	50048 DOE Review Health & Safety Plan	00409750	4	0	326	0	0	326
		03078750	4	0	343	0	0	343
			8	0	669	0	0	669
P5	50058 Build Scaffolding/Construct Radiological Grid	00379750	40	0	3287	0	0	3287
			40	0	3287	0	0	3287
P5	50091 Prepare Hazardous Material/Asbestos Asst Report	03027750	40	0	3482	0	0	3482
		03078750	40	0	3428	0	0	3428
			80	0	6910	0	0	6910
P5	50131 Prepare Readiness Review Checklist	03078750	24	0	2057	0	0	2057
		00248750	40	0	3146	0	0	3146

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ACTIVITY	DESCRIPTION	RESOURCE	LABOR HOURS	NON-LABO DOLLARS	BURDENED DOLLARS	DIRECT RECOVERY	CONTINGENCY	TOTAL
			64	0	5203	0	0	5203
P5	50049 Incorporate DOE Comments	03078750	8	0	686	0	0	686
		00409750	4	0	326	0	0	326
			12	0	1012	0	0	1012
P5	50183 Submittal of Approved SURB to NEPA	03078750	40	0	3428	0	0	3428
		00274750	3	0	231	0	0	231
		00274A5C	0	30	33	5	0	39
		00280750	36	0	3088	0	0	3088
		00281750	35	0	3068	0	0	3068
		00282750	36	0	3043	0	0	3043
		00415750	12	0	1033	0	0	1033
		03012750	14	0	1148	0	0	1148
			176	30	15073	5	0	15079
P5	50020 Prepare Deactivation Plan for B889	00407750	40	0	3674	0	0	3674
		03078750	40	0	3428	0	0	3428
			80	0	7102	0	0	7102
P5	50060 Radiological Survey of Fixed Equipment	00379750	40	0	3287	0	0	3287
			40	0	3287	0	0	3287
P5	50061 Survey Interior of Building	00379750	40	0	3287	0	0	3287
			40	0	3287	0	0	3287

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ACTIVITY	DESCRIPTION	RESOURCE	LABOR	NON-LABO	BURDENED	DIRECT	CONTINGENCY	TOTAL
			HOURS	DOLLARS	DOLLARS	RECOVERY		
P5 50184 NEPA determination of CX or EA for D&D		03078750	40	0	3428	0	0	3428
		00274750	3	0	231	0	0	231
		00274A5C	0	30	33	5	0	39
		00280750	36	0	3088	0	0	3088
		00281750	35	0	3068	0	0	3068
		00282750	36	0	3043	0	0	3043
		00415750	12	0	1033	0	0	1033
	03012750	14	0	1148	0	0	1148	
			176	30	15073	5	0	15079
P5 50021 Issue Deactivation Plan for Review		00407750	8	0	735	0	0	735
		03078750	8	0	686	0	0	686
			16	0	1420	0	0	1420
P5 50132 Review RR Checklist		00248750	8	0	629	0	0	629
		03078750	8	0	686	0	0	686
		00248750	8	0	629	0	0	629
		00409750	8	0	653	0	0	653
		00379750	8	0	657	0	0	657
		00354750	8	0	713	0	0	713
		00425750	8	0	670	0	0	670
			56	0	4637	0	0	4637
P5 50022 Incorporate Comments and Finalize Deact Plan		00407750	16	0	1469	0	0	1469
		03078750	16	0	1371	0	0	1371
			32	0	2841	0	0	2841
P5 50133 Incorporate Comments on RR Checklist		00248750	32	0	2517	0	0	2517
			32	0	2517	0	0	2517

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ACTIVITY	DESCRIPTION	RESOURCE	LABOR HOURS	NON-LABO DOLLARS	BURDENED DOLLARS	DIRECT RECOVERY	CONTINGENCY	TOTAL
P5	50185 NEPA Decision of CX for D&D	03078750	40	0	3428	0	0	3428
		00274750	3	0	231	0	0	231
		00274A5C	0	30	33	5	0	39
		00280750	36	0	3088	0	0	3088
		00281750	35	0	3068	0	0	3068
		00282750	36	0	3043	0	0	3043
		00415750	12	0	1033	0	0	1033
		03012750	14	0	1148	0	0	1148
			176	30	15073	5	0	15079
P5	50135 DOE Review RR	00248750	8	0	629	0	0	629
			8	0	629	0	0	629
P5	50063 Prepare Radiological/ALARA Report	00409750	72	0	5877	0	0	5877
		00379750	40	0	3287	0	0	3287
			112	0	9164	0	0	9164
P5	50065 DOE Review Radiological/ALARA Report	00409750	8	0	653	0	0	653
			8	0	653	0	0	653
P5	50136 Incorporate Comments and Finalize RR Checklist	00248750	16	0	1258	0	0	1258
		03078750	8	0	686	0	0	686
			24	0	1944	0	0	1944
P5	50137 ER Review and Complete Readiness Review	00248750	8	0	629	0	0	629
		03078750	8	0	686	0	0	686
		00354750	4	0	356	0	0	356
		00379750	4	0	329	0	0	329
		00409750	4	0	326	0	0	326
		00425750	4	0	335	0	0	335
			32	0	2661	0	0	2661

