



KAISER • HILL  
COMPANY

## MEMORANDUM

Date: April 9, 2003

Minutes are unclassified and  
NOT UCNI: M.S. SIMMONS  
B371 ASSESSMENTS  
4/7/03

To: Jan Robbins, T130G

From: David Ward

Subject: WEEKLY STATUS MEETING DOE/LRA for April 9, 2003

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Attached are the minutes for the referenced weekly meeting for the Operating Record.  
In attendance were:

D. Coyne	S. Thompson
D. Delvecchio	K. Trice
H. Gilpin	R. Vonfeldt
B. Larson	D. Ward
W. Moe	J. Zaret
D. Onyskiw	

Additional items discussed:

1. James Hindman was notified of reinstating room 3412 to active Permitted storage status.
2. A contact record with James Hindman was issued concerning: 1) treatability study for 374 tank sludge; 2) treatment of sludge based on the treatability study under S002 of the RCRA permit; 3) packaging the sludge from tank D-824A with B774 sludge.

Action items:

No Change to below action items:

1. DOE will issue a contact record confirming completion of the following Sets, which were walked down by the State and DOE on April 2, 2003: Set 3, 5, 11, 32, 12 rasching ring removal, and 12 cerium rinse. – Fred Gereman.
2. DOE will notify the Defense Board that residues will be disposition by repacking and/or with the pallets from CSV which is ever the most appropriate. This action required additional information which is in process of being supplied to DOE.– Fred Gerdeman and Jim Floerke

End



1/13  
371/4 Project  
WEEKLY STATUS MEETING DOE/LRA for April 9, 2003

B371-A-000129  
-ADMIN RECORD

**Ward, David**

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**From:** Cunningham, Steven  
**Sent:** Thursday, April 10, 2003 10:55 AM  
**To:** Ward, David  
**Cc:** 'Ken Green'; Hoffman, Betty; Nesheim, Janet  
**Subject:** RE: WEEKLY DOP MINUTES - reviewed as unclassified and NOT UCNI

Scattered throughout the word documents is the error of "rasching" rings. They are "Raschig" rings (capitalized). The Excel document has it correct.

Documents are Unclassified, not UCNI, and approved for Public Release.

You caught us short several folks (Betty and Ken are on travel) and I just happened to be here for a bit between meetings. Suggest you add Janet Nesheim to the list of my staff you send this to for review, to ensure at least someone in the Classification Office is here to review it.

*Steve Cunningham*   
*Manager, Classification Office*  
x7352



-----Original Message-----

**From:** Ward, David  
**Sent:** Thursday, April 10, 2003 10:27 AM  
**To:** Hoffman, Betty; Cunningham, Steven; Green, Ken  
**Subject:** WEEKLY DOP MINUTES - reviewed as unclassified and NOT UNIC

Attached is the weekly DOP minutes, in two parts, along with the transmittal memorandum for April 9, 2003. All three documents have been reviewed by Mike Simmons, who has signed on the cover page of transmittal memorandum, that they are unclassified and NOT UCNI.

Your return E-mail indicating approval will accompany the minutes to the Administrative Record for access by the public.

David Ward  
X5938

<< File: TRANSMITTAL MINUTES (2).doc >> << File: AGENDA.doc >> << File: Weekly State Status - (04-09-03).doc >> << File: Environmental Matrix Changes.xls >>

## **B371 CLOSURE PROJECT**

### **WEEKLY STATUS MEETING**

**[Every Wednesday, 9:30 am. B371 Conference Room]**

#### **AGENDA**

**April 9, 2003**

**INTRODUCTION** – David Ward, X5938 (212-2578)

**D&D** – Jim Floerke, X2850 (212-3292)

**D&D WASTE** –David Ward

**PuSPS / BUILDING OPERATIONS** – Kelly Trice, X6383 (212-5657)

**CONSTRUCTION / MAINTENANCE** –Dan Coyne X2820 (212-6200)

**AUTHORIZATION BASIS / BIO** – Howard Gilpin, X3701 (212-3603)

**ENVIRONMENTAL & ACTION ITEMS** – David Ward

#### **OUTSTANDING ACTION ITEMS**

None

1. DOE will issue a contact record confirming completion of the following Sets, which were wakked down by the State and DOE on April 2, 2003: Set 3, 5, 11, 32, 12 rasching ring removal, and 12 cerium rinse. – Fred Gerdeman.
2. DOE will notify the Defense Board that residues will be disposition by repacking and/or with the pallets from CSV which is ever the most appropriate. – Fred Gerdeman

**D&D Summary (AAC/AAD)  
Week Ending 04/04/03**

<b>D&amp;D</b>
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**Set 3 (1AD103BD00)**

- Scope and walkdown and complete.

