

2542 RF 94

United States Government

Department of Energy  
Rocky Flats Field Office



DUE  
DATE

# Memorandum

062994-8

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~~000034120~~  
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ACTION

DIST.	LTR	ENC
BERMAN, H.S.		
CARNIVAL, G.J.		
COPP, R.D.		
CORDOVA, R.C.		
DAVIS, J.G.		
FERRERA, D.W.		
FRANZ, W.A.		
HANNI, B.J.		
HEALY, T.J.		
HEDAHL, T.G.		
HILBIG, J.G.		
HUTCHINS, N.M.		
KELL, R.E.		
KIRBY, W.A.		
KUESTER, A.W.		
MAHAFFEY, J.W.		
MANN, H.P.		
MARX, G.E.		
McKENNA, F.G.		
MORGAN, R.V.		
PIZZUTO, V.M.		
POTTER, G.L.		
SANDLIN, N.B.		
SATTERWHITE, D.G.		
SCHUBERT, A.L.		
SETLOCK, G.H.		
STIGER, S.G.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
SULLIVAN, M.T.		
SWANSON, E.R.		
WILKINSON, R.B.		
WILSON, J.M.		

ER:KD:07027

Transmittal of ERPCCB Meeting No. 14 Minutes

Mr. Duane Bolkey  
Configuration Control Board Secretariat  
EG&G Rocky Flats Inc.

**ADMIN RECORD**

REC'D  
CORRECTION  
JUN 27 11 00 AM '94

I have attached the minutes of the Environmental Restoration Project Configuration Control Board meeting No. 14, and any change proposals that were endorsed at that meeting.

If you have any questions, please call Frazer Lockhart at 966-7846

*Bolkey DXX*

*Adams KXX*

*Jessie M. Roberson*

Jessie M. Roberson  
Acting Assistant Manager for  
Environmental Restoration

Attachment  
cc w/Attachment:  
K. Duniphan, CRC, RFFO



CORRES CONTROL	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
ADMN RECORD/080		
PATS/T130G		

Reviewed for Addressee  
Corres. Control RFP

6/29/94 *Cm*  
DATE BY

Ref Ltr. #

DOE ORDER # 5400.1

DOCUMENT CLASSIFICATION  
REVIEW WAIVER PER  
CLASSIFICATION OFFICE



3.1. BCP No. (94-80) - Lockhart - Endorsed

- Duniphan hand carried original BCP to Marea Koning the day after the meeting, 6/21/94.

3.2. BCP No. (94-87) - Lockhart - Endorsed

- Duniphan hand carried original BCP to Marea Koning the day after the meeting, 6/21/94.

3.3. BCP No. (94-86) - Lockhart - Endorsed

- Duniphan hand carried original BCP to Marea Koning the day after the meeting, 6/21/94.

3.4. No board procedures were discussed.

4.1. BCP No. (94-84) - Grace - Endorsed by Jessie Roberson 6/15/94, approved by PCCB 6/17/94.

## ECP DESCRIPTION/JUSTIFICATION

### TITLE II DESIGN WORK PACKAGE #12185

#### REDUCTION IN FUNDING

Description: Due to the replanning efforts during the Conceptual Design, the 43 day schedule extension approved by the CDH, EPA and the DOE, and the extended 60% Title II design duration, the 90% design and 60% review will not occur until FY 95.

Justification: The schedule slip in the Title II design effort will allow for the incorporation of sludge without slipping the 'Start of Construction' IAG milestone.

Cost Reduction: (\$546,725)

#### GEOTECHNICAL ANALYSIS

Description: Perform geotechnical analysis of the north and east hillsides to determine slope stability as part of the Title II design.

Justification: This activity was not part of the original Title II baseline and has become a serious issue due to the significant increase in the volume of waste in the Engineered Barrier.

Cost Estimate: \$177,685

#### UTILITY VERIFICATION

Description: Locate all existing utilities for inclusion into the Title II design package

Justification: This activity was not part of the original Title II baseline and is required to be completed as part of the OU-4 Remediation

Cost Estimate: \$91,485

#### TECHNICAL BASELINE

Description: The revised technical baseline will provide a sub-surface groundwater drainage layer under the Engineered barrier and allow partial clean-closure of 'C' Pond.

Justification: 6CCR 1007-2 requirements, have been accepted into the ARAR's by the DOE, which requires protection of human, health and the environment for 1,000 years.

Cost Estimate: \$47,277

#### GENERAL SITE IMPROVEMENTS:

Description: Title II Design for the installation of a construction fence around the job-site, relocation of existing utilities for the construction trailers

Justification: These non-closure activities need to be performed to expedite the completion of the Remediation Construction

Cost Estimate: \$114,630

**TITLE II CONTINUED**

**INCORPORATE BUILDING 788 DISPOSITION INTO THE TITLE II DESIGN**

Description: The incorporation of Building 788 into the Title II baseline

Justification: Building 788 was not part of the IM/IRA or the Title II baseline. These activities are required as part of the OU-4 Remediation program as directed by the Colorado Department of Health.

Cost Estimate: \$56,512

**INCORPORATE SLUDGE INTO THE TITLE II DESIGN**

Description: Incorporate the inclusion of sludge under the Engineered Barrier as part of the Title II Technical Baseline.

Justification: Direction by the DOE

Cost Estimate: \$77,112

**WORK PACKAGE TOTALS**

Work Package Reduction	\$546,725
Work Package Funds Required for New Scope	\$564,702
Work Package Delta	\$ 17,977
Work Package Contingency Needed:	\$ 80,672

ECP DESCRIPTION/JUSTIFICATION

PRECONSTRUCTION  
WORK PACKAGE #12180

**REDUCTION IN FUNDING**

Description: The construction of the gate at Portal 3 and the Equipment Stripout Construction work will be performed in FY95.

Justification: Due to the slip in the start of detailed design the actual construction activities will begin in FY95. This schedule slip does not impact any IAG milestones

Cost Reduction: (\$867,895)

**SILO REMOVAL**

Description: Prepare a Statement of Work to J.A. Jones and perform sampling of the cement in the Silos for future disposition.

Justification: This non-closure activity needs to be performed to expedite the start of remediation construction.

Cost Estimate: \$102,972

**WORK PACKAGE TOTALS**

Work Package Returns on Existing Scope:	(\$867,895)
Work Package Funds Needed For New Scope:	\$102,972
Work Package Delta:	(\$764,923)
Work Package Contingency Needed:	\$ 85,199

ECP DESCRIPTION/JUSTIFICATION

IM/IRA DD  
WORK PACKAGE #12162

**ADDITIONAL REVIEW HOURS**

Description: Additional review time needed for all involved organizations

Justification: The increase in the size of the IM/IRA DD is currently larger in size than was originally budgeted.

Cost Estimate: \$103,665

**INCORPORATE SLUDGE INTO THE IM/IRA DD**

Description: Modify the Conceptual Design portion of the existing OU-4 IM/IRA DD to include the inclusion of sludge under the Engineered Barrier

Justification: Direction by the DOE

Cost Estimate: \$129,886

**WORK PACKAGE TOTALS**

Work Package Reduction	\$ 0
Work Package Funds Required for New Scope	\$233,551
Work Package Delta	\$233,551
Work Package Contingency Needed:	\$ 12,319

BCP 94-80  
WBS AA04 - ADS 1258  
Revise OU4 Design Documents to  
Incorporate New Scope, Schedule  
and Cost Proposal

Program Manager  
Cost Account (ADS) Manager  
Work Package Manager  
Central Planning & Budgets Rep  
DOE/RFFO Rep

S. G. Stiger  
S. R. Keith  
D. R. Ericson  
J. D. Zarret  
F. R. Lockhart

June, 1994:c8

 EG&G ROCKY FLATS

BCP 94-80  
SUMMARY

- DOE/RFFO directed EG&G to prepare this change in letter number AMPME:SRS:05846, dated June 3, 1994, from M. S. Karol to S. R. Keith
- Change necessary to revise current Title II and Pre-construction Technical Baselines
- Returns unspent B788 D&D Budget

June, 1994:c8

 EG&G ROCKY FLATS

## BCP 94-80 JUSTIFICATION OF CHANGE

- Incorporation of Sludge into the IM/IRA DD and Title II Design
  - Direction for changes received from RFFO
  - Necessary to establish a path-forward and negotiation position for incorporating treated sludge into the closure structure
  - A net cost avoidance of \$20 million over the life of the sub-project can be realized since the cost of packaging and shipping and disposal fees will be eliminated
  - Sludge will be dispositioned 3 to 4 years earlier than the current baseline plan

June, 1994:c0

 EG&G ROCKY FLATS

## BCP 94-80 JUSTIFICATION OF CHANGE

(CONTINUED)

- Geotechnical Analysis was not part of the Original Baseline and is now a serious issue due to the Volume of Fill Material and Waste
- Utility Verification is now Required as Part of the OU-4 Remediation
- General Site Improvements Design and Silo Removal Preparation need to be performed in order to expedite the completion of the Remediation Construction
- The Building 788 Detailed Design was not part of the Title II Baseline and is now part of OU-4 as directed by the Colorado Department of Health
- The increase in the size of the IM/IRA DD is Currently Larger than was originally budgeted for review

June, 1994:c0

 EG&G ROCKY FLATS

## BOP 94-80 IMPACT OF NON-APPROVAL

- Sludge Incorporation into IM/IRA DD
  - RFFO would have to Withdraw Request to the Regulators
  - A Potential Cost Avoidance of \$20 Million over the Life of the Project would be Lost
- Internal and External Milestones will be missed and/or jeopardized
- Review of the IM/IRA DD will be inadequate

