



... Putting Technology To Work

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May 19, 2003

Mr. Thomas Baillieul, Director
U.S. Department of Energy
Columbus Closure Project
1425 Plain City-Georgesville Rd.
West Jefferson, OH 43162

Dear Mr. Baillieul:

WEEKLY HIGHLIGHTS (May 10-16, 2003)

I. Operations:

Building JN-1:

Work continued this week on Work Instruction (WI) -1189 covering removal of the Alpha-Gamma Cell utilities and equipment.

WI-1147 that covers the removal of the High Energy Cell (HEC) inner barrier glass and window liner was approved and briefed. Preparation activities were initiated.

WI-1099 covering removal of the HEC cranes was completed this week.

WI-1158, Decontamination and Stabilization of the Hot Equipment Storage Room, was completed. The document control package was reviewed, approved, and submitted to Project Records.

Work continued on WI-1159, Utility Removal in the Controlled Access Area (CAA), Old Back Dock (OBD), and the Old Operations Area. The work instruction was revised to include additional work scope, i.e., the Evaporator Room.

AHC, Inc., continued to remove asbestos from work areas in the CAA, OBD, and the Boiler Room.

Work began on WI-1131 to reroof the JN-1 Pump Room.

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Both WI-1149, Waste Management area in the Pump Room, and WI-1104, electrical and mechanical work in the Pump Room, were approved and issued. Staff initiated work efforts on both WI's.

Building JN-3:

Water is being continually pumped from under the JN-3 basement via the wells and pumps installed in the Pump Room and around the reactor pool.

Building JN-4 Isolation Plan:

DynaElectric was selected to perform electric isolation work. The area between JN-1 and JN-4 was cleared in preparation for isolation efforts. The request for proposal was issued to four roadway contractors.

Building JN-6:

Reroofing of JN-6 was completed (WI-1119).

West Jefferson (WJ) External Areas:

Groundwater is being pumped from the wells on the exterior of JN-3.

TRU Waste Shipping:

Bids were received this week from three vendors for the remote welding of the inner canister for the 72-B cask. Review of these bids was begun.

The Federal Appeals District Court has issued its findings regarding the DOE intersite TRU shipments and specifically the BCLDP shipments to the Hanford Nuclear Facility. The Federal Appeals District Court upheld the State of Washington's request for a preliminary injunction pending resolution of its ongoing litigation with the DOE or a successful appeal to the Federal Appeals District Court by the DOE. Until further notice, the BCLDP will not ship TRU waste to Hanford for interim storage.

TRU Waste Staging:

Discussions were completed with DOE regarding the timing involved with removal of the TRU waste from JN-1. Based on these discussions, the decision was made to proceed at risk with longer lead-time activities such as shielding procurement.

Saxton Waste Project:

A meeting was held with the Health Physics group to discuss possible scenarios for performing this work. Based on these decisions, the work instruction is being written to

transfer the pin to the CAA, remove it from the liner, place it into a container, and store it until it is shipped.

Waste re-packaging tools that will be used in a mock-up at a later date were tested. In the test, a model pin was successfully pulled from a duplicate liner.

The request for quotation for shipping services and quality assurance program went to GE Vallecitos Nuclear Center.

Low Level Waste (LLW) Operations:

Six (6) 55-gallon drums of LLW were compacted in the JN-1 Charpy Cell.

Twenty-one cubic feet (21 ft³) of compactible LLW were accepted for packaging. Non-compactible low-level debris from radioactive materials areas in JN-1 and JN-3 was packaged into B-25 boxes, IP-2 Sealand, and IP-1 intermodal containers, for a total volume of 1,295 ft³ for Envirocare of Utah disposal.

Two empty IP-1 intermodal containers were received from MHF Logistical Solutions to package LLW debris and soil.

One IP-1 intermodal box of LLW debris and soil was shipped to Envirocare for disposal. Total volume of LLW shipped was 540 ft³.

WIDE Technology Deployment:

The advance copies of the injection and extraction procedures were walked down with management. Based on the results of the walk down, several changes will be incorporated.

Engineering modifications to extract water from the field are nearing completion (WI-984).

II. Environmental Safety and Health Performance:

Daily Safety performance is 234 days and 163,627 exposure hours without a lost time injury accident.