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ACTIVITY	DESCRIPTION	RESOURCE	LABOR HOURS	NON-LABO DOLLARS	BURDENED DOLLARS	DIRECT RECOVERY	CONTINGENCY	TOTAL
P5	50140 DOE Review RR	00248750	8	0	629	0	0	629
			8	0	629	0	0	629
P5	50066 Incorporate Comments	00409750	20	0	1632	0	0	1632
		00425750	20	0	1675	0	0	1675
			40	0	3308	0	0	3308
P5	50180 Prepare IWCP (B) - Existing Title II Design	03078750	40	0	3428	0	0	3428
		00274750	3	0	231	0	0	231
		00274A5C	0	30	33	5	0	39
		00280750	36	0	3088	0	0	3088
		00281750	35	0	3068	0	0	3068
		00282750	36	0	3043	0	0	3043
		00415750	12	0	1033	0	0	1033
		03012750	14	0	1148	0	0	1148
			176	30	15073	5	0	15079
P5	50039 Equipment Removal (photos)	00388A5E	0	145	161	0	0	161
			0	145	161	0	0	161
P5	50047 Incorporate ER Comments	00407750	16	0	1469	0	0	1469
		03078750	16	0	1371	0	0	1371
			32	0	2841	0	0	2841
P5	50093 Incorp Haz Material/Asbestos Asst Rpt Comments	00407750	16	0	1469	0	0	1469
		03078750	16	0	1371	0	0	1371
			32	0	2841	0	0	2841
P5	50092 Review Hazardous Material/Asbestos Asst Report	03078750	4	0	343	0	0	343
		00407750	4	0	367	0	0	367
			8	0	710	0	0	710

Project Name: DRIL  
 REPORT DATE 07DEC94  
 08:41 RUN NO. 360

DECONTAMINATION AND DECOMMISSIONING  
 WORK PACKAGE 13003 PILOT PROJECT #5  
 FY1995 RESOURCE REPORT

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ACTIVITY	DESCRIPTION	RESOURCE	LABOR HOURS	NON-LABO DOLLARS	BURDENED DOLLARS	DIRECT RECOVERY	CONTINGENCY	TOTAL
P5	50146 Decontaminate Reusable Equipment	00466750	240	0	19802	0	0	19802
		00379750	60	0	4925	0	0	4925
			300	0	24727	0	0	24727
P5	50147 Remove Reusable Equipment	00466750	240	0	19802	0	0	19802
		00327750	60	0	4568	0	0	4568
			300	0	24369	0	0	24369
P5	50144 Mobilize Work Force	03078A5H	0	3120	3454	276	0	3730
		03078750	16	0	1371	0	0	1371
			16	3120	4825	276	0	5101
			15160	674305	2055693	60440	0	2116133

## OUTLINE FOR THE RCRA CLOSURE PLAN FOR SUMPS AND ANCILLARY PIPING

### I. Introduction

#### A. Description of unit to be closed

(Discuss Part A designation, description of unit, location of unit, etc.)

#### B. History of unit

(Discuss list of waste types received, known spills/releases, information on suspected contamination, etc.)

### II. Closure Performance Standards

#### A. Regulatory requirements

#### B. Closure performance standards

(Discuss the deferral of any residual soil contamination for OU 9 CAD/ROD.)

### III. Closure Activities

#### A. Explanation of Work Control Documents

(Discuss Health and Safety manual and applicable procedures, engineering package, work package, etc.)

#### B. Planned Activities

(Discuss removal of sump and piping, methods for material handling, characterization and disposition of wastes generated including: segregation of wastes, characterization, treatment/decontamination (if any), final disposal, estimation of waste volumes to be generated; and certification of closure, etc.)

### IV. Post Closure Care

(Discuss deferral of any soil contamination remediation to OU 9)

### V. Recordkeeping

(Discuss when plans will be amended, what records will be retained, how records will be controlled, etc.)

### VI. Schedule

(Discuss summary schedule and cost, major assumptions, uncertainties)

## OUTLINE FOR A PROPOSED ACTION MEMORANDUM (PAM)\*

### I. Introduction of Proposed Action

- A. Scope of Proposed Action
- B. Location of Proposed Action
- C. Schedule Overview

### II. Basis of Decision

- A. Basis for Action

(Discuss no action alternative, risks mitigated by proposed action)

- B. Alternative Evaluation

- C. Impact Analysis Long Term Remedial Action Objectives (i.e. will not prevent expected remedy)

(Discuss how proposed action is consistent with long-term remedial action objectives)

### III. Explanation of Action

- A. Description of Action

(Usually equivalent to the Statement of Work)

- B. Applicable ARARs

(Discuss applicable ARARs, if not ARARs are applicable, document why none apply.)

- C. Regulatory documents that may impact or relate to this action

(Discuss previous RCRA closures done)

- D. Request for waiver of ARARs

(Discuss why ARARs are not applicable)

- E. Performance Standards

(Discuss performance standards to be applied to proposed action)

F. Waste Management

(Discuss expected types and varieties of waste to be generated and how/where any waste will be disposed)

IV. Schedule

- A. Schedule of Proposed Action
- B. Cost of Completion of Proposed Action
- C. Assumptions and Uncertainty Analysis

V. Public Comments

- A. Schedule for Public Comments
- B. Forum for Public Comments

\* By agreement, PAMs are 6-15 pages in length.