**Set 4 (1AD104BD00)**

- Mechanical stripout in process.
- GB33 internal component removal in process.
- Electrical isolation and stripout is complete.

**Set 5 (1AD105BD00)**

- Scope and walkdown complete.

**Set 6 (1AQ31DR02B)**

- Scanning of tanks in rooms is complete.
- Engineering and Planning activities in process.
  - Glovebox internal component removal in process as resources are available.
  - D&D package for Room 3563 in process.
  - Permacon package ready to work. Material due end of March.
  - D&D package for Room 3553 ready to work.
- Electrical isolation and stripout package in process.

**Set 9 (CSV)**

- Entries for decon and pallet removal in repair bay complete.
- Package for relocation of BMS switch ready to work.
- Initiated pallet removal through I/O 8. 57 of 1,147 pallets removed.

**Set 10 (Utility Scrubber) Dismantlement (1AD110BD00)**

- Vault scans complete.
- Vault closure approved.
- Alarm removal package in process.

**Set 11 (Storage Vault) Dismantlement (1AD111BD00)**

- Scope and walkdown complete.

**Set 12 Dismantlement (1AD112BD00)**

- Dismantlement engineering/planning in process.
- Internal GB component removal in process. Working GBs 17, 20, and 31.

**Set 13 Dismantlement (1AD113BD00)**

- Electrical isolation and stripout in process.
- Dismantlement planning and engineering activities in process.
  - Room 2307 D&D in process.
  - Room 2317 D&D at pre-reqs.

**Set 14 Dismantlement (1AD114BD00)**

- Electrical isolation is 100% complete.
- Mechanical isolation package is 90% complete.
- Room 2339 D&D completed.
- GB 7, 9, 10, 12, and 13 - Removal is 100% complete.
- GB 8 - Removing piping interference and installing tent.

**Set 16 Dismantlement (1AD116BD00)**

- Electrical isolation and stripout package in process.
- Mechanical isolation and stripout package initiated.
  - GB33 removal in process
  - Preparing for canyon entries for component size reduction and removal.

**Set 32 Dismantlement (1AD132BD00)**

- Scope and walkdown complete.

**Tanks**

- Set 12 – Rasching ring removal and cerium rinse scope and walkdown complete. (1AC112ET00)
- Set 6 - Ring Removal for Room 3563 complete. Tank 52A, 52B, 49A, 49B, 49C, and 49D, complete. (1AC106ET00)
- Set 10 - Ring Removal package ready to work. (1AC110ET00)

**Packages Ready to Work Pending Resources**

- Set 6 Mechanical stripout (3553).
- Set 6 Permacon install and door removal.
- Set 13 Mechanical stripout (2317).
- Set 58 Mechanical stripout.

**D&D Waste**

**Repackage/disposition the remaining 3000 legacy drums**

- Starting inventory (May 3, 2002) = 3,163 (revised to include 220 in B374)
- April 7, 2003 inventory = 1,440

<u>Drum Category</u>	<u># 55 Gallon Drums</u>
No glovebox processing	235
Box & Go	104
Drum repack (e.g. c-cell)	292
Glovebox processing	44
Empty	136
Active Standards	3
Unknown - Standards (Waiting disposition)	35
Unknown - Disposition	8
New Generation/New empty	460
<b>Building 371 Total</b>	<b>1,318</b>
<b>Building 374 Total</b>	<b>122</b>
<b>Grand Total</b>	<b>1440</b>

Net Drum Loss for Week . 13

Material Stewardship containers received to date 75

**HSGS/Box-N-Go**

- HSGS Complete
- 22 Box-N-Go SWBs completed – 94 remaining

**Room 3305 Repack/Size Reduction Tent Status**

- Tent size reduction operations continue.
- Two containers repackaged.

**PuSPS/BUILDING OPERATIONS**

**PuSPS**

- Good cans in final review : 1584 increase of 17 cans from 4/1/03
- Data packages approved : 1500 increase of 18 cans from 4/1/03
- Feed cans remaining: 688
- Pretreatment batches completed: 113
- Approval has been received to ship 30 Pu/tantalum parts along with other classified material to Savannah River.

