

CORRES. CONTROL
OUTGOING LTR NO.

DOE ORDER # 5480.19

94RF 04351

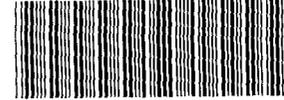
EG&G ROCKY FLATS

DIST.	LTR	ENC
AMARAL, M.E.		
BERMAN, H.S.		
BRANCH, D.B.		
CARNIVAL, G.J.		
COPP, R.D.		
DAVIS, J.G.		
FERRERA, D.W.		
HANNI, B.J.		
HARMAN, L.K.		
HEALY, T.J.		
HEDAHL, T.	X	
HILBIG, J.G.		
HUTCHINGS, N.M.		
KELL, R.E.		
KIRBY, W.A.		
KUESTER, A.W.		
MAHAFFEY, J.W.		
MANN, H.P.	X	
MARX, G.E.		
MCDONALD, M.M.		
MCKENNA, F.G.		
MONTROSE, J.K.		
MORGAN, R.V.		
POTTER, G.L.		
PIZZUTO, V.M.		
RISING, T.L.		
SANDLIN, N.B.		
SETLOCK, G.H.		
STEWART, D.L.		
STIGER, S.G.	X	
SULLIVAN, M.T.		
SWANSON, E.R.		
WILKINSON, R.B.	X	
WILSON, J. M.		
WYANT, R.D.		
Beckman, T.D.	X	
Boyle, R.W.	X	
Chojnacki, D.	X	
DeWitt, S.W.	X	
FRANK, R.A.	X	
Keith, S.R.	X	
Kozel, S.T.	X	
London, K.C.	X	
Mallen, J.B.	X	
R.W. Norton	X	
Parker, D.A.	X	
Roberts, J.D.	X	
Schmidt, T.D.	X	
CORRES CONTROL	X	X
ADMN RECORD/080	X	X
TRAFFIC		
PATS/T130G		

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

April 14, 1994

94-RF-04351



000023940

F. R. Lockhart
Director
Environmental Restoration Major System Acquisition
DOE, RFO

EVIDENCE OF READINESS TO PROCEED WITH C-POND AND CLARIFIER OPERATIONS OF THE ACCELERATED SLUDGE REMOVAL PROJECT - MCB-135-94

- Refs: (a) F. R. Lockhart ltr, (ER:PW:00991), to M. C Broussard, Accelerated Sludge Removal Project Special Assessment, February 3, 1994
- (b) S. R. Keith ltr, 94-RF-03284, to Frazer Lockhart, Applicability of DOE Order 5480.31 to the Special Assessment of the Accelerated Sludge Removal Project, March 22, 1994
- (c) F. R. Lockhart ltr, (ER:FRL:03792), to Steve R. Keith, Applicability of DOE Order 5480.31 to the Special Assessment of the Accelerated Sludge Removal Project, April 6, 1994

EG&G Rocky Flats, Inc. (EG&G), has successfully completed the last phase of its graded approach Special Assessment (SA) supporting startup of operations for the Accelerated Sludge Removal Project (ASRP). B-Pond operations continue, as authorized in reference (a). This letter refers specifically to the continuation of the ASRP and requests DOE authorization to initiate "salt-buster" operations, and subsequently for the transfer of C-Pond and Clarifier sludge to the designated tents located on the 750 pad.

Documentation and controls have been assessed in accordance with the approved Special Assessment Plan, as supportive of safe and prudent operations in the following areas :

- 1) engineering;
- 2) environmental management;
- 3) health and safety;
- 4) operations;
- 5) procedures;
- 6) project management;
- 7) quality;
- 8) training; and
- 9) waste management

CLASSIFICATION:

UNCL	
UNCLASSIFIED	
CONFIDENTIAL	
SECRET	

AUTHORIZED CLASSIFIER
SIGNATURE
DOCUMENT CLASSIFICATION
REVIEW WAIVER PER
CLASSIFICATION OFFICE

DATE

IN REPLY TO RFP CC NO:

ACTION ITEM STATUS

PARTIAL OPEN

CLOSED

LTR APPROVALS:

ORIG & TYPIST INITIALS

DSB: LA

RECORD

F. R. Lockhart
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The required baseline documentation and program implementation elements were in place prior to commencement of B-Pond operations, which have been previously authorized. The scope and content of Rev. 1 of the Checklist have been approved by the SA Board. This scope captures, on a graded-approach basis, elements pertinent to "salt-busting," C-Pond, and Clarifier operations which were not previously captured in Rev. 0 (B-Pond operations). Attachment 1 reflects the current Checklist status. The authorization being sought is for continuing ASRP operations, to include C-Pond and Clarifier sludge. Those Rev. 1 SA Checklist items which remain open are summarized in Attachment 2. A briefing session with SA Team and DOE representation will serve to communicate final verification of the indicated Salt-Buster, C-Pond sludge movement, and Clarifier Pre-Startup closures.

Based upon the preceding information and the information provided on the attached Checklist, EG&G has concluded that it is safe to continue operations of the ASRP for the movement of C-Pond and Clarifier sludge, and that such operations will provide compliant control of the low hazard materials involved. Therefore, EG&G recommends that the Department of Energy grant EG&G a Declaration of Readiness to Operate the C-Pond/Clarifier phases of the ASRP, beginning with salt-buster activities. This requested authorization will be the final SA authorization sought for ASRP under the project's present scope.