June, 1994:c0

 EB&B ROCKY FLATS

**ROCKY FLATS - PLANT CHANGE CONTROL BOARD (PCCB)  
BASELINE CHANGE PROPOSAL (BCP)**

BCP No: 94-87  
B&R Code: EW29.021

Title: RFP, OU-4: Solar Ponds Projects, Creativ Accelerated Sludge Removal Project

1. Organization: ERM/SPP, OU-4

Program Manager	<u>S. G. Stiger</u>	Ext: <u>8540</u>	Date: _____
M&O Director	<u>S. R. Keith</u>	Ext: <u>8541</u>	Date: <u>6-14-94</u>
M&O Lead	<u>J. B. Mellen</u>	Ext: <u>8607</u>	Date: <u>6/16/94</u>
RFO Lead	<u>F. R. Lockhart</u>	Ext: <u>7846</u>	Date: <u>6/14/94</u>

2. Change Designation:  Routine  Priority PCCB Chairman \_\_\_\_\_

3. Is this a Construction (Capital or Expense Funded) or ER-MSA Project? Y/N  Y (If 'No' skip to Block 4)  
*LETTER 94-RF-06660 DATED 6-21-94  
Should Be ATTACHED*

Approvals Required: Y N  
Level I (DOE-HQ)    
Level II (BCCB/PCCB)   CED/ERD Director: \_\_\_\_\_  
DOE Program Sponsor: \_\_\_\_\_  
DOE Project Manager: \_\_\_\_\_

Signature: *F. R. Lockhart* Date: 6/21/94

4. Does This Affect the Contract Line Item (CLIN) Y/N?:  N (If "No" Skip to Block 5)

CLIN Number(s)	Scope		Schedule		Cost	
	Y	N	Y	N	Y	N
_____	<input type="checkbox"/>					

5. Baseline Impacts:

Cost Account W/P Number	Work Package Title	M&O WP Mgr Name/Init	RFO WP Mgr Name/Init	Scope Impact		Schedule Impact		Cost Impact (\$)
				Y	N	Y	N	
AA04/12142	Conceptual Design	T. d. Beckman	F. R. Lockhart	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	403,858
AA04/12189	Treatability	T. D. Schmidt	F. R. Lockhart	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	145,632
AZ01-90013	ADS 1258 Assessment Mgt. Reserve	S. G. Stiger <i>SAS</i>	F. R. Lockhart	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	-549,490
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Total:								0

6. PCCB Disposition: Y N  
PCCB Chairman:   \_\_\_\_\_  
Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Actions Required: \_\_\_\_\_

7. Contracting Officer: \_\_\_\_\_ Ext: \_\_\_\_\_ Date: \_\_\_\_\_

FOOTNOTES TO PLANT CHANGE CONTROL (PCC) AND (PCCB)  
 BASELINE CHANGE PROPOSAL (BCP)

BCP No: 24-07  
 M&R Code: PW/100

Title: RFP, OI-4: Solar Ponds Projects, Greatly Accelerated Sludge Removal Project

1. Organization	ERM/SPP, OU-4		
Program Manager	S. G. Stiger <i>SG Stiger</i>	Ext: 8540	Date: <u>6/11/04</u>
M&O Director	S. R. Keith <i>SR Keith</i>	Ext: 8541	Date: <u>6/11/04</u>
M&O Lead	J. B. Mellen <i>JBMellen</i>	Ext: 8607	Date: <u>6/11/04</u>
RFO Lead	F. R. Lockhart	Ext: 7846	Date: _____

2. Change Designation:  Routine  Priority PCCB Chairman \_\_\_\_\_

3. Is this a Construction (Capital or Expense Funded) or ER-MSA Project? Y/N  Y (If "No" skip to Block 4.)

Approvals Required: Y N  
 Level I (DOE-HQ)    
 Level II (BCCB/PjCCB)   CED/ERD Director: \_\_\_\_\_  
 Signature \_\_\_\_\_ Date \_\_\_\_\_

4. Does This Affect the Contract Line Item (CLIN) Y/N?:  N (If "No" skip to Block 5)

CLIN Number(s)	Scope		Schedule		Cost	
	Y	N	Y	N	Y	N
_____	<input type="checkbox"/>					

5. Baseline Impacts:

Cost Account W/P Number	Work Package Title	M&O W/P Mgr Name/Init	RFO W/P Mgr Name/Init	Scope Impact		Schedule Impact		Cost Impact (\$)
				Y	N	Y	N	
AA04/12142	Conceptual Design	T. d. Beckman <i>TDB</i>	F. R. Lockhart <i>FL</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	403,858
AA04/12189	Treatability	T. D. Schmitt <i>TDS</i>	F. R. Lockhart <i>FL</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	145,632
AZ01-90013	ADS 1255 Assessment Mgt. Reserve	S. G. Stiger <i>SGS</i>	F. R. Lockhart <i>FL</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	-549,490
_____	_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
_____	_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
Total:								0

6. PCCB Disposition:

PCCB Chairman:  Y  N  
 Signature \_\_\_\_\_ Date \_\_\_\_\_

Actions Required:

7. Contracting Officer: \_\_\_\_\_ Ext: \_\_\_\_\_ Date: \_\_\_\_\_

12/54

ROCKY FLATS - PLANT CHANGE CONTROL BOARD (RCCB)  
 BASELINE CHANGE PROPOSAL (BCP)

New MCS WP: Y/N

BCP No: 94-87

8. Description of Change: (For each Work Package include the Work Package approved budget.)  
 Y/N - Does this change affect any of the following: DOE Milestones, HQ's agreements, external agency understanding, regulation compliance, or the site mission. If yes, include explanation of affect.

RFFO has directed EG&G to prepare this change in letter AMPME:SRS:05846, dated June 3, 1994, from M. S. Karol to S. R. Keith. This BCP will accelerate work previously planned for future years and modify the subproject plans to allow the project to begin sludge preprocessing preparations this fiscal year. We are proposing to process sludge for disposal on site in the Phase I Remediation. This change is for the sludge portion and BCP-94-80 addresses the impacts to remediation. BCP 94-80 proposes to return \$742,025 to management reserve which will be used in part to fund this proposal. Individual work package scope is identified as follows:

WP 12142 (Conceptual Design) - This activity will be performed to prepare existing data for use in closure modeling and design, prepare a Statement of Work to retain MTS engineering expertise for sludge treatment, prepare a conceptual design for treatment for incorporation into the Decision Document on the closure, prepare cost and schedule documents for Title II and Title III, begin quality plan preparation, and manage the conceptual design for sludge treatment to produce a final waste form compliant with RCRA Land Disposal Restrictions. This BCP will create a new work package with budget of \$403,858.

WP 12189 (Treatability) - This activity will prepare the statement of Work to retain MTS engineering expertise for sludge treatment and will complete the Pond A/B treatability study. This BCP will create a new work package with budget of \$145,632.

9. Justification of Change:

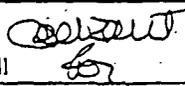
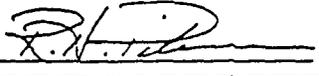
Direction for these changes has been received from RFFO.

The changes are necessary to establish a path-forward and negotiating position for incorporating treated sludge into the closure structure. RFFO has requested the scope change and extension dates, and this work will be necessary to support RFFO's pursuit of that request. A net cost avoidance of \$20 million over the life of the subproject can be realized if the regulators accept this change and implementation proceeds since the cost of packaging and shipping and disposal fees will be eliminated. The sludge will also be dispositioned 3 to 4 years earlier than the current baseline plan which in turn will alleviate extra years of storage.

10. Impact if not Approved:

RFFO would have to withdraw their request to the regulators. A potential cost avoidance of \$20 million over the life of the project would be lost.

11. Central Planning & Budgets:

CP&B Representative	<u>J. E. Pennell</u> 	Ext: <u>6943</u>	Approval Date: _____
CP&B Manager	<u>R. H. Piburn</u> 	Ext: <u>6937</u>	Approval Date: <u>6-14-94</u>

12. Database Updates:

EG&G Change Control Coord:	_____	Ext: _____	Approval Date: _____
EG&G Project Control Office:	_____	Ext: _____	Approval Date: _____

Baseline Change Proposal (BCP)