III. Facilities and Equipment:

Daily, weekly, and monthly inspections and maintenance for the WJ North facility alarms, instrumentation, building functions, tickler system, and grounds were completed. The evaporator is turned off. The Characterization and Waste Management Sealand containers between JN-1 and JN-4 were relocated to new locations. Staff assisted with two site tours during the week. Planning continued for JN-1 HEPA system reroutes to maintain building negative pressure during removal/decontamination of existing contaminated HEPA ducting. All scale recertifications were completed.

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IV. Program Administration and Control:

The Monthly Status Report for April, 2003 was submitted to DOE-CCP on May 15, 2003.

V. Future Work Activities:

Attached is the projected work schedule for the coming weeks.

Sincerely,

Patrick Weaver, P.E., Manager
Operations

PJW:dew/dmk

SIS/TAR
Activities within Date Range
5/15/2003 - 6/6/2003

Current Data Date May 15, 2003

ID	Task Name	Start	Finish	May			Jun				Jul				Aug				Sep				
				11	18	25	1	8	15	22	29	6	13	20	27	3	10	17	24	31	7	14	21
	Priority 1	12/2/02	8/11/03	[Gantt bar spanning from May 11 to August 10]																			
	7C42-B01 Charpy Room Material Removal	3/17/03	6/6/03	[Gantt bar spanning from May 11 to June 8]																			
	7C42-B02: CHARPY ROOM UTILITY REMOVAL/DECON/STABILIZATION	3/17/03	6/16/03	[Gantt bar spanning from May 11 to June 15]																			
	7C45-B03 CAA Utility Removal/Decon/Stabilization	4/1/03	8/11/03	[Gantt bar spanning from May 11 to August 10]																			
	WI 1137 Remove Lampson Tubes	4/1/03	6/12/03	[Gantt bar spanning from May 11 to June 12]																			
	WI 1159 CAA/OBD Remove Utilities	4/1/03	8/11/03	[Gantt bar spanning from May 11 to August 10]																			
	WI 1160 CAA/OBD Decon & Stabilize	4/10/03	5/23/03	[Gantt bar spanning from May 11 to May 23]																			
	WI 1181 CAA Removal of the Pocket Doors	5/13/03	6/11/03	[Gantt bar spanning from May 11 to June 11]																			
	WI 1182 CAA/OBD Crane & Rail Removal	5/20/03	6/6/03	[Gantt bar spanning from May 11 to June 6]																			
	7C45-B06 Design & Install New Water Processing System	12/2/02	7/29/03	[Gantt bar spanning from May 11 to July 29]																			
	7C47-B03: OLD OPERATIONS AREA UTILITY/ASBESTOS/MAIN POWER	4/7/03	7/15/03	[Gantt bar spanning from May 11 to July 15]																			
	7I4-B29 Remediate JN-1 Dilution Sump	4/28/03	7/8/03	[Gantt bar spanning from May 11 to July 8]																			
	7I4-B48: RELOCATE WEST JEFF NORTH UTILITIES	3/3/03	6/24/03	[Gantt bar spanning from May 11 to June 24]																			
	7I4-B57: BUILD JN-4 ACCESS ROAD	3/3/03	7/3/03	[Gantt bar spanning from May 11 to July 3]																			
	5I3-A34 WJ S&M Inspection and Maintenance	5/14/03	5/19/03	[Gantt bar spanning from May 11 to May 19]																			
	Priority 2	10/10/02	9/30/03	[Gantt bar spanning from May 11 to September 30]																			
	7C44-B02 HEC/Cask Washdown Room Utility Removal/Decon/Stabilize	4/21/03	7/16/03	[Gantt bar spanning from May 11 to July 16]																			
	7C47-B03: OLD OPERATIONS AREA UTILITY/ASBESTOS/MAIN POWER	4/28/03	5/16/03	[Gantt bar spanning from May 11 to May 16]																			
	7C47-B07: HEC OPERATIONS AREA UTILITY REMOVAL	10/10/02	9/30/03	[Gantt bar spanning from May 11 to September 30]																			
	Priority 3	1/27/03	8/1/03	[Gantt bar spanning from May 11 to August 1]																			
	7E4-B05 Remove Underground Drains and Dry Storage Wells	5/5/03	8/1/03	[Gantt bar spanning from May 11 to August 1]																			
	7I4-B66 Install Groundwater Wells/Discharge/Testing/Abandon	1/27/03	7/31/03	[Gantt bar spanning from May 11 to July 31]																			