Please provide your approval by return letter. A draft response is included as Attachment 3. Should there be questions regarding the SA Status, please contact D. S. Brown, ERM Readiness Review Coordinator, on extension 8745.



M. C. Broussard
Environmental Operations Manager
Environmental Restoration Management
EG&G Rocky Flats, Inc.

DSB:la

Orig. and 1 cc - F. R. Lockhart

Attachments:
As Stated (3)

cc:
S. Howard - DOE, RFO
J. M. Roberson - " "
M. A. Witherill - " "

**ROCKY FLATS PLANT - ENVIRONMENTAL RESTORATION MANAGEMENT
SPECIAL ASSESSMENT CHECKLIST -- ACCELERATED SLUDGE REMOVAL PROJECT (ASRP)**

ITEM NO.	REQUIREMENT / ITEM DESCRIPTION	COMMENTS / CLOSURE DOCUMENTATION	RESPONS.										DATE DUE	DATE VER/ CLSD	
			S	A	P	L	O	C	P	O	P	O			TEAM MEMBER> Support
<p>NOTE: The ASRP QAP applies requirements of the RFP QAM to degrees commensurate with the categorization and classification of the ASRP activities. The EM QAPP addresses applicable investigation and remediation activities at RFP. The ASRP is an interim measure involving a significant number of RFP organizations other than ERM. Therefore, the ASRP QAP, and not the EM QAPP, serves as the baseline QA document for this Special Assessment.</p> <p>NOTE: ERM Procedure 3-21000-ADM-18.03, Rev. 0, Readiness Review, is employed as the administrative vehicle for this Special Assessment, while the inter-organizational aspects of the ASRP imply a wider (other than ERM) scope for several of the actual compliance elements.</p> <p>NOTE: The ASRP operations have been phased/staged to accommodate B-Pond operations first, followed by C-Pond and the Clarifier. Rev. 1 of this Checklist is post B-Pond startup.</p> <p>NOTE: Due to "salt-busting" scope addition to C-Pond activities, some C-Pond Checklist items may remain open at time "salt-busting" commences.</p>															
1 - PROJECT MANAGEMENT															
1.01	A project specific organization structure has been developed and resides in the project control document(s). [RFP Policy Manual; RFP Organization Manual; 1-70735 (Security Manual); 1-90953-CCCP-1.0]; ASRP QAP §7.1]	>>Page 16 of ASRP QAP, Rev. 0 >>"Organizational Involvement in ASRP", internal document	X	X	X	X	X							SCHMIDT	10/18
1.01A	Specific personal responsibilities (including subcontractors) have been established and interfaced properly with the project control document(s). [ASRP QAP §7.1.1]	A DMR to the ASRP QAP will include responsibility descriptors and training requirements and will fulfill this requirement. [See item 1.05A]	X	X	X	X	X							SCHMIDT	3/23
A.1	Changes in responsibilities and requirements relative to additional C-Pond and Clarifier scopes have been identified and addressed in the QAP.	A DMR to the ASRP QAP will include responsibility descriptors and training requirements and will fulfill this requirement. [See item 1.05B]	X	X	X	X	X							SCHMIDT	3/23
1.02	A Work Package has been developed and approved. [CCCP]	Copies of the signed cover page(s) will close/verify.												RINGLE/ Mellen	12/20
1.02A	A Baseline Change Proposal (BCP) has been approved encompassing all work to be performed.	D. P. Simpson (tr. OOM-DPS:12001, to J. B. Mellen/R. H. Piburn, 10/26/93)												RINGLE/ RINGLE/ Mellen	12/3
A.1	Complete a BCP to reflect cost/schedule changes:													SCHMIDT/ Boyler	4/22
A.1a	>>Changes to accommodate "salt-buster"	A copy of the approvals for the BCP will close/verify.	X	X										Boyer/ Beckman	4/22
A.1b	>>Additional tanks and operations monies (based on decant proficiency analysis)	A copy of the approvals for the BCP will close/verify. [This item has been separately identified on the Checklist due to the potentially significant impact on future ASRP operations.]	X	X	X										
1.03	A detailed schedule for the ASRP has been developed and is under the control of ASRP Project Management.	A detailed schedule is maintained by ASRP (matrixed) staff.	X	X	X	X	X							SCHMIDT	12/2
1.03A	Update schedules to reflect C-Pond/Clarifier changes.	A detailed schedule is maintained by ASRP (matrixed) staff.	X	X	X	X	X							SCHMIDT/ Bo	4/1

*Line items pertaining solely to B-Pond have been deleted.
Change bars denote changes/additions from Rev. 0.*