1. Contractor BCP Number: <u>ERM-076-94</u>	2. Originator (Name & Ext): J. E. Pennell X6943	3. Date initiated: <u>6/7/94</u>																								
4. BCP Title: RFP, OU4: Solar Ponds Projects, Greatly Accelerated Sludge Removal Project	5. Cognizant Mgr. (Name & Ext): S. R. Keith X8541  <i>S.R. Keith</i> _____ Concurrence & Date	6. Central Planning & Budgeting (Name & Ext): J. E. Pennell X6943  <i>J. E. Pennell</i> _____ Concurrence & Date																								
7. Priority Designation:  Emergency <input checked="" type="checkbox"/> _____ Priority <input type="checkbox"/> _____ Routine <input type="checkbox"/> _____	8. Approval Authority:  Class 1 <input checked="" type="checkbox"/> _____ Class 2 <input type="checkbox"/> _____ Class 3 <input type="checkbox"/> _____	9. Baseline Type  Cost <input checked="" type="checkbox"/> _____ Schedule <input checked="" type="checkbox"/> _____ Technical <input checked="" type="checkbox"/> _____																								
10. Change Description: <u>See Attached</u>																										
11. Justification for Change: <u>See Attached</u>																										
12. Impact of Non-Approval: <u>See Attached</u>																										
13. Baseline Impact Details:																										
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">WBS Number</th> <th style="text-align: left;">WBS Title</th> <th style="text-align: left;">Cog. Mgr. Signature</th> <th style="text-align: left;">Scope Impact Y/N</th> <th style="text-align: left;">Sched. Impact Y/N</th> <th style="text-align: left;">Cost Impact ( \$ )</th> </tr> </thead> <tbody> <tr> <td>AA04/12142</td> <td>Conceptual Design</td> <td></td> <td align="center">Y</td> <td align="center">Y</td> <td align="right">403,858</td> </tr> <tr> <td>AA04/12189</td> <td>Treatability</td> <td></td> <td align="center">Y</td> <td align="center">Y</td> <td align="right">145,632</td> </tr> <tr> <td>AZ01/90013</td> <td>ADS 1258 SPP Reserve</td> <td></td> <td align="center">N</td> <td align="center">N</td> <td align="right">(549,490)</td> </tr> </tbody> </table>	WBS Number	WBS Title	Cog. Mgr. Signature	Scope Impact Y/N	Sched. Impact Y/N	Cost Impact ( \$ )	AA04/12142	Conceptual Design		Y	Y	403,858	AA04/12189	Treatability		Y	Y	145,632	AZ01/90013	ADS 1258 SPP Reserve		N	N	(549,490)		
WBS Number	WBS Title	Cog. Mgr. Signature	Scope Impact Y/N	Sched. Impact Y/N	Cost Impact ( \$ )																					
AA04/12142	Conceptual Design		Y	Y	403,858																					
AA04/12189	Treatability		Y	Y	145,632																					
AZ01/90013	ADS 1258 SPP Reserve		N	N	(549,490)																					
Funded By: <input checked="" type="checkbox"/> MR; <input type="checkbox"/> Con't; <input type="checkbox"/> Authorized Funds																										
Cost Total: <u>0</u>																										
14. CCCB (Class 3) BCP Action:																										
<input type="checkbox"/> Approved <input type="checkbox"/> Cond. Approved <input type="checkbox"/> Info. Requested <input type="checkbox"/> Disapproved <input type="checkbox"/> Endorsed																										
_____ ER Deputy Project Manager Date																										
15. CCCB (Class <u>L</u> ) BCP Action:																										
<input checked="" type="checkbox"/> Approved <input type="checkbox"/> Cond. Approved <input type="checkbox"/> Info. Requested <input type="checkbox"/> Disapproved <input type="checkbox"/> Endorsed																										
<u>Conditional Approval:</u> EGIG concerns related to this endorsement are documented in Stiguer to Roberson letter SGS-364, dated _____. <i>[Signature]</i> _____ CCCB Chairperson Date																										
_____ PjCCB Chairperson Date																										

14/54

FUNDS SOURCE: EW20  
 FUNDS SOURCE MANAGER: S. C. STIGER

Priority	Title of the Unfunded Activity	WBS CA-WP	FY94	COMMITTED, PENDING, DENIED	DELTA	MGMT RESERVE	BCP #
						\$6,611,116	
1	IA TANK CHARACTERIZATION/ACCEL CLEAN-UP (3)	12611/12350	\$141,200	\$141,200		6,469,916	
2	WASTE HANDLING (3)	12952	\$422,500	\$422,500		6,047,416	
2	SLUDGE DISPOSAL (10)	AA04-12142,12189	\$549,490	\$549,490	Condit Approv	5,497,926	94-87
4	OU2 IMVIRA WP REVISION/SCOPE ADDITIONS (8)	AA02-	\$1,280,000	\$1,280,000		4,767,416	
5	ACCELERATED CLEANUP (6)	AE02-	\$2,553,254	\$2,553,254		2,214,162	
	- OU-1 HOT SPOT REMOVAL	AE02-12979	\$278,514	approved			94-71
	- B-3 POND PIPING	AE02-12976	\$254,240				94-76
	- SPRINKLER PIPE	AE02-12976	\$804,500				
	- SOIL/REMEDIATION/TANK REMOVAL	AE02-12977	\$1,216,000				94-69
6	OPERATIONS & MANAGEMENT (8)	AA02-12050	\$33,851				
7	OU4 RETURN TO M/R (10)	AA04-12180,12183	(\$742,025)	(\$742,025)		2,956,187	94-80
8	ENHANCE IA GROUND WATER	AA21-NEW	\$400,000				
9	POST CLOSURE LAND-USE (18)	AA19-12854	\$460,000				
10	RECORDS MANAGEMENT IMAGING (18)	AC02-12198	\$1,567,200				
11	WATER MONITORING STATION UPGRADES (18)	AA18-79851	\$450,000				
12	TITLE I DESIGN POWER TO PONDS (18)	AA18-12852	\$75,000				
13	U-238 COLUMN TESTING (18)	AA21-NEW	\$400,000				
14	IN-SITU (18)	AA21-NEW	\$400,000				
:	POTENTIAL AREA OF CONTAMINATION/ACCEL CLEAN-UP (6)	AE02-	\$10,000,000				
:	ER VISTOR CENTER (6)	AE02-	\$1,500,000				
:	OU4 SITE CLEAN UP/ACCEL CLEAN-UP (6)	AE02-	\$1,500,000				
:	BUILDING 910 EVAC/COOLER	AE02	\$125,000				

This item has yet to be prioritized

(#) = PRIORITY STATUS

6/17/94  
10:46 AM

15/84

BCP 94-87  
WBS AA04 - ADS 1258  
GREATLY ACCELERATED SLUDGE  
REMOVAL PROJECT SCOPE,  
SCHEDULE, AND COST  
PROPOSAL

Program Manager  
Cost Account (ADS) Manager  
Work Package Manager

Central Planning & Budgets Rep  
DOE/RFFO Rep

S. G. Stiger  
S. R. Keith  
T. d. Beckman  
T. D. Schmidt  
J. E. Pennell  
F. R. Lockhart

# BCP 94-87 SUMMARY

- RFFO directed EG&G to prepare this change in letter AMPME:SRS:05846 dated June 3, 1994, from M. S. Karol to S. R. Keith.
- BCP will accelerate work previously planned for out-years and modify the subproject plans to allow dispositioning of the treated pond sludge within the structure.

1/1/94

# BCP 94-87

## DESCRIPTION OF CHANGES/ SCOPE

Work Package 12142 (Conceptual Design)

- Prepare existing data for use in closure modeling and design (IM/IRA)
- Prepare a statement of work to retain MTS engineering expertise for sludge treatment
- Prepare a "white paper" for treatment for incorporation into the IM/IRA Decision Document on the closure
- Prepare cost and schedule documents for Title II and Title III
- Begin quality plan preparation
- Manage the conceptual design for sludge treatment to produce a final waste form compliant with RCRA Land Disposal Restrictions

18/4

# BCP 94-87

## DESCRIPTION OF CHANGES/ SCOPE

CON'T

Work Package 12189 (Treatability)

- Prepare the statement of work to retain MTS engineering expertise for sludge treatment
- Complete the Pond A/B treatability study

# BCP 94-87 COST IMPACT

<u>TITLE</u>	<u>CURRENT BASELINE</u>	<u>PROPOSED CHANGE</u>	<u>PROPOSED BASELINE</u>
Conceptual Design Treatability	\$0 <u>\$0</u>	\$403,858 <u>\$145,632</u>	\$403,858 <u>\$145,632</u>
TOTAL		\$549,490	\$549,490

\$549,490 BCP impact will be funded from Management Reserve



20/54

# BCP 94-87 SCHEDULE IMPACT

- See attached schedule



2/54

ACTIVITY ID	ACTIVITY DESCRIPTION	ORIG DUR	TOTL FLT	EARLY START	EARLY FINISH	FY94					FY95									
						MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB					
						12142-CONCEPTUAL DESIGN														
1	SUBMIT EMERG EG&G BCP FOR TREATABILITY & CON. DSN	1	0	15JUN94	15JUN94															
4	PREPARE SOW FOR CONCEPTUAL DSGN PKG TO CEOM STD.	5	0	15JUN94	21JUN94															
97	DOE ER BOARD	0	0		21JUN94															
2	BCP APPROVAL	0	0		24JUN94															
98	DOE RFP BOARD	1	0	24JUN94	24JUN94															
5	PROCUREMENT MTS FOR CONCEPTUAL DESIGN PACKAGE	21	0	27JUN94	26JUL94															
6	PREPARE CONCEPTUAL DESIGN REPORT (HNUS)	82	0	27JUL94	18NOV94															
7	DEVELOP CONCEPTUAL DESIGN REPORT (CDR)	45	0	27JUL94	28SEP94															
19	CDR COST ESTIMATE & SCHEDULE FOR CONST. ONLY	45	0	27JUL94	28SEP94															
49	WHITE PAPER	10	11	27JUL94	9AUG94															
81	DELIVER WHITE PAPER TO E.S.	0	11		9AUG94															
70	PREPARE QAP	52	11	25AUG94	7NOV94															
						12189-TREATABILITY														
20	TREATABILITY PROCUREMENT	52	12	15JUN94	26AUG94															
21	PREPARE SOW FOR TREATABILITY	7	13	15JUN94	23JUN94															
22	PROCUREMENT CYCLE FOR TREATABILITY MTS	44	12	27JUN94	26AUG94															
23	AWARD NEW MTS SUBCONTRACT	0	12		26AUG94															
40	TREATABILITY STUDY WORK PHASE II A/B	104	12	29AUG94	1FEB95															
41	START	10	12	29AUG94	12SEP94															

Plot Date 14JUN94  
 Data Date 15JUN94  
 Project Start 10DEC92  
 Project Finish 25FEB97