**Building Operations**

- 9975 containers packaged: 1396
- SRM 9975 containers packaged: 29 of 150 (est.)
- DT22s packed 240
- LL oxide cans generated: 466 of 1400 (est.)
- Remaining Cats and Dogs
  - Stand alone items: 18
  - Items in 55 gallon drums: 48
  - Items in 10 gallon drums: 14
  - Total Items 80

## CONSTRUCTION / MAINTENANCE

### **Area AM Dismantlement [Rooms 4101, 4102, 4103 and 4104] (1AD1AMBX00)**

- On-Hold for west wall removal

### **B371/374 Demolition Contract**

- Contract went out for bid January 27.

### **B371 Underslab Characterization**

- 7 samples from 371 and 6 from 374 have been pulled. 29 total samples will be pulled from 371 and 7 total will be pulled from 374.

### **B371 West Wall Removal**

- Removing studs, ceiling tile and grid. Setting up for sprinkler head modifications

### **Set 56 Sludge Removal/ (1AD456BD00)**

- Complete, tanks clean, surveyed and encapsulated.

### **Set 18 Sludge Removal**

- Cleaned, surveyed and encapsulated Tanks 816.
- Cleaning tanks 826 A/B/C
- Set includes 11 tanks and 41K gallons of sludge.

### **Packages Ready to Work Pending Resources**

- Set 21 Dismantlement (1AD421BD00)
- Set 57 Electrical Removal (1AD457BD00)
- B371 Asbestos Removal (\$138K)
- Set 56 Mechanical Dismantlement
- Set 58 Mechanical Dismantlement

### **In-process Security Surveillance System**

- Installing conduit and panels

### **Set 4 Tank Removal**

- Relocated 2 tanks to support glovebox removal
- Tanks will be removed when glovebox is removed

# Basis for Interim Operations (BIO)

Week Ending 04-11-03

## PuSPS

- None

## Operations

- Streamline JCO to support open Hatch in Room 1214 to support CSV pallet Removal. **(Drafted – ready for submittal when needed)**
- Page change to remove Process Water Seismic Isolation and Attic Leak Detection Systems **(With RFFO for approval)**
- Streamline JCO to support batching oxide material in 3515 **(Being drafted)**

## D&D Support

- JCO for transferring large/long items through airlocks **(On Hold)**
- Page Change to allow storage of drums and SWB's in B374 **(On hold)**

## DBIO Development/Implementation.

- Resolving DOE Comments on the Document/TSR
- Target final submittal to DOE, RFFO with all comments incorporated 4/9/03

Out-of-commission – USQDs for placing dismantlement sets out-of-commission:

Set	Date Completed	Date to DOE	Response Due	Response/ Approval
<b>Pending</b>				
12 Ph. 2	4/4/03	4/7/03	4/15/03	
17				
<b>Complete</b>				
16	1/13/03	1/13/03	1/20/03	2/5/03
57	1/27/03	1/27/03	2/3/03	2/5/03
6	12/17/02	12/19/02	12/27/02	1/13/03
58	8/9/02	8/16/02	8/23/02	9/12/02
25	9/9/02	9/10/02	9/17/02	9/20/02
21, Ph. II	7/2/02	7/3/02	7/10/02	7/26/02
3, 4, 5	6-4-02	6/10/02	6/17/02	6/14/02
Bldg. 374 Process Steam	5-16-02	5-20-02	5-27-02	5-23-02
24	9-27-01	10-1-01	10-8-01	10-1-01
7	10-24-01	10-30-01	11-6-01	11-6-01
14	11-13-01	11-28-01	12-5-01	12-05-01
13	12-13-01	12-18-01	12-25-01	1-30-02
21, Ph. I	12-11-01	1-15-02	1-22-02	1-29-02
12, Ph. 1	1-2-02	1-15-02	1-22-02	1-29-02
15	1-9-02	1-24-02	1-31-02	N/A
15 (USQD Rev 1)	2-19-02	2-26-02	3-05-02	3-19-02
AM, Ph. 1	2-27-02	3-11-20	3-18-02	3-18-02
Process Vent, Sets 12/13	3-13-02	4-11-02	5-02-02*	5-01-02
Caustic transfer line	4-01-02	4-15-02	4-30-02*	5-01-02
56	4-3-02	4-15-02	5-2-02	Revision requested
56 (USQD Rev 1)	5-7-02	5-9-02	5-16-02	5-15-02
PWTS	Cancelled			