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4.07	Ramps have been installed to accommodate tanker truck access to the 750 pad. [See also part 4) of NOTE under 4.05.] Transfer lines (hosing/pipes) from Clarifier to vacuum truck site have been installed. NOTE: J A Jones support to Pond ops will be employed to place required scaffolding. From C-Pond to vacuum truck loading point	J A Jones placed the modifications, under an IWCP C-Package. An AVO stating that installation is complete will close/verify. [See item 5.07]	X	X	X	X	X	X	X	X	X	X	X	X	WITHERILL	12/14	1/20	
4.08	From Clarifier to vacuum truck loading point		X	X	X	X	X	X	X	X	X	X	X	X	SCHMIDT/ TROUTMAN	4/30		
4.08A	From Clarifier to vacuum truck loading point		X	X	X	X	X	X	X	X	X	X	X	X	SCHMIDT/ TROUTMAN	4/22		
5 - FACILITY/EQUIPMENT TESTING AND CHECK-OUT																		
5.01	All ASRP construction has been inspected and found to be compliant with applicable construction/inspection requirements.	NOTE: The ASRP SA Team members assigned will physically verify the completion of all construction elements listed; and a copy of a TFI, ICF, BO, or PAT will close/verify. Temporary Facility Transfer (to Ops) approved 2/4.	X	X	X	X	X	X	X	X	X	X	X	X	WITHERILL KOZEL	1/3	2/4	
5.01A	Heater/Spoker Hose (hydro test)	Verification memo: P. Witherill to D. S. Brown, 2/4/94 A copy of PA&T (12/16/93) is in the SA file.	X	X	X	X	X	X	X	X	X	X	X	X	KOZEL	11/18	1/10	
5.01B	Tent 3 Heating Raised Tent 3 Vents (Tanks)	NOTE: Individual tank vent connection verification information is included as part of the TTC certification (Appx. C - Shipping) Delivery/Installation Form, Item #222-> See Item 2.02	X	X	X	X	X	X	X	X	X	X	X	X	SCHMIDT/ BROWN	1/19	1/12	
5.01C	Tent 4 Heating Raised Tent 4 Vents (Tanks)	NOTE: Individual tank vent connection verification information is included as part of the TTC certification (Appx. C - Shipping) Delivery/Installation Form, Item #222-> See Item 2.02	X	X	X	X	X	X	X	X	X	X	X	X	KOZEL	11/19	1/10	
5.01D	Tent 5 Heating Raised Tent 5 Vents (Tanks)	NOTE: Individual tank vent connection verification information is included as part of the TTC certification (Appx. C - Shipping) Delivery/Installation Form, Item #222-> See Item 2.02	X	X	X	X	X	X	X	X	X	X	X	X	SCHMIDT/ BROWN	1/19	1/12	
5.01E	Tent 6 Heating Raised Tent 6 Vents (Tanks)	NOTE: Individual tank vent connection verification information is included as part of the TTC certification (Appx. C - Shipping) Delivery/Installation Form, Item #222-> See Item 2.02	X	X	X	X	X	X	X	X	X	X	X	X	KOZEL	11/23	1/10	
5.01F	Tent 6 Heating Raised Tent 6 Vents (Tanks)	NOTE: Individual tank vent connection verification information is included as part of the TTC certification (Appx. C - Shipping) Delivery/Installation Form, Item #222-> See Item 2.02	X	X	X	X	X	X	X	X	X	X	X	X	SCHMIDT/ BROWN	1/28	1/12	
5.01G	Systems Operational (SO) Tests have been performed in accordance with established RFP procedures.	NOTE: SO testing activities have been rolled up into the related IWCP [see item 1.08A.6.] A copy of a TFI, ICF, BO, or PAT will close/verify. A copy of a TFI, ICF, BO, or PAT will close/verify. A copy of a TFI, ICF, BO, or PAT will close/verify.	X	X	X	X	X	X	X	X	X	X	X	X	KOZEL	7/29		
5.02	Tent 3 I&C Test (leak detection)	A copy of a TFI, ICF, BO, or PAT will close/verify.	X	X	X	X	X	X	X	X	X	X	X	X	KOZEL	7/29		
5.02B	Tent 4 I&C Test (leak detection)	A copy of a TFI, ICF, BO, or PAT will close/verify.	X	X	X	X	X	X	X	X	X	X	X	X	KOZEL	7/29		
5.02C	Tent 6 I&C Test (leak detection)	A copy of a TFI, ICF, BO, or PAT will close/verify.	X	X	X	X	X	X	X	X	X	X	X	X	KOZEL	7/29		
5.02D	Tent 6 I&C Test (leak detection)	A copy of a TFI, ICF, BO, or PAT will close/verify.	X	X	X	X	X	X	X	X	X	X	X	X	SCHMIDT/ Boyle	1/3	2/3	
5.03	A pre-operational demo has been designed and conducted to demonstrate that vacuum truck operations provide adequate protection for the pond liners.	>>S. R. Keith ttr, 94-RF-01435; to F. R. Lockhart, 2/29/94	X	X	X	X	X	X	X	X	X	X	X	X	KOZEL	1/3		
5.04	Vacuum truck dump hoses have been pressure/hydro tested or certified to be of sufficient pressure rating.	J. B. Mellen ttr, to D. S. Brown, JBM-003-94, 1/18/94	X	X	X	X	X	X	X	X	X	X	X	X	KOZEL/ DEWITT/Boyle	1/3	1/19	

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SPECIAL ASSESSMENT CHECKLIST -- ACCELERATED SLUDGE REMOVAL PROJECT (ASRP)**