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

GASG  
 GREATLY ACCELERATED SLUDGE PROCESS.  
 FY94 WORK PACKAGES  
 DETAIL SCHEDULE BY WORK (GASP)

Sheet 1 of 1  
 SHEET  
 WORK

DC-03			
Date	Revision	Drawn	Checked

132

# BCP 94-87

## FY94 MILESTONE IMPACTS

<u>WP #</u>	<u>TITLE</u>	<u>ACTIVITY #</u>	<u>DESCRIPTION</u>	<u>INT/EXT</u>	<u>DATE</u>
12142	Conceptual Design	00081	Deliver White Paper to E. S.	Internal	7-26-94
12189	Treatability	00023	Award New MTS Subcontract	Internal	8-16-94

25/64

# BCP 94-87

## JUSTIFICATION OF CHANGE

- Direction for changes received from RFFO
- Necessary to establish a path-forward and negotiation position for incorporating treated sludge into the closure structure
- A net cost avoidance of \$20 million over the life of the sub-project can be realized since the cost of packaging and shipping and disposal fees will be eliminated
- Sludge will be dispositioned 3 to 4 years earlier than the current baseline plan

2/51

# BCP 94-87 IMPACT OF NON-APPROVAL

- RFFO would have to withdraw their request to the regulators
- A potential cost avoidance of \$20 million over the life of the project would be lost



EG&G ROCKY FLATS, NID  
ROCKY FLATS PLANT, P.O. BOX 464, GOLDEN, COLORADO 80402-0464 • (303) 620-7000

June 21, 1994

94-RF-06660

Jessie M. Roberson  
Acting Assistant Manager for Environmental Restoration  
DOE, RFFO

**OPERABLE UNIT-4 (OU-4) FUNDS EXPENDITURE FOR ON-SITE DISPOSAL OF TREATED SLUDGE - SGS-368-94**

It is our understanding that Department Of Energy's (DOEs) OU-4 strategy is to promote onsite disposal of treated pond sludge as part of the Solar Ponds remedial action. The goal of DOE-RFFO as related to the EG&G program manager is to add that scope to the project without slipping the Interagency (IAG) milestone for "start of construction" currently set for September 27, 1995.

EG&G supports DOEs stated strategy and goals. In order to pursue the strategy for onsite disposal without impacting the "start of construction" milestone, numerous efforts must start immediately. However, onsite disposal of treated pond sludge does not yet have regulatory support; in fact, the regulators are not endorsing a remedial action that includes processed sludge disposal under the Solar Ponds cap (see attachment). We are faced, then, with pursuing two parallel courses of action to ensure the construction milestone is not impacted; the present project baseline and the onsite disposal alternative.

We have prepared the necessary Baseline Change Proposal (BCP) to pursue parallel efforts in the support of the onsite disposal alternative. FY 94 workscope would include a technical "white paper" and commencement of conceptual design and treatability studies, for a cost of \$549,490. This is significant additional cost for the parallel course of action. We have reservations committing this funding at this time. If the regulators and public do not endorse this approach, the resources expended may be perceived as being ultimately nonproductive.

EG&G recommends that no activities supporting redesign for onsite disposal be initiated until the strategy is aggressively pursued with the regulators and the public. Project progress would continue; however, the construction milestone would be impacted should sludge in the remediation be approved. Therefore, EG&G recommends that the issue be pursued aggressively with the regulators and that program redirection be taken only after resolution of the issue. However, if a change in scope is approved by the regulators, milestones could appropriately be modified by the parties.

The EG&G Environmental Restoration Management (ERM) Change Board conditionally approved BCP ERM-076-94 in support of the directives given by DOE-RFFO (attached two memos). The condition placed on the Board's approval is satisfied by this letter, which alerts DOE-RFFO that approval by the DOE Change Boards may lead to expenditures to support project development which may be ultimately rejected by the regulators.

26/94

Jessie M. Roberson  
94-RF-03890  
June 21, 1994  
Page 2

Please provide us with written direction to proceed with implementing the proposed change in scope upon DOE's approval by the Change Boards.

Please contact me or S. R. Keth, X8541, if you have any questions regarding this matter.

  
S. G. Stiger  
Director  
Environmental Restoration Program Division

Orig. and 1 cc - J. M. Roberson

SRK:dh

Attachments:  
As Stated

cc:  
M. McBride  
M. N. Silverman  
L. Smith

27/54

STATE OF COLORADO

**COLORADO DEPARTMENT OF HEALTH**  
Dedicated to protecting and improving the health and environment of the people of Colorado

400 Cherry Creek Dr. E. Laboratory Building  
Denver, Colorado 80221-1570 4210 E. 11th Avenue  
Phone (303) 692-2000 Denver, Colorado 80220-3716  
(303) 691-4700



Ray Romer  
Governor

Patrick A. Hickey, M.D., M.P.H.  
Executive Director

June 9, 1994

Mr. Richard J. Schassburger  
U.S. Department of Energy  
Rocky Flats Plant  
Building 116  
P. O. Box 928  
Golden, Colorado 80402-0928

RE: Denial of Request for Schedule Extension and Modification to the Interim Measure/Interim Remedial Action Decision Document for Solar Evaporation Ponds (Operable Unit No. 4).

Dear Mr. Schassburger,

The Colorado Department of Health, Hazardous Materials and Waste Management Division (the Division) has reviewed your May 25, 1994 request for an extension to the delivery and modification of the subject document.

The Division concurs that scheduling conflicts have prevented the respective parties from assembling to discuss DOE's perspectives on the inclusion of treated mixed waste within the OU-4 IM/IRA design. However, the scheduling obstacles do not support approval of an extension to the IM/IRA milestones or a modification to the IM/IRA document for the following reasons and, therefore, the Division denies your requests:

- The Solar Pond sludges are not being managed pursuant to a corrective action decision, and as such, do not meet the definition of "remediation waste" eligible for management in a CAMU.
- The sludges are illegally stored mixed wastes, which under the terms of the Agreement in Principle, were scheduled for removal, solidification, and shipment off-site by October 1, 1991 by DOE. While the October, 1991, date has clearly not been met, the State considers the off-site disposal commitment by DOE to be binding.

Furthermore, the Division has been informed that a standing DOE Order may preclude placement of radionuclide contaminated materials, including remediation waste, into the OU-4 CAMU cell.

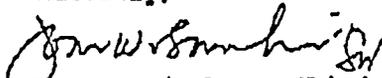
28/54

Attachment 1  
94-RF-05660  
Page 2 of 2

Over the past few weeks, we have asked DOE for information on this issue, but a reply has not been provided. Until the Division receives a definitive answer to this issue, and evaluates other potential ARARS related to on-site disposal of radioactively contaminated materials, no decision related to this CAMU will be made.

We believe that DOE should now implement the previously agreed upon scope and schedule for the OU-4 IM/IRA. If you have any questions concerning the Division's position, please call Joe Schieffelin at 692-3256 or Harlen Ainacough at 692-3337.

Sincerely,



Gary W. Baughman, Chief  
Facilities Section  
Hazardous Waste Control Program

cc: Daniel S. Miller, AGO  
Steve Tarlton, RFPU  
Martin Hestmark, EPA  
Arturo Duran, EPA  
Fraser Lockhart, DOE  
Andy Ledford, EG&G  
Wanda Busby, EG&G

# memorandum

8768

DATE: JUN 03 1994

REPLY TO: AMPME:SR:05846

ATTN OF:

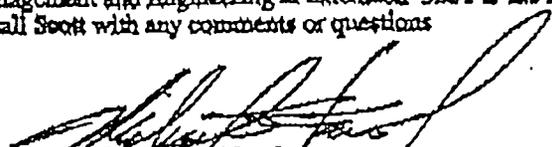
SUBJECT: Key Decision 2 Approval - Solar Ponds Subproject

TO: Steve R. Keith, Program Director  
Solar Pond Project  
EG&G Rocky Flats, Inc.

Approval is hereby given for Key Decision 2, Approval to Commence Title II/Detailed Design, for the Solar Ponds Subproject, Interim Measure Remediation (Work Breakdown Structure number 1.4.7.1.1.04.3). The project baseline is established in the Management Control System (MCS) Interim Measure/Interim Remedial Action Environmental Assessment Decision Document of May 1994. Funding for this subproject is available under the Budget and Reporting Classification Code Number EW20 ADS 1258.

The Environmental Restoration Division, RFFO has directed EG&G to prepare documentation for a scope change, with accompanying cost and schedule changes, to incorporate pond sludge into the remediation. That baseline change will be considered by DOE and incorporated into the project baseline as appropriate.

Scott R. Surovchak, Project Management and Engineering at extension 3551 is the representative assigned to this project; please call Scott with any comments or questions



Michael S. Karol  
Acting Assistant Manager for  
Project Management & Engineering

- cc:
- J. Roberson, RFFO
  - F. Lockhart, RFFO
  - S. Surovchak, RFFO
  - S. Howard, RFFO
  - P. Witherill, RFFO
  - S. Stiger, EG&G
  - M. Austin, EG&G
  - J. Ledford, EG&G
  - D. Erickson, EG&G

Post-It <sup>®</sup> brand fax transmittal memo 7871		# of pages	1
To	Steve Keith	From	Scott R. Surovchak
On	EG&G/SP	Cell	
Dept.		Phone #	3551
Fax #	8768	Fax #	4871

20/54

6/14/94

JUN 15 1994  
Attachment III  
94-RF-06660  
Page 1 of 1

From: Frazer Lockhart, RTFO  
Solar Ponds Program Manager

To: Steve Keith, EG&G  
Solar Ponds Program Manager

DOE requests that EG&G Solar Ponds pursue the option of including the sludge under the RCRA cap. Please investigate the scope of the effort and develop the schedule and cost impacts to the program. DOE authorizes EG&G to process a baseline change if required to develop this information.