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ID	Task Name	Start	Finish	May			Jun				Jul				Aug				Sep				
				11	18	25	1	8	15	22	29	6	13	20	27	3	10	17	24	31	7	14	21
	Priority 4	4/21/03	6/30/03																				
	001 PU Disposition (UB)	4/21/03	6/10/03																				
	132-B12 : Saxton TRU Waste	4/29/03	6/30/03																				
	Priority 5	4/29/03	7/16/03																				
	7C43-B01 N-1 Decontamination Operations - Alpha/Gamma Area Utility	4/29/03	7/16/03																				
	513-A34 WJ S&M Inspection and Maintenance	5/8/03	5/22/03																				
	Priority 7	3/7/03	10/10/03																				
	132-B14 WJ North TRU Waste Staging Area	5/9/03	7/3/03																				
	133-A36: LLW WASTE OPERATIONS	3/7/03	10/10/03																				
	Priority 8	5/12/03	5/16/03																				
	7C47-B11 Mechanical Room Asbestos/Underground Drain Removal	5/12/03	5/15/03																				
	Priority 9	2/5/03	9/30/03																				
	7C47-B07: HEC OPERATIONS AREA UTILITY REMOVAL	5/19/03	5/23/03																				
	7E4-B28 Remove Reactor Pool Floortop/Decon/Embedded Pipes	5/23/03	6/20/03																				
	7I2-B01 Survey and Monitor JN-3 Reactor Collant Pump Tank	3/26/03	5/30/03																				
	7I4-B01 Removal of Affected Facilities	4/7/03	7/28/03																				
	7I4-B06 Survey and Release Old Guard House	3/31/03	6/6/03																				
	7I4-B07 Deployment & Demobilization of the Wide System	2/5/03	9/30/03																				
	Priority 11	3/3/03	10/1/03																				
	787-B36 Laundry / Respirator Support	3/3/03	10/1/03																				
	Training	5/15/03	5/21/03																				

Waste Issue Tracking

Issue: *JN-4 Plutonium Repackaging*

Project Manager: *Parsons*

Task: **P-1** **Date Due:** 5/15/2003

HNF acceptance **Date Complete:**

Date Identified: 4/30/2003

Task Owner: Eide

Subtask	Date Identified	Subtask Owner	Date Due	Status	Date Completed
Box acceptance	4/30/2003	Eide	5/15/2003	Much waste is in boxes rather than drums (due to content's size). If HNF will accept large boxes it will reduce the amount of packaging required.	

Task: **P-2** **Date Due:** 5/12/2003

Schedule for Pu Repackaging **Date Complete:** 5/8/2003

Date Identified: 4/30/2003

Task Owner: Parsons

Subtask	Date Identified	Subtask Owner	Date Due	Status	Date Completed
Create Schedule	4/30/2003	Parsons	5/12/2003	Can start repackaging in the June/July timeframe at latest to accomplish work by Oct 1.	5/8/2003

Issue: Saxton Pin

Project Manager: Henderson

Task: S-1 **Date Due:**
Obtain use of GE-2000 **Date Complete:**
Cask.

Date Identified: 4/18/2003

Task Owner: Weaver

Subtask	Date Identified	Subtask Owner	Date Due	Status	Date Completed
Modify GE-2000 CoC	4/18/2003	Weaver		GE visited on 4/29/03 to evaluate site options for modification to CoC.	
S-1.4 Complete SRS paperwork	4/29/2003	Maheras	6/1/2003		
S-1.5 Register as a Cask User	4/29/2003	Eide	6/1/2003	R. Pomares will send an example registration letter.	
S-1.2 Obtain GE QA Manual	4/29/2003	Pomares (GE)	5/2/2003		5/2/2003
S-1.3 Place GE on ASL	4/29/2003	Welch	5/6/2003	GE QA Manual has been reviewed. Need to discuss a few points with R. Pomares.	5/6/2003

Task: S-2 **Date Due:** 6/5