ITEM NO.	REQUIREMENT / ITEM DESCRIPTION	COMMENTS / CLOSURE DOCUMENTATION	S	C	P	O	P	O	RESPONS. TEAM MEMBER > Support	DATE DUE	DATE VER/ CLSD
			A	L	P	C	P	O			
5.05	A pre-operational cold run using clean water will be conducted to verify vacuum truck operations are compatible with turning radii, door sizes, overhead clearances, etc.	>>ASRP Cold Run Test Plan, For Test 3, Rev 2, Approved 1/11/94, J. B. Mellen. Operations acceptability verified 1/31/94.	X		X	X			HOWARD/Boyle	12/14	2/3
5.06	A "dry run" of the "salt-buster" equipment will be conducted to determine compatibility with other C-Pond operations and equipment.	A memo from SPP verifying acceptability (dry run success) per ASRP, Waste Operations, RE, IH, OS, and DOE will close/verify.	X	X	X	X			SCHMIDT/ Mellen/Boyle	4/18	
5.07	Transfer lines (hosing/pipes) from Clarifier to vacuum truck site have been tested. [Ref. Item 4.08B.]	A verification of successful testing from Waste Ops will close/verify.		X	X	X			DEWITT/ Boyle	4/25	
5.08	Clarifier must be clean and dry prior to transfer to OU 4 management.	A memo of acceptance from OU 4 (SPP) management will close/verify. [Determination of "clean", rad levels, etc., are internal SPP action items.]		X		X			DEWITT/ Boyle	TBD	
6 - FACILITY/EQUIPMENT OPERATIONS											
6.01	Required maintenance activities for the vacuum trucks have been assured so as not to (negatively) impact the project schedule. NOTE: The SOW will require that the contractor will provide all regular and preventative (i.e., scheduled) maintenance without removing the vacuum truck from the Zone.	A copy of the contractor-prepared maintenance checklist will close/verify. >>Walsh Environmental Work Plan (1/17/94), p. 5 J. B. Mellen to D. S. Brown, JBM-002-94; 1/18/94 - Mice performed and verified.	X	X	X	X			SCHMIDT/ Boyle	12/8	1/19
6.02	Required maintenance activities for EG&G equipment has been assured so as not to (negatively) impact the project schedule.	These activities should be accomplished in accordance with existing operation/PMO procedures. PMOs are not required until 90 days after completion of construction. This is N/A. Decant operations will be completed before a PMO can be developed or is required.		X	X				DEWITT		12/1
6.02A	Decant pump	Interim closure is accomplished through ongoing visual inspection. An approved PMO must be developed and placed. This will require sign-off on a PATS form for Associates) and placed. This will require sign-off on a PATS form for closure/verification.		X	X				DEWITT	7/29	
6.02B	Leak detection	An approved PMO should be developed (by Walsh & Associates) and placed. This will require sign-off on a PATS form for closure/verification.		X	X				SCHMIDT/ Troutman	7/29	
6.02C	"Salt-buster"	>>Certification of off-site unit completed (tags in SA files) >>R. Heitland ltr. to T. d. Beckman, 1/13/94, Calculated loads >>T. G. Bourgeois memo. to J. B. Mellen, 1/13/94, Crane [SESS and WORC approvals may also be required.]		X	X	X			CHOJNACKI/ Bourgeois	1/3	1/13
6.04	OPERATIONS PROCEDURES/ORDERS HAVE BEEN APPROVED AND ARE CONTROLLED.	[SESS and WORC approvals may also be required.]		X	X	X			CHOJNACKI/ Bourgeois	1/3	1/13
6.04B	>>OO-788-08, 207 C Pond Sludge Transfer Operations (including specific gravity contingency)	Verification of concurrent review and a copy of the approved cover page will close/verify.		X	X	X			TROUTMAN/ Valencia	5/1	
6.04C	>>"Roto-Mill" Procedure, 207 C Pond	A copy of the approved procurement document specifying this as a subcontractor responsibility will close/verify. Walsh & Associates is tasked with development.		X	X	X			TROUTMAN	4/15	