Frazer Lockhart  
Solar Ponds Program Manager

21/54

FOOTNOTES - PLANT CHANGE CONTROL BOARD (PCCB) MEETING  
 BASELINE CHANGES PROPOSAL (BCP)

BCP No: 1-8  
 B&R Code: EWB 1

Title: Accelerated Cleanup - Storage Tank Management

1. Organization: Environmental Restoration

Program Manager: S. G. Stiger Ext: 8540 Date: 6/1/94

M&O Director: M. M. Hutchins Ext: 6371 Date: 6/2/94

M&O Lead: H. L. Atchison Ext: 6993 Date: 6/6/94

RFO Lead: F. Lockhart Ext: 7846 Date: 6/1/94

2. Change Designation:  Routine  Priority PCCB Chairman \_\_\_\_\_

3. Is this a Construction (Capital or Expense Funded) or ER-MSA Project? Y/N  Y (If 'No' skip to Block 5)

Approvals Required: Y  N

Level I (DOE-HQ)

Level II (BCCB/PCCB)  Y  CED/ERD Director: \_\_\_\_\_ Signature: \_\_\_\_\_ Date: 6/22/94

DOE Program Sponsor: \_\_\_\_\_  
 DOE Project Manager: \_\_\_\_\_

4. Does This Affect the Contract Line Item (CLIN) Y/N?:  N (If "No" Skip to Block 5)

CLIN Number(s)	Scope		Schedule		Cost	
	Y	N	Y	N	Y	N
_____	<input type="checkbox"/>					

5. Baseline Impacts:

Cost Account W/P Number	Work Package Title	M&O WP Mgr Name/Init	RFO WP Mgr Name/Init	Scope Impact		Schedule Impact		Cost Impact (\$)
				Y	N	Y	N	
1233-AZ01-90046	Management Reserve	S. G. Stiger	M. McBride	<input type="checkbox"/>	<input checked="" type="checkbox"/> N	<input type="checkbox"/>	<input checked="" type="checkbox"/> N	-141,200
1006-AA08-12350	IRA Plan	M. R. Ferrari	F. Lockhart	<input checked="" type="checkbox"/> Y	<input type="checkbox"/>	<input checked="" type="checkbox"/> Y	<input type="checkbox"/>	77,342
1008-AA13-12611	IRA Plan	M. R. Ferrari	F. Lockhart	<input checked="" type="checkbox"/> Y	<input type="checkbox"/>	<input checked="" type="checkbox"/> Y	<input type="checkbox"/>	63,858
_____	_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
_____	_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
_____	_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
_____	_____	_____	_____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	_____
Total:								0

6. PCCB Disposition:

PCCB Chairman:  Y  N \_\_\_\_\_ Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Actions Required:

7. Contracting Officer: \_\_\_\_\_ Ext: \_\_\_\_\_ Date: \_\_\_\_\_

30/54

ROCKY FLATS - PLANT CHANGE CONTROL BOARD (PCCB),  
BASELINE CHANGE PROPOSAL (BCP)

New MCS WP: Y/N

BCP No: 94

8. Description of Change: (For each Work Package include the Work Package approved budget.)

Y/N - Does this change affect any of the following: DOE Milestones, HQ's agreements, external agency understanding, regulatory compliance, or the site mission. If yes, include explanation of effect.

Transfer from management reserve work package, 90046, \$ 141,200 to the following work packages:

AA08-12350 IRA Plan-OU 8 - Current Budget \$0	AA13-12611 IRA Plan-OU 13 - Current Budget \$0
- New Budget \$77,342	- New Budget \$63,858

Initiate new FY94 work package, 12611, to perform a site investigation and develop a Corrective Action Plan (CAP) for a release identified near four Under Storage Tanks (USTs) located near Building 331-OU 13. The results of the additional site characterization and previously obtained site characterization data will be incorporated into a report which satisfies the requirements set forth at 7 CCR 1101-14 and 40 CFR 280. Additionally, initiate new FY94 work package, 12350, to provide for executing closure activities on UST No. 22 located north of Building 776-OU8. This UST is an 1,000 gallon carbon steel tank installed in 1968 and supplies diesel fuel to the now inactive Fluidized Bed Unit.

The following external milestones will be added:

Work Package 12350 OU 8	Final Closure Report Bldg. 776 Submitted to DOE/RFFO	1/31/95
Work Package 12611 OU 13	Final Site Characterization Report Bldg. 331 Submitted to DOE/RFFO	1/13/95

There are no regulatory milestones affected.

9. Justification of Change:

State of Colorado Regulations 7 CCR 1101-14 and 6 CCR 1007-3, Part 280, require that all releases from USTs be investigated and cleaned-up within specified time periods. Rocky Flats Plant is currently out of compliance with the regulations set forth in the requirements for closure of UST systems.

10. Impact if not Approved:

Rocky Flats Plant would be out of compliance with environmental regulations and face potential civil penalties as a result.

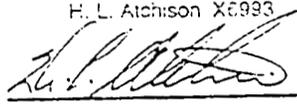
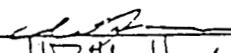
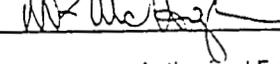
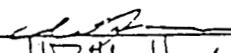
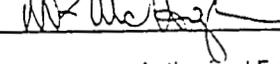
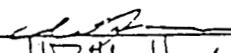
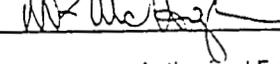
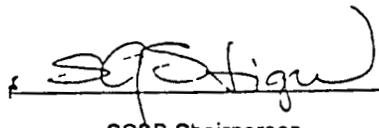
11. Central Planning & Budgets:

CP&B Representative	D. P. VanDore <u>DPVD</u>	Ext: <u>8776</u>	Approval Date: <u>6/14/94</u>
CP&B Manager	R. H. Piburn <u>R.H.P.</u>	Ext: <u>6937</u>	Approval Date: <u>6-14-94</u>

12. Database Updates:

EG&G Change Control Coord: \_\_\_\_\_ Ext: \_\_\_\_\_ Approval Date: \_\_\_\_\_

EG&G Project Control Office: \_\_\_\_\_ Ext: \_\_\_\_\_ Approval Date: \_\_\_\_\_

1. Contractor BCP Number: <u>ERM-075-4</u>	2. Originator (Name & Ext) H. L. Atchison X6993	3. Date Initialed 6/3/94																														
4. BCP Title: Accelerated Cleanup - Storage Tank Management	5. Cognizant Mgr. (Name & Ext) H. L. Atchison X6993  _____ Concurrence & Date	6. Central Planning & Budgeting (Name & Ext) D. P. VanDore X8776  _____ Concurrence & Date																														
7. Priority Designation: Emergency _____ Priority _____ Routine <u>_____X_____</u>	8. Approval Authority: Class 1 <u>_____X_____</u> Class 2 _____ Class 3 _____	9. Baseline Type Cost <u>_____X_____</u> Schedule <u>_____X_____</u> Technical <u>_____X_____</u>																														
10. Change Description: <p style="text-align: center;">SEE ATTACHED BCP FORM</p>																																
11. Justification for Change: <p style="text-align: center;">SEE ATTACHED BCP FORM</p>																																
12. Impact of Non-Approval: <p style="text-align: center;">SEE ATTACHED BCP FORM</p>																																
13. Baseline Impact Details: <table border="1" style="width:100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th style="width:15%;">WBS Number</th> <th style="width:35%;">WBS Title</th> <th style="width:15%;">Cog. Mgr. Signature</th> <th style="width:10%;">Scope Impact Y/N</th> <th style="width:10%;">Sched. Impact Y/N</th> <th style="width:15%;">Cost Impact (\$)</th> </tr> </thead> <tbody> <tr> <td>1233 - AZ01 - 90046</td> <td>Management Reserve</td> <td></td> <td style="text-align: center;">N</td> <td style="text-align: center;">N</td> <td style="text-align: right;">(141,200)</td> </tr> <tr> <td>1006 - AA08 - 12350</td> <td>IRA Plan - OUB</td> <td></td> <td style="text-align: center;">Y</td> <td style="text-align: center;">Y</td> <td style="text-align: right;">77,342</td> </tr> <tr> <td>1008 - AA13 - 12611</td> <td>IRA Plan - OU13</td> <td></td> <td style="text-align: center;">Y</td> <td style="text-align: center;">Y</td> <td style="text-align: right;">63,858</td> </tr> <tr> <td colspan="5">Funded By: <u>_____X_____</u> MR; _____ Con't; _____ Authorized Funds</td> <td style="text-align: right;">Cost Total: <u>_____0_____</u></td> </tr> </tbody> </table>			WBS Number	WBS Title	Cog. Mgr. Signature	Scope Impact Y/N	Sched. Impact Y/N	Cost Impact (\$)	1233 - AZ01 - 90046	Management Reserve		N	N	(141,200)	1006 - AA08 - 12350	IRA Plan - OUB		Y	Y	77,342	1008 - AA13 - 12611	IRA Plan - OU13		Y	Y	63,858	Funded By: <u>_____X_____</u> MR; _____ Con't; _____ Authorized Funds					Cost Total: <u>_____0_____</u>
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Funded By: <u>_____X_____</u> MR; _____ Con't; _____ Authorized Funds					Cost Total: <u>_____0_____</u>																											
14. CCCB (Class 3) BCP Action: _____ Approved _____ Cond. Approved _____ Info. Requested _____ Disapproved _____ Endorsed <div style="text-align: right; margin-top: 10px;">                     _____                      ER Deputy Project Manager                      Date                 </div>																																
15. CCCB (Class 1) BCP Action: _____ Approved _____ Cond. Approved _____ Info. Requested _____ Disapproved <u>_____X_____</u> Endorsed <div style="text-align: right; margin-top: 10px;">                       _____                      CCCB Chairperson                                      Date                 </div>																																
16. PjCCB (Class 1) BCP Action: _____ Approved _____ Cond. Approved _____ Info. Requested _____ Disapproved _____ Endorsed <div style="text-align: right; margin-top: 10px;">                     _____                      PjCCB Chairperson                                      Date                 </div>																																