**ENVIRONMENTAL STATUS**  
REGULATED ITEMS - CHANGES

Location	SET	AREA	RCRA UNIT DESCRIPTION	Unit #/Idle Equip. #	Status	comments
3517	3		Tanks: D132A/B/C	MRT	Raschig Rings removed from Tanks D132A/B/C. No visible sludge or rings remaining. Tank D132C was removed on 1/16/03 and dispositioned as non-hazardous waste. Tank D132A was removed on 1/16/03 and dispositioned as non-hazardous waste. Tank D132B was removed on 1/20/03 and dispositioned as non-hazardous waste. <b>Quarterly inspection still required because process piping running through room</b>	
3517	3		Tanks: D64, D65		Tank 64 was removed on 1/14/03; Tank 65 was removed on 1/13/03 (both were idle equipment)	
3517	3		Nitric Acid Recirc pump 31-11, P28A	IE: 0049	Removed 3/03	
3517	3		Nitric Acid Recirc pump 31-11, P28B	IE: 0050	Removed 3/03	
3517	3		Nitric Acid Recirc pump 31-11, P29A	IE: 0051	Removed 3/03	
3517	3		Nitric Acid Recirc pump 31-11, P29B	IE: 0052	Removed 3/03	
3517	3		Nitric Acid pump 31-15, P63	IE: 054	Removed 3/03	
3517	3		Pumps P-29A/B	IE: 0107	Removed 3/03	State walkdown completed Set 4/2/03.
3517	3		Pumps P-33A/B, P-34A/B	IE: 0109	Removed 3/03	State walkdown completed Set 4/2/03.
3573	5		Tanks: D134A/B/C, D135A/B, D289A/B, D289C.	MRT	Tanks 289A(12/02/02),B(12/04/02),C(01/07/03), 134A(12/10/02),B(12/10/02),C(12/10/02) and 135A(12/10/02), B(12/03/02) has been removed. Room is empty of tanks. <b>Removed from quarterly inspections 4/03</b>	T0107988 State walkdown completed Set 4/2/03.

**ENVIRONMENTAL STATUS**  
REGULATED ITEMS - CHANGES

Location	SET AREA	RCRA UNIT DESCRIPTION	Unit #/Idle Equip. #	Status	comments
3303	7	Mixed Residue Tank - Ancillary Equipment only	MRT	Removed ancillary equipment 12/02 Removed rm 3303 from quarterly inspections.	T0108601 drain waterwalls
3305	7	Container Storage - Room	371.1A	The container storage refers to 3 crated gloveboxes only. All 3 gloveboxes have been uncrated, characterized, and wrapped for storage. They are temporarily stored in room 3408 until a size reduction/decontamination tent is constructed. The gloveboxes will either be further decontaminated to meet SCO or the lead will be removed for disposal.	DD07005 el. Iso. DD0776 DD07006, DD07011 iso/str rm 3303
3305	7	Pumps: P171, P172, P173, P174, P175, P176, P177, P178, P179, P180	IE: 0122	All pumps have been removed and wasted as RCRA non-hazardous.	State walkdown completed Set 1/8/03.
3305	7	Mixed Residue Tank - Ancillary Equipment only	MRT	Removed ancillary equipment 12/02	
3305	7	Mixed Residue Piping in room 3305	MRT	Piping to be removed using the walls in the room as the boundary. The piping portion of the unit will be closed using Clean Closure Option #1 under the B371/4 DOP.	
3305	7	Container Storage - Glovebox 37C	90.104	GB37C has been closed by "Unit Removal in Conjunction with 'Debris Rule' Treatment".	
3315	7	Container Storage - Room	371.1A		