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			S	A	C	P	L	C	O	P	C	O								
6.04D	>>OO-788-09, Bldg. 788 Clarifier Sludge Transfer Operations >>OO-788-03, Decant Operations	Verification of concurrent review and a copy of the approved cover page will close/verify. Verification of concurrent review and a copy of the approved cover page will be accepted for closure/verification. 1/5->in comment resolution																		
6.04E	>>OO-788-04, Waste Solidification Decontamination Ops (to include "standard" spill response) Vacuum Truck-specific Decontamination	Approved (1/11/94) cover page for Waste Solidification Procedure Ops Order OO-788-04, Rev. 0, is in the SA file. Accomplished through IWCP [see items 1.08A,7 and 6.08A / 6.08B]																		
6.04F	>>OO-788-04, Waste Solidification Decontamination Ops (to include "standard" spill response) Vacuum Truck-specific Decontamination	Approved (1/11/94) cover page for Waste Solidification Procedure Ops Order OO-788-04, Rev. 0, is in the SA file. Accomplished through IWCP [see items 1.08A,7 and 6.08A / 6.08B]																		
6.04G	Clarify and resolve DOE concerns with truck decon operations procedural interfaces. Develop more effective and clear linkage between Standard Decon procedure, Walsh procedure(s), and the IWCP-based decon procedure. Spill response procedure, to address storm drains, berms, trucks during transit, etc.	A copy of the summary or "white paper" outlining the established interfaces and any corrective actions to be taken will close/verify. Existing RFP "hazardous spill" procedures are sufficient for more "catastrophic" contingencies. Placement of "gel-pacs" on storm drains has been included in OO-788-02 (item 6.04A). Verification of concurrent review and a copy of the approved cover page will close/verify. Walsh & Associates is tasked with development. This contingency is included in 6.04B.																		
6.04H	"Salt-Buster"-specific final decontamination	Verification of concurrent review and a copy of the approved cover page will close/verify. Walsh & Associates is tasked with development. This contingency is included in 6.04B.																		
6.04I	>>Contingency Procedure for Specific Gravity Over 1.7 OO-788-07, "Salt Buster" Periodic Rinse Down	Verification of concurrent review and a copy of the approved cover page will close/verify.																		
6.04J	>>Contingency Procedure for Specific Gravity Over 1.7 OO-788-07, "Salt Buster" Periodic Rinse Down	Verification of concurrent review and a copy of the approved cover page will close/verify.																		
6.04K	Complete and updated briefing(s) must be held prior to movement of sludge from C-Pond and/or Clarifier.	A copy of the pre-ev agenda(s)/roster(s) will close/verify.																		
6.05A.1	Complete and updated briefing(s) must be held prior to movement of sludge from C-Pond and/or Clarifier.	A copy of the pre-ev agenda(s)/roster(s) will close/verify.																		
6.05A.2	Complete and updated briefing(s) must be held prior to "Salt Buster" operations.	A copy of the pre-ev agenda(s)/roster(s) will close/verify.																		
6.06	POD meeting(s) are scheduled/held.	The Team acknowledges that applicable PODs are being attended by the responsible parties. >>R. W. Norton II, RWN-002-94, to D. S. Brown (1/5/94). PRE No. 010394-WS079-001 is in place, pending the arrival of the equipment on site.																		
6.07	A pre-inspection/radiological survey of the vacuum truck(s) has been conducted prior to entry onto plant-site. NOTE: Truck(s) must be re-inspected if they leave plant site between B-Pond and C-Pond operations. Conduct pre-screen of "salt-buster" equipment.	Copy of appropriate documentation from Radiological Eng'g will close/verify.																		
6.07C	Conduct pre-screen of "salt-buster" equipment.	Copy of appropriate documentation from Radiological Eng'g will close/verify.																		

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ITEM NO.	REQUIREMENT / ITEM DESCRIPTION	COMMENTS / CLOSURE DOCUMENTATION	CHECKLIST										RESPONS. TEAM MEMBER Support	DATE DUE	DATE YEH/ CLSD				
			S	A	P	L	C	O	P	C	O	P							
6.08	A decontamination plan, specific to the vacuum truck(s) and decon operations at the PA Decon Pad has been prepared and approved.	Vacuum truck(s) is to be decontaminated prior to leaving the Zone (at completion of operations). The completed PRE (see Item 6.07) will provide this verification. Confined space permit(s) will be required, but not used until post ops.																	
6.08B	A plan is in place for decontamination following the conclusion of C-Pond operations, if truck(s) leave plant site (PA) following emptying of C-Pond.	Verification of plan acceptance by Radiological Engineering is required for closure of this item. Ref->IWCP #TD073856, "Vacuum Truck: Decon"																	
B.1	A confined space permit will be required to facilitate decon of the interior of the truck tank at the conclusion of C-Pond operations.	Permit has been provisionally initiated under WCN TD073856. Will be used only if required, and only after ops completion.																	
6.08C	A plan is in place for decontamination following the conclusion of Clarifier operations, if truck(s) leave plant site (PA) following emptying of C-Pond. [This is PreStart for Clarifier only.]	Verification of plan acceptance by Radiological Engineering is required for closure of this item. Ref->IWCP #TD073856, "Vacuum Truck: Decon"																	
C.1	A confined space permit will be required to facilitate decon of the interior of the truck tank at the conclusion of Clarifier operations.	A copy of the applicable permit, if required, will close/VERIFY.																	
6.09	Prudent precautions are in place against compromising the integrity of the C-Pond liner.	A status/position paper, outlining the procedural and design elements considered, signed by the ASRP Project Manager, will close/Verify.																	
7 - HEALTH AND SAFETY																			
7.01	A Basis for Interim Operations* (BIO) for the ASRP has been developed and has been approved by DOE.	The BIO is phased to accommodate B Pond first, followed by C Pond. [See Items 1.04D and 1.04 E]																	
7.02	A Health & Plan (HASP) has been prepared and approved and entered into document control. [ER Site Health & Safety Program Plan, Chptr. 6; RCRA/CFRS]	NOTE: The current "HASP, Solar Pond Waste Processing Areas, Rev. 2" (HNUS) is written for "pondcrete" operations NOTE: Differences between B-South and C pond may require additional efforts in these regards.																	
7.02A	Prepared																		
A.1	Confirm that all DOE comments have been resolved/included	Confirmed by P. Witherill at SA Team meeting, 3/30.																	
7.02B	Approved	Copy of HASP approval page (1/10/94) in the SA file.																	
7.02C	Controlled	A copy of the receipted records transmittal form will be accepted as closure/verification. Ops to control document.																	
7.02D	Prepare and issue revised HASP to include C-Pond/Salt Buster* and Clarifier scope changes.	HASP approval page with all signatures AND verification of controlled distribution by Waste Operations will close/verify. The JSA will be included as part of the HASP																	
7.03	A Job Safety Analysis (JSA) has been performed and the resulting findings addressed.																		
7.03A	JSA completed.	HASP approval page (1/10/94) is in the SA file.																	
A.1	Amend/revise for C-Pond/Salt Buster* and Clarifier scope.	HASP approval page with all signatures will close/verify.																	