**BCP-94-86**  
**Accelerated Cleanup - Storage Tank**  
**Management**  
**ADS 1006/Work Package 12350 &**  
**ADS 1008/Work Package 12611**

Program Manager	S. G. Stiger
M & O Lead	H. L. Atchison
Work Package Manager	M. R. Ferrari
Central Planning & Budgets Rep	D. P. VanDore
DOE/RFFO Representative	F. R. Lockhart



# BCP-94-86 BACKGROUND SUMMARY

## BUILDING 331/OU 13 - 100 AREA

- Suspected release was identified in 1991 during UST upgrade activities
- Initial site characterization report completed May, 1992
- Colorado Department of Health (CDH) requested that further characterization be performed to determine the extent of contamination

## BUILDING 776/OU 8 - 700 AREA

- Due to age of the tank, the RCRA UST regulations required closure or upgrade of the UST by December, 1990
- UST temporarily closed for the 12 months after December, 1990 (until December, 1991)
- Colorado State Inspector of Oils Office was notified of RFP's intention to permanently close the UST in March, 1992.

# BCP-94-86

## SCOPE SUMMARY

### Work Package 12611 - OU 13 100 Area

Complete UST site characterization activities in accordance with Colorado Regulations (7 CCR 1101-14) for a release discovered at the UST's north of Building 331.

### Work Package 12350 - OU 8 700 Area

Execute a closure, in accordance with Colorado Regulations (7 CCR 1101-14), on a UST north of Building 776.

5/15/94

# BCP-94-86 COST SUMMARY

## Work Package 12611 - OU 13 - 100 Area

Current Budget	\$ -0-
ETC (FY94)	\$ 63,858

## Work Package 12350 - OU 8 - 700 Area

Current Budget	\$ -0-
ETC (FY94)	<u>\$ 77,342</u>

Required Funding from Management Reserve (MR)	<u>\$141,200</u>
---	------------------

- Total Labor Hours = 0
- Total Burdened Labor Dollars \$ -0-
- Total Non-Labor (A5H) Burdened Requirement \$141,200

Total Dollars Required for New FY94 Scope for 12350 and 12611	\$141,200
---	-----------

38/54

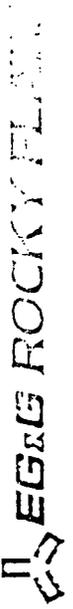
**BCP 94-86**  
**SCHEDULE SUMMARY**  
**INTERNAL/EXTERNAL MILESTONES**

Work Package 12611 - OU 13 - 100 Area:

Sampling and Analysis Plan Bldg. 331 Complete (Internal)	16-Sep-94
Final Site Characterization Report Submitted to DOE/RFFO (External)	13-Jan-95

Work Package 12350 - OU 8 - 700 Area:

Sampling and Analysis Plan Bldg. 776 Complete (Internal)	16-Sep-94
Assessment and Closure Activities for Bldg. 776 Complete (Internal)	4-Nov-94
Final Closure Report Submitted to DOE/RFFO (External)	31-Jan-95



# BCP 94-86 JUSTIFICATION

Project must be completed for RFP to be in compliance with the State of Colorado UST Regulation (7 CCR 1101-14). Failure to comply with these regulations can result in civil penalties of up to \$5,000 per day per violation.

12/01

NOOKY FLATS - PLANTATION CONTROL BOARD (PCB)  
 BASELINE CHANGE PROPOSAL (BCP)

BCP No: 6  
 M&R Code: 1

Title: OU#2 IM/IRA Work Package Revisions (Scope Additions)

1. Organization	Environmental Restoration Program		
Program Manager	S.G. Stiger <i>[Signature]</i>	Ext: 8540	Date: <u>6/15/94</u>
M&O Director	W.S. Busby <i>[Signature]</i>	Ext: 8522	Date: <u>6/15/94</u>
M&O Lead	M.D. Klein <i>[Signature]</i>	Ext: 6950	Date: <u>6-15-94</u>
RFO Lead	S.R. Grace <i>[Signature]</i>	Ext: 7199	Date: <u>6/15/94</u>

2. Change Designation:  Routine  Priority PCCB Chairman \_\_\_\_\_

3. Is this a Construction (Capital or Expense Funded) or ER-MSA Project? Y/N  Y (If 'No' skip to Block 4)

Approvals Required: Y N

Level I (DOE-HQ)  Y  N

Level II (BCCB/PjCCB)  Y  N CED/ERD Director: \_\_\_\_\_

DOE Program Sponsor *[Signature]* 6-15-94  
 DOE Project Manager *[Signature]*

*[Signature]* Signature 6/15/94 Date

4. Does This Affect the Contract Line Item (CLIN) Y/N?:  N (If 'No' Skip to Block 5)

CLIN Number(s)	Scope		Schedule		Cost	
	Y	N	Y	N	Y	N
_____	<input type="checkbox"/>					

5. Baseline Impacts:

Cost Account W/P Number	Work Package Title	M&O WP Mgr Name/Init	RFO WP Mgr Name/Init	Scope Impact		Schedule Impact		Cost Impact (\$) (1000) <i>[Handwritten]</i>
				Y	N	Y	N	
ADS 1002/AA02/12052	OU#2 Subsurface IRA Plan	M.D. Klein <i>[Signature]</i>	S.R. Grace <i>[Signature]</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	-156
→ ADS 1002/AA02/12053	OU#2 Subsurface Construction	M.D. Klein <i>[Signature]</i>	S.R. Grace <i>[Signature]</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1,252
ADS 1002/AA02/12054	OU#2 Subsurface Design	M.D. Klein <i>[Signature]</i>	S.R. Grace <i>[Signature]</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	1,102
ADS 1002/AA02/12055	OU#2 Subsurface Testing & Operations	M.D. Klein <i>[Signature]</i>	S.R. Grace <i>[Signature]</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	-918
ADS 1233/AZ01/90046	ERM Management Reserve	S.G. Stiger <i>[Signature]</i>	M. McBride <i>[Signature]</i>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	-1,280
Total:								0

6. PCCB Disposition:

PCCB Chairman:  Y  N  
 \_\_\_\_\_  
 Signature Date

Actions Required:

7. Contracting Officer: \_\_\_\_\_ Ext: \_\_\_\_\_ Date: \_\_\_\_\_

4/15/94

ROCKY FLATS - PLANT CHANGE CONTROL BOARD (PCCB)  
BASELINE CHANGE PROPOSAL (BCP)

New MCS WP: Y/N

BCP No: \_\_\_\_\_

8. Description of Change: (For each Work Package include the Work Package approved budget.)

Y/N - Does this change affect any of the following: DOE Milestones, HQ's agreements, external agency understanding, regulation compliance, or the site mission. If yes, include explanation of effect.

WP 12052: Scope Deleted: Test Site 3 Comment Resolution activity.

WP 12053: Scope Added: Technical Memorandum 3; Installation of Additional Gas Pressure Probes; Sampling & Monitoring of 4 Sandstone Wells to be Abandoned; Subsurface Abandonment of 4 Sandstone Wells; Extended Operation (includes reconfiguration of system & system maintenance) at Individual Hazardous Substance Site 110 (IHSS) for an additional 75 days.

WP 12054: Scope Added: Design of off-gas treatment incineration system; Installation of Permanent Electrical Power at Test Site 2; Technical Memorandum 4 (TM-4) (includes some associated work and analytical costs), schedule revisions for Test Site 2.

WP 12055: Closeout of WP & transfer of activities with Test Site 1 to WP 12053; transfer of activities associated with Test Site 2 to WP 12054. Test Site 3 System Inspection & Startup delayed to FY95.

Cost Impact: WP	Current Budget(\$K)	Revised Budget(\$K)	Delta(\$K)
12052	\$303	\$147	(\$156)
12053	\$2,336	\$3,588	\$1,252
12054	\$510	\$1,612	\$1,102
12055	\$918	\$0	(\$918)

See attached pages for detail of changes to work package title revisions, scope revisions, additional scope & external milestone impacts.

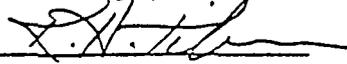
9. Justification of Change:

WP 12052: Test Site 3 activity to be delayed to FY95 due to changing Test Site 1 contaminant conditions which caused a delay to the Soil Vapor Extraction (SVE) program. WP 12053: New scope includes prevention of further contamination to the sandstone geologic unit & Extended Operations at IHSS 110 per DOE, RFFO & EPA/CDH requirements. WP 12054: New off-gas treatment system & permanent power are required to accommodate the needs of Six-phase Soil Heating system which will be used as an enhancement to SVE at Test Site 2. TM-4 & associated work/analytical costs will be performed to characterize contamination at Test Site 2 per DOE, RFFO request. WP 12055: Transfer of activities to applicable work packages will simplify remaining work packages and will decrease administrative/financial burden associated with managing the group of work packages.

10. Impact if not Approved:

The further spread of Volatile Organic Compound contamination at IHSS 110 will impact human health and the environment and increase future remediation costs for this Operable Unit. IAG milestones associated with the subsurface IM/IRA will not be achieved resulting in civil fines and penalties.