**ENVIRONMENTAL STATUS**  
REGULATED ITEMS - CHANGES

Location	SET AREA	RCRA UNIT DESCRIPTION	Unit #/Idle Equip. #	Status	comments
2307	13	Tanks D67, D912, D914, D916, D922A/B	None	Raschig Rings removed from tanks B922A(04/17/02); B(05/02/02). No visible sludge or rings remaining. They will be dispositioned as non-regulated, non-hazardous. Tank D67 Removed 2/17/03. Tank D916 removed 2/10/03	
2307	13	Pumps P-21A, P-914	IE: 0117		
2317	13	Tank D-292A/B	MRT	Raschig Rings removed from tanks D-292A(04/17/02); B(05/02/02). No visible sludge or rings remaining. They will be dispositioned as non-regulated, non-hazardous.	
2307	13	Tank D933	IE	<b>D933 removed 4/7/03</b>	
2317	13	Pumps P-85A/B/C; P-27A, B, C	IE: 0119		
2317	13	Tanks D277A/B	IE	Idle equipment evaluation complete	
2319	13	Tanks D129A/B, D130A/B, D228A/B, D233A/B	IE	Rasching Rings removed from tanks D129A (07/09/02), B(07/09/02); D130A(07/09/02), B(07/10/02); D228A(07/09/02), B(07/09/02); D233A (07/09/02), B(07/09/02).	
3801	56	Tanks: D806, D807A/B, D808, D812, D813, D814, D815, Polishing Filter FL831	374.3	Tanks D806, D807A/B, D808, D813, D814, and D815, have been declared RCRA Stable and transferred to D&D. Approved for quarterly inspection. <b>D812 emptied 4/2/03. Sludge removed from all tanks in set 4/2/03</b>	DD56003 is/mec DD56005 drain DD56004 re T0106729 re DD56002 drain
3801	56	GB Storage - GB's 107 and 113	374.3		

## ROCKY FLATS ENVIRONMENTAL TECHNOLOGY SITE REGULATORY CONTACT RECORD

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**Date/Time:** April 3, 2003/ 2:30pm

**Site Contact(s):** David Ward, Eric Espinosa  
**Phone:** 303-966-5938, 303-966-8457

**Regulatory Contact:** James Hindman  
**Phone:** 303-966-4482

**Agency:** Colorado Department of Public Health and the Environment

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**Purpose of Contact:** To discuss the management and the disposition of the sludge in the B374 tanks to include treatability study, treatment in containers for metals using SP-400 WaterWorks Crystals, and the packaging of wastewater sludge from different tanks in the same waste container. Also, provide the appropriate notification.

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### Discussion

The State was briefed on the current approach to managing the removal of the sludge from the B374 tanks. The first issue was the need to conduct a treatability study on the sludge from 3 tanks, D804C, D804D and D826B. The test would consist of taking existing 100ml samples adding SP-400 WaterWorks Crystals to the samples and sending them to B559 lab for analysis of TCLP metals. The Site would notify the State of the results and include the appropriate information in the Site's RCRA annual report. James concurred with this approach.

The second issue, assuming the treatability study resulted in an LDR compliant waste, is the mixing of SP-400 WaterWorks Crystals with sludge from tanks D804 C and D, and D826B in the waste boxes to be shipped to EnviroCare. This treatment would be performed under Unit S002 – Oil and/or Aqueous Solidification Process in either room 2804, 3801 or other permitted rooms. It was not clear if the WaterWorks Crystals Aqueous Liquid Solidification Agent named in Unit S002 was the same as the SP-400, either way this contact record would service as the 7-day notice required by S002. The accumulation start date for LDR compliant waste would be the day treated in the waste container. If the approach resulted in and LDR compliant waste, similar sludge from other B374 tanks may be treated in the same manner. James concurred with this approach.

The third issue was packaging the wastewater sludge in D-824A with the wastewater sludge from B774, one of the feed systems to D-824A. This would result in approximately 40 drums of TRU Mixed waste with all the EPA codes from both waste being retained in the final waste form to be disposed of at WIPP. The Site considers this the appropriate packaging of these sludges and eliminates any orphan waste from the B374 tanks. James concurred with this approach.

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**Contact Record Prepared By: David Ward**

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**Required Distribution:**

- P. Arnold, K-H 371
- C. Deck, K-H
- R. DiSalvo
- C. Gilbreath, K-H 771
- S. Gunderson, CDPHE
- T. Hopkins, K-H 776
- L. Kilpatrick, RFFO

- J. Legare, DOE
- R. Leitner, K-H 371
- J. Mead, K-H ESS
- S. Nesta, K-H RISS
- K. North, K-H ESS/MS
- B. Prymak, DOE
- T. Rehder, USEPA
- D. Shelton, K-H

**Additional Distribution:**

- F. Gerdeman\_DOE\_\_\_\_\_
- E. Espinosa\_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_
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