*Line items pertaining solely to B-Pond have been deleted.
Change bars denote changes/additions from Rev. 0.*

**ROCKY FLATS PLANT - ENVIRONMENTAL RESTORATION MANAGEMENT
SPECIAL ASSESSMENT CHECKLIST -- ACCELERATED SLUDGE REMOVAL PROJECT (ASRP)**

ITEM NO.	REQUIREMENT / ITEM DESCRIPTION	COMMENTS / CLOSURE DOCUMENTATION	S I C O C										RESPONS. TEAM MEMBER Support	DATE DUE	DATE VER/ CLSD	
			A	P	L	P	C	O	C	O	C	O				
8 - TRAINING AND QUALIFICATION																
8.01	SPP/ASRP and Waste Ops personnel, and all subcontractor personnel have received training and orientation, as applicable. [1-11300-QAP-ASRP, §7.2.6] NOTE: Not all personnel are required to comply with all training.	NOTE: Personnel matrices MUST be provided to facilitate verification of these requirements. NOTE: Refer to the QAP for a responsibility-based categorization of training requirements. Copy of orientation attendance roster														
8.01A.1	ERM QA Overview Briefing (ERM-001)	Copy of orientation attendance roster	X	X	X	X	X	X	X	X	X	X	X	X	X	
8.01A.2	ASRP QAP orientation/briefing (revised for C-Pond/Clarifier)	Copy of orientation attendance roster	X	X	X	X	X	X	X	X	X	X	X	X	X	
8.01B	Applicable Specific Training/Reading	-----														
B.1	>>>Decon Facility Training (019-865-01)	Training roster/briefing roster/reading list	X	X	X	X	X	X	X	X	X	X	X	X	X	
B.2	>>>Applicable H&S Practices per the HASP	Training roster/briefing roster/reading list	X	X	X	X	X	X	X	X	X	X	X	X	X	
B.3	>>>ASRP C-Pond operating procedures (029-194-01)	Training roster/briefing roster/reading list	X	X	X	X	X	X	X	X	X	X	X	X	X	
B.4	>>>Emergency Preparedness Plan (019-866-01)	Training roster/briefing roster/reading list	X	X	X	X	X	X	X	X	X	X	X	X	X	
B.4	>>>Applicable Operations Orders	Training roster/briefing roster/reading list	X	X	X	X	X	X	X	X	X	X	X	X	X	
8.01C.1	>>>OSHA Haz. Waste 40-Hour (018-691-03)	TSR verification	X	X	X	X	X	X	X	X	X	X	X	X	X	
8.01C.2	>>>OSHA Haz. Waste 8-Supervisor (018-691-01)	TSR verification	X	X	X	X	X	X	X	X	X	X	X	X	X	
8.01C.3	>>>OSHA Haz. Waste 8-Hour Refresher (018-691-05)	TSR verification	X	X	X	X	X	X	X	X	X	X	X	X	X	
8.01C.4	>>>OSHA Haz. Waste OJT (018-691-07)	TSR verification	X	X	X	X	X	X	X	X	X	X	X	X	X	
8.01D	RFP GET (019-235-0203)	TSR verification	X	X	X	X	X	X	X	X	X	X	X	X	X	
8.01E	Haz Communications CBT (019-750-01)	TSR verification	X	X	X	X	X	X	X	X	X	X	X	X	X	
8.01F	Fire Extinguisher Training (021-915-01)	TSR verification	X	X	X	X	X	X	X	X	X	X	X	X	X	
8.01G	DOT Hazmat Employee Training (023-434-01)	TSR verification	X	X	X	X	X	X	X	X	X	X	X	X	X	
8.01H	Radiation Worker I or II (023-481/482-01)	TSR verification	X	X	X	X	X	X	X	X	X	X	X	X	X	
8.01I	Nuclear Materials Safeguards (038-597-01)	TSR verification	X	X	X	X	X	X	X	X	X	X	X	X	X	
8.01J	Building-Specific Indoctrinations	-----														
J.1	>>>750-Pad (063-469-01)	TSR verification	X	X	X	X	X	X	X	X	X	X	X	X	X	
J.2	>>>Bldg 788 (063-440-01)	TSR verification	X	X	X	X	X	X	X	X	X	X	X	X	X	
8.01K.1	>>>Waste Generator (067-285-01)	TSR verification	X	X	X	X	X	X	X	X	X	X	X	X	X	
8.01K.2	>>>Waste Generator Re-Qual (067-291-02)	TSR verification	X	X	X	X	X	X	X	X	X	X	X	X	X	
8.01L	Computer Security for Users (079-595-01)	TSR verification	X	X	X	X	X	X	X	X	X	X	X	X	X	
8.01M	Confined Space Training (068-741-01)	TSR verification	X	X	X	X	X	X	X	X	X	X	X	X	X	
8.01N.1	>>>RCRA Checklist (018-442-01)	TSR verification	X	X	X	X	X	X	X	X	X	X	X	X	X	
8.01N.2	>>>RCRA CBT (023-435-01)	TSR verification	X	X	X	X	X	X	X	X	X	X	X	X	X	
8.01O	Hearing Conservation (071-400-01)	TSR verification	X	X	X	X	X	X	X	X	X	X	X	X	X	
8.01P	Respirator Indoc. (056-284-01) & Resp. Fit (as applicable)	TSR verification	X	X	X	X	X	X	X	X	X	X	X	X	X	