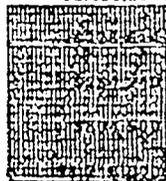
11. Central Planning & Budgets:

CP&B Representative	T.A. Grant 	Ext. 8584	Approval Date: 6-3-94
CP&B Manager	R.H. Piburn 	Ext. 6937	Approval Date: 6-3-94

12. Database Updates:

EG&G Change Control Coord:	_____	Ext. _____	Approval Date: _____
EG&G Project Control Office:	_____	Ext. _____	Approval Date: _____

FUNDS SOURCE: EY70  
 FUNDS SOURCE MANAGER: E. G. FINDER

Priority	Title of the Unfunded Activity	WFR CA-WP	FY94	COMMITTED, PENDING, DENIED	DELTA	MGMT RESERVE	POP #
						\$5,611,116	
1	IA TANK CHARACTERIZATION/ACCEL CLEAN-UP (3)	12611/12350	\$141,200	\$141,200		6,469,916	
2	WASTE HANDLING (3)	12952	\$422,500	\$422,500		6,047,416	
3	SLUDGE DISPOSAL (10)	AA04-12142,12189	\$549,490	\$549,490	Condit Approv	5,497,928	
4	OU2 IMRA WP REVISION/SCOPE ADDITIONS (8)	AA02-	\$1,280,000	\$1,280,000		4,767,418	
5	ACCELERATED CLEANUP (6)	AE02-	\$2,553,254	\$2,553,254		2,214,162	
	- OU -1 HOT SPOT REMOVAL	AE02-12979		approved			94-71
	- B-3 POND PIPING	AE02-12976					94-76
	- SPRINKLER PIPE	AE02-12976					
	- SOIL/REMEDIATION/TANK REMOVAL	AE02-12977					94-89
6	OPERATIONS & MANAGEMENT (8)	AA02-12060	\$33,851				
7	OU4 RETURN TO M/R (10)		(\$742,025)	(\$742,025)		2,956,167	
8	ENHANCE IA GROUND WATER	AA21-NEW	\$400,000				
9	POST CLOSURE LAND USE (18)	AA19-12854	\$460,000				
10	RECORDS MANAGEMENT IMAGING (18)	AC02-12198	\$1,567,200				
11	WATER MONITORING STATION UPGRADES (18)	AA18-79851	\$450,000				
12	TITLE I DESIGN POWER TO PONDS (18)	AA18-12852	\$75,000				
13	U-238 COLUMN TESTING (18)	AA21-NEW	\$400,000				
14	IN-SITU (18)	AA21-NEW	\$400,000				
:	POTENTIAL AREA OF CONTAMINATION/ACCEL CLEAN-UP (6)	AE02-	\$10,000,000				
:	ER VISTOR CENTER (6)	AE02-	\$1,500,000				
:	OU4 SITE CLEAN UP/ACCEL CLEAN-UP (6)	AE02-	\$1,500,000				
:	BUILDING 910 EVAC/COOLER	AE02	\$125,000				

This item has yet to be prioritized

(#) - PRIORITY STATUS

43/24

**BCP-94-84**  
**ADS 1002 -OU2 903 PAD,**  
**MOUND & EAST TRENCHES**  
**WBS AA02 WORK PACKAGES 12052, 12053,**  
**12054, AND 12505**  
**"OU2 IM/IRA SCOPE REVISION/ADDITIONS"**

Program Manager	S. G. Stiger
ADS Manager	P. J. Laurin
Work Package Manager	M. D. Klein
Central Planning & Budgets Rep	T. A. Grant
DOE/RFPO Representative	S. R. Grace

June, 1994:08

 **EB&B ROCKY FLATS**

**BCP 94-84**  
**CURRENT SCOPE OF WORK PACKAGES COVERING THE SS IM/IRA**

**WP #12052: OU 2 SUBSURFACE IRA PLAN**

- PERFORM ALL TASKS ASSOCIATED WITH BOTH A BASELINE AND A DETAILED SOIL VAPOR SURVEY
- COMMENT RESOLUTION FOR THE TEST SITE 3 TEST PLAN

**WP #12053: OU 2 SUBSURFACE CONSTRUCTION**

- PROCUREMENT AND FABRICATION OF CAPITAL EQUIPMENT FOR TEST SITES 1, 2, AND 3
- PERFORMANCE OF FIELD PILOT STUDIES FOR TEST SITES 1, 2, AND 3

**WP #12054: OU 2 SUBSURFACE DESIGN**

- PROCUREMENT OF SERVICES FOR DESIGN OF CAPITAL EQUIPMENT FOR TEST SITES 2 AND 3

**WP #12055: OU 2 SUBSURFACE TESTING AND OPERATION**

- INSPECTION AND SYSTEM START-UP OF TEST SITES 1, 2, AND 3
- PILOT TEST REPORTS FOR TEST SITES 1 AND 2

June, 1994:08

 **EB&B ROCKY FLATS**

44/54

## BCP 94-84

### PROPOSED REVISION TO THE SCOPE OF WORK PACKAGES COVERING THE SS IMMRA

**WP #12052: OU 2 SOIL VAPOR SURVEY**

- PERFORM ALL TASKS ASSOCIATED WITH BOTH A BASELINE AND A DETAILED SOIL VAPOR SURVEY

**WP #12053: OU 2 SOIL VAPOR EXTRACTION TEST SITE 1**

- PERFORM ALL TASKS ASSOCIATED WITH SOIL VAPOR EXTRACTION AT TEST SITE 1 - INCLUDES PROCUREMENT OF CAPITAL EQUIPMENT, PERFORMANCE OF FIELD PILOT STUDIES, INSPECTION AND SYSTEM START-UP, AND THE COMPLETION OF THE PILOT TEST REPORTS.

**WP #12054: OU 2 SOIL VAPOR EXTRACTION TEST SITE 2**

- PERFORM ALL ACTIVITIES ASSOCIATED WITH THE PLANNING, PRELIMINARY DESIGN WORK AND DOCUMENTATION FOR SOIL VAPOR EXTRACTION AT TEST SITE 2
- PERFORM PRELIMINARY PLANNING TASKS FOR SOIL VAPOR EXTRACTION AT TEST SITE 3

**WP #12055: OU 2 SUBSURFACE TESTING AND OPERATION**

- TRANSFER OF WORK TO WP #12053 AND WP #12054
- CLOSE OUT WORK PACKAGE

June, 1994:08

 **EG&B ROCKY FLATS**

## BCP-94-84

### SCOPE SUMMARY FOR WORK PACKAGE 12052

- **Revised Scope for WP 12052:**
  - This revision will simplify WP 12052 by including in the scope only those activities pertaining to a Baseline Soil Vapor Survey (SVS) and a Detailed SVS.
  - The Test Site 3 comment resolution activity will not occur within FY94.
- **New Scope for WP 12052:**
  - No additional scope is added to this Work Package.
- **Justification for Revisions:**
  - The cost associated with the scope of the SVS's was overestimated.
  - Test Site 3 activities are delayed due to program changes and delays to the schedule for Test Site 1.

June, 1994:08

 **EG&B ROCKY FLATS**

45/54

BCP-94-84  
SCHEDULE IMPACTS FOR WP 12052

<u>Activity No.</u>	<u>Title</u>	<u>Current Milestone Completion date</u>	<u>Revised Milestone Completion Date</u>
1205200371	Submit Final SVS Report to DOE	27May94	27Jun94

June, 1994:c8

 EB&B ROCKY FLATS

BCP-94-84  
COST IMPACT FOR WORK PACKAGE 12052

Current Budget	\$303K
Revised Budget	\$147K
Delta	<u>\$156K</u>

- 156K moved to WP 12054 with associated Site 3 planning activities

June, 1994:c8

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4/6/94

BCP 94-84  
SCOPE SUMMARY FOR WP 12053

Revised Scope for WP 12053:

- The revised scope for WP 12053 supports activities associated with SVE at Test Site 1. Focusing this work package on Test Site 1 only will move numerous activities for Test Site 2 and Test Site 3 to Work Packages 12054. In addition, numerous activities from Work Packages 12054 and 12055 involving Test Site 1 work will be transferred to Work Package 12053.

New Scope for WP 12053:

- Technical Memorandum 3 (TM 3) - outlines the program changes required by the Inter-Agency Agreement (IAG).
- Installation of Additional Gas Pressure Probes - additional gas probes are required to evaluate radius of influence of the soil vapor extraction system within the interior of the trench at IHSS 110.

June, 1994:c8

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BCP 94-84  
SCOPE SUMMARY FOR WP 12053

CONT:

- *Sampling and Monitoring of Four (4) Sandstone Wells to be Abandoned* - The sampling of the sandstone wells is required to document no further contamination to the sandstone geologic unit due to operation of the SVE unit.
- *Subsurface Abandonment of Four (4) Sandstone Wells* - The abandonment of the sandstone wells is required to prevent further contamination to the sandstone geologic unit due to operation of the SVE unit.
- *Extended post pilot operation at IHSS 110 for an Additional 75 days* - Extended post pilot operations will occur at Site 1 from the completion of Pilot Testing through pre-construction activities at Site 2. This new scope will allow continue removal of subsurface contamination at the Individual Hazardous Substance Site (IHSS) 110.
- *The extended post pilot operations scope will include the addition of maintenance tasks to the SVE system for extended post pilot operations and will also include the reconfiguration of the system.* The reconfiguration consists of the conversion of an alluvial air injection well to a vapor extraction well to increase the contaminant removal rates.