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**ROCKY FLATS PLANT - ENVIRONMENTAL RESTORATION MANAGEMENT
SPECIAL ASSESSMENT CHECKLIST -- ACCELERATED SLUDGE REMOVAL PROJECT (ASRP)**

ITEM NO.	REQUIREMENT / ITEM DESCRIPTION	COMMENTS / CLOSURE DOCUMENTATION	SPECIAL ASSESSMENT CHECKLIST										RESPONS. TEAM MEMBER Support	DATE DUE	DATE VER/ CLSD			
			S	A	P	C	O	P	C	O	L	S				E	N	
ext	ASRP Special Assessment Team Members	CONCURRENCE with Rev. 1 Scope/Content and ACCEPTANCE OF RESPONSIBILITY for closure/verification of identified actions:																
8745	D. S. Brown, ERM R/R Coordinator	/s/ David S. Brown 4/7/94																
8713	T. D. Schmidt, ASRP SME	/s/ T. D. Schmidt 4/8/94																
4869	D. Chojnacki, Safety & Hygiene	/s/ D. Chojnacki 4/6/94																
3324	S. W. DeWitt, Waste Solidification (Waste Ops)	/s/ S. W. DeWitt 4/7/94																
8598	W. A. Sproles, ERM/EQS	/s/ W. A. Sproles 4/11/94																
2576	S. T. Kozel, Waste Mgt Systems Engineering	/s/ S. T. Kozel 4/7/94																
4075	R. W. Norton, Radiological Engineering	/s/ R. W. Norton 4/8/94																
4430	D. A. Parker, RFP Traffic	/s/ D. A. Parker 4/6/94																
8588	B. A. Troutman, SPP Project Support	/s/ B. A. Troutman 4/8/94																
6585	M. A. Witherill, DOE/ER	/s/ Margaret A. Witherill 4/6/94																
ASRP Special Assessment Board Members			APPROVAL of Rev. 1 Scope/Content:															
8517	M. C. Broussard, ERM/EOM - Board Chair	<i>M. C. Broussard</i> 4-14-94																
8540	S. G. Stiger, ERM AGM	<i>S. G. Stiger</i> 4-14-94																
8541	S. R. Keith, ERM/SPP Director	<i>S. R. Keith</i> 4-14-94																
7846	F. R. Lockhart, DOE/ER																	
Other Resources																		
8725	T. d. Beckman, ASRP Project Manager																	
6968	L. A. Collins, ASRP																	
8302	R. A. Frank, Waste Ops																	
8585	K. C. London, SPP Reg. Compliance																	
6970	V. P. Valencia, SPP Procedure Development																	

TOTAL ITEMS >>> 181

TOTAL PRESTART ITEMS >>> 152

OPEN 69

CLOSED 85

TOTAL POSTSTART ITEMS >>> 29

OPEN 19

CLOSED 10

Line items pertaining solely to B-Pond have been deleted.
Change bars denote changes/additions from Rev. 0.

**ACCELERATED SLUDGE REMOVAL PROGRAM
SPECIAL ASSESSMENT**

Open Checklist Items as of April 14, 1994

ITEM	REQUIREMENT	STATUS (BOLD denotes Pre-Start to Salt-busting)
1.02A.1a	BCP for Salt-buster cost/schedule	<u>Post-Start</u> . This is not a scope change BCP.
1.02A.1b	Same as above (additional tanks and ops monies)	This item is Pre-start to Clarifier sludge movement only, not to salt-busting.
1.04E.1	Update to FSAR.	<u>Post-Start</u> . Will be entered into PATs.
1.04F	DOE startup approval for C-Pond/Clarifier	DOE final authorization letter will close this item.
1.05B	DMR to ASRP QAP	<u>Post-Start</u> . Administrative change only.
2.02B 2.02 C	Identification/installation of sludge tanks	This is proceeding on a phased basis. CDH certification requirement is being met. Open status is <u>administrative only</u> , due to phased nature of Checklist.
3.01A.3	Change to Interim Status for C-Pond/Clarifier sludge	Pending CDH Approval. This item is Pre-start to sludge movement only, not to salt-busting.
3.01A.4	Specific gravity contingency	Addressed under Item 6.04B. Open status is <u>administrative only</u> .
3.01C.1 3.01C.2	Placarding/signage on vacuum trucks	These items Pre-start to sludge movement only, not to salt-busting.
3.01E	CVSA inspection of vacuum trucks	This item is Pre-Start to C-Pond or Clarifier sludge movement, whichever comes first.
3.05	Initiate WSRIC mods. Complete WSRIC mods.	CLOSED. <u>Post-Start</u> . Will be entered into PATs.
4.08A	Install transfer lines, C-pond to truck loading point.	This item is Pre-start to C-Pond sludge movement only, not to salt-busting.
4.08B	Install transfer lines, Clarifier to truck loading point.	This item is Pre-start to Clarifier sludge movement only, not to salt-busting.
5.02	SO Test of leak detection.	<u>Post-Start</u> . Will be entered into PATs.
5.06	Salt-buster "dry run".	Pending arrival of equipment.
5.07	Clarifier sludge transfer lines tested.	This item is Pre-start to Clarifier sludge movement only, not to salt-busting.
5.08	Clean/dry Clarifier before transfer to OU 4.	<u>Post-Start</u> . Will be entered into PATs.
6.02A	PMO for leak detection.	<u>Post-Start</u> . Will be entered into PATs.
6.02B	PMO for Salt-buster.	<u>Post-Start</u> . Will be entered into PATs.