June, 1994:c8

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47/54

BCP 94-84  
SCOPE SUMMARY FOR WP 12053

CONT:

Justification for Revisions:

- This revision will simplify WP 12053 by including in the scope only activities associated with Soil Vapor Extraction at Test Site 1. Creating a separate Work Package for Test Site 1 will assist in segregating financial and scheduling problems between Test Sites. A Test Site 1 Work Package that is managed as a separate entity will simplify the scheduling path and clarify the objectives of the Work Package. In addition, the revision will allow this Work Package to close out at the completion of work at Test Site 1.

Justification for New Scope:

- Reference DOE correspondences 94-DOE-05908, 94-DOE-03195, 94-DOE-04117, 94-DOE-04819, and EPA correspondence 8HWM-FF, dated March 10, 1994, which request documentation for specific programmatic changes to the OU 2 SS IM/IRA Program.
- Reference DOE correspondences 94-DOE-03195 and 94-DOE-04117, which request specific programmatic changes to the OU 2 SS IM/IRA Program.

June, 1994:CB

 EG&B ROCKY FLATS

BCP 94-84  
SCOPE SUMMARY FOR WP 12053

CONT:

- Reference DOE correspondences 94-DOE-03195 and 94-DOE-04117 and EPA correspondences 8HWM-FF, dated March 10, 1994 and February 10, 1994, which require that steps be taken to minimize the spread of contamination to the lower sandstone geologic unit.
- Reference DOE correspondences 94-DOE-03195 and 94-DOE-04117 and EPA correspondences 8HWM-FF, dated March 10, 1994 and February 10, 1994, which require that steps be taken to minimize the spread of contamination to the lower sandstone geologic unit.
- Reference EPA correspondences 8HWM-FF, dated March 10, 1994 and February 10, 1994, which require initiation of extended post pilot operations.

June, 1994:CB

 EG&B ROCKY FLATS

48/54

**BCP-94-84**  
**SCHEDULE IMPACTS FOR WP 12053**

<u>Activity No.</u>	<u>Title</u>	<u>Current Milestone Completion Date</u>	<u>Revised Milestone Completion Date</u>
1205300105	Provide Verification of Site 3 Equipment Status to DOE	07Jun94	Deleted
1205303080	Submit Site 1 Draft Pilot Test Report to EPA/CDH	31Aug94	11Nov94
1205303111	Submit Site 1 Final Pilot Test Report to EPA/CDH	22Sep94	Jan95
1205304010	Submit Site 2 Draft Pilot Test Plan to EPA/CDH	14Jun94	06July94 (moving to WP 12054)
1205304040	Submit Site 2 Final Pilot Test Plan to EPA/CDH	28Jun94	28Jul94 (moving to WP 12054)
1205303110	Submit Draft Final Test Report Site 1 To EPA/CDH	22Sep94	Deleted Redundant with 03111
New	TM-3 EPA/CDH Approval	New	12Jul94
New	TM-2 EPA/CDH Approval	New	10Aug94

June, 1994:c8

 **EGB ROCKY FLATS**

**BCP 94-82**  
**COST IMPACT FOR WP 12053**

Current Budget	\$2,336K
Revised Budget	\$3,588K
Delta	\$1,252K

Scope/Budget transferred from WP 12055:

• Analytical charges to recover schedule & new site conditions	\$508K
• WCFS contract modification to cover schedule delays and new site conditions	\$210K
<b>TOTAL</b>	<b>\$718K</b>

New Scope/Dollars required from Mgmt Reserve

• TM-3	\$20K
• Installation of Gas Probes	\$45K
• Sampling of Sandstone Wells	\$46K
• Abandonment of sandstone wells	\$116K
• Extended Post Pilot Operations, and System Reconfiguration and Maintenance	\$307K
<b>TOTAL</b>	<b>\$534K</b>

**TOTAL DELTA** \$1,252K

June, 1994:c8

 **EGB ROCKY FLATS**

49/54

BCP 94-84  
SCOPE SUMMARY FOR WP 12054

Revised Scope for WP 12054

- The revised scope for WP 12054 supports activities associated with Soil Vapor Extraction (SVE) at Test Site 2 and activities associated with preliminary planning for SVE at Site 3. Focusing this Work Package primarily on Test Site 2 will move several activities with Test Site 2 from WP 12053 and 12055 into this Work Package. The schedule for completion of activities and external milestones associated with Test Site 2 will be revised.

New Scope for WP 12054

- A new off-gas treatment incineration system will be added to the SVE system to treat increased concentrations of Volatile Organic Compounds (VOC's) in the off-gas stream. The new scope will include design of the new treatment system.

June, 1994:cd

 EG&B ROCKY FLATS

BCP 94-84  
SCOPE SUMMARY FOR WP 12054

CON'T:

- Permanent electrical power at the Test Site will be required to accommodate the Six-phase Soil Heating system, which will be used as an enhancement to SVE at Test Site 2.
- Additional characterization of the nature and extent of contamination at Individual Hazardous Substance Site (IHSS) 110 will be outlined in Technical Memorandum No. 4 (TM-4). TM-4 will outline the work that will be performed to characterize IHSS 110 and will include additional drilling and sampling, contaminant fate and transport modeling and hydro-geological modeling. Some of the work outlined in TM-4 will be performed during FY94 and the analytical costs associated with the sampling will be realized in FY94.

June, 1994:cd

 EG&B ROCKY FLATS

BCP 94-84  
SCOPE SUMMARY FOR WP 12054

Justification for Revision:

- This revision will simplify WP 12054 by including in the scope mainly activities associated with Soil Vapor Extraction at Test Site 2. Creating a separate Work Package primarily for Test Site 2 will assist in segregating financial and scheduling between Test Sites. A Test Site 2 Work Package that is managed as a separate entity will simplify the scheduling path and clarify the objectives of the Work Package.

Justification for New Scope:

- SVE at Test Site 2 will include the enhancement of SVE utilizing Six-phase Soil Heating. Due to increased concentrations of Volatile Organic Compound (VOC's) anticipated with the Six-phase Soil Heating, the current off-gas treatment system, consisting of granular activated carbon, is inadequate. Technical Memorandum 2 evaluated several off-gas treatment systems and selected incineration as the more appropriate off-gas treatment.

June, 1994:cb

 EG&B ROCKY FLATS

BCP 94-84  
SCOPE SUMMARY FOR WP 12054

CON'T:

- Additional permanent electrical power is required to run the Six-phase Soil Heating enhancement to SVE.
- TM-4 will provide an administrative vehicle to allow additional characterization of the contamination within IHSS 110. The activities outlined in TM-4 will begin in FY94. Some of those activities will require sampling which will incur analytical costs. Included also in TM-4 will be modeling efforts requested by DOE/RFPO (reference DOE correspondence ER:SRG:02161).

June, 1994:cb

 EG&B ROCKY FLATS

5/1/94

**BCP 94-84  
COST IMPACT FOR WP 12054**

Current Budget	\$510K
Revised Budget	\$1,612K
Delta	\$1,102K

Scope/Budget transferred from WP 12055/12052:

- Site 2 activities from WP 12055 \$200K
- Site 3 activities from WP 12052 \$156K
- TOTAL \$356K

New Scope/Dollars required from Mgmt Reserve

- TM-4 associated work: characterization analytical charges \$428K
- Off-Gas Treatment System Design \$191K
- Permanent for 6-Phase Soil Heating \$127K
- TOTAL \$746K

TOTAL DELTA \$1,102K

June, 1994:28



**BCP-94-84  
SCHEDULE IMPACTS FOR WP 12054**

<u>Activity Number</u>	<u>Title</u>	<u>Milestone Completion Date</u>
New	TM-4 EPA/CDH	02Sep94

June, 1994:28



5/2/94

## BCP 94-84 SCOPE SUMMARY FOR WP 12055

### Revised Scope for WP 12055:

- The revised scope for WP 12055 transfers the scope associated with this Work Package to WP 12053 and WP 12054. This revision will move the activities presently in WP 12055 associated with Test Site 1 to WP 12053 and those activities associated with Test Site 2 to WP 12054. The activity associated with Test Site 3, system inspection and start-up, will be delayed until FY 95.

### New Scope for WP 12055:

- No new scope will be added to this work package.

### Justification for Revisions:

- This revision will simplify WP's 12053 and 12054 and will allow WP 12055 to be closed out. Closing out WP 12055 will decrease the administrative and financial burden associated with managing this group of work packages.

JUNE 1994:EE

 EB&B ROCKY FLATS

## BCP-94-84 SCHEDULE IMPACTS FOR WP 12055

<u>Activity No.</u>	<u>Title</u>	<u>Current Milestone Completion Date</u>	<u>Revised Milestone Completion Date</u>
1205500161	Completion and submittal of Draft Pilot Test Report for Site 1 to EPA/CDH	15Mar94	Deleted - Redundant with 120530380
1205500181	Submit Draft Pilot Test Report for Site 1 to DOE, RFFO	30Aug94	17Oct94 (move to WP 12053)
1205500185	Submit Draft Pilot Test Report for Site 1 to EPA/CDH	27Apr94	Deleted - Redundant with 120530380
1205500205	Submit Final Pilot Test Report for Site 1 to EPA/CDH	16Jun94	Deleted - Redundant with 1205303111

JUNE 1994:EE

 EB&B ROCKY FLATS

53/54

BCP 94-84  
COST IMPACT FOR WP 12055

Current Budget	\$918K
Revised Budget	\$0
Delta	(\$918K)

- 918K Scope/Dollars distributed to WP 12053 and WP 12054

JUNE, 1994:08

 EGB ROCKY FLATS

54/5