ITEM	REQUIREMENT	STATUS (BOLD denotes Pre-Start to Salt-busting)
6.04B	C-Pond sludge transfer procedure (incl. specific gravity contingency).	This item is Pre-start to C-Pond sludge movement only, not to salt-busting.
6.04C	C-Pond "roto-mill" procedure.	Pending.
6.04D	Clarifier sludge transfer procedure.	This item is Pre-start to Clarifier sludge movement only, not to salt-busting.
6.04E	Decant operations procedure.	<u>Post-Start.</u> Will be entered into PATs.
6.04G.1	Clarify decon procedure interfaces.	<u>Post-Start.</u> Administrative.
6.04I	Salt-buster final decon procedure.	<u>Post-Start.</u> No decon activities required prior to startup.
6.04K	Salt-buster periodic rinse down procedure.	Pending.
6.05A.1	Pre-ev briefing for C-Pond and/or Clarifier.	This item is Pre-start to C-Pond and/or Clarifier sludge movement only, not to salt-busting.
6.05A.2	Pre-ev briefing for Salt-busting operations.	Pending.
6.07C	Pre-screen of salt-busting equipment.	Pending.
6.08B.1	Confined space permits.	<u>Post-Start.</u> Provisional Checklist items only.
6.08C.1		
6.09	Maintain liner integrity.	Pending .
7.02D	HASP approved with salt-buster changes.	Pending.
7.02C	Control of HASP.	<u>Post-Start.</u>
7.03A.1	Revised JSA for salt-busting.	Addressed as part of 7.02D.
7.04B.1	Revised/controlled EPIP for salt-busting.	Pending.
7.04C	Approval and control of final EPIP.	<u>Post-Start.</u> Will be entered into PATs.
7.04D		
7.05B	C-Pond RWPs.	Pending.
7.05C	Clarifier RWPs.	This item is Pre-start to Clarifier sludge movement only, not to salt-busting.
7.06	DOP testing of vacuum trucks.	This item is Pre-start to C-Pond sludge movement only, not to salt-busting.

<i>ITEM</i>	<i>REQUIREMENT</i>	<i>STATUS (BOLD denotes Pre-Start to Salt-busting)</i>
7.07 A/B/C	Salt-buster H&S checkout.	Pending.
7.08 7.08A	C-Pond RMA re-posting.	Pending.
8.01	Training & Qualification	Checklist provides details. Requirements and verifications are activity-specific (i.e., "salt-busting", C-Pond sludge, or Clarifier sludge).

DRAFT

April 15, 1994

Accelerated Sludge Removal Project Special Assessment

M. C. Broussard, Manager
Environmental Operations Management
EG&G Rocky Flats, Inc.

The Environmental Restoration Division has reviewed the Evidence of Readiness documentation for the C-Pond/Clarifier portion of the Accelerated Sludge Removal Project (ASRP) transmitted by your letter **94-RF-nnnnn**, dated **MMM, DD, 1994**. This letter summarized the use of a graded approach to the readiness review process and recognized the phased nature of the sludge operations on the basis of varying constituent characterization. Administration of the review (Special Assessment) process was conducted in accordance with ERM procedure 3-21000-ADM-18.03, Readiness Review.

Based upon our review, the Environmental Restoration Major System Acquisition declares that startup of the "salt-busting, C-Pond, and Clarifier operations of the ASRP is authorized, on the phased basis indicated by the documentation, and conditional on completion of remaining C-Pond/Clarifier Pre-Startup actions. DOE/ER,MSD is satisfied that the actions plans/completion activities presented will adequately ensure closure prior to actual startup of the operational phases. DOE proposes a final status verification briefing prior to the actual movement of C-Pond and/or Clarifier sludge. Successful completion of this briefing will constitute the final DOE authorization for sludge movement.

Post-Startup concerns should be entered into the RFP Plant Action Tracking system (PATs) to ensure and document their closure. We request that EG&G provide us with a copy of the final Special Assessment Checklist once all C-Pond/Clarifier Pre-Startup Pre-startup items are closed. Any questions concerning this declaration of operational readiness should be addressed to Frazer Lockhart at extension 7846.

Frazer R. Lockhart
Director
Environmental Restoration Major System Acquisition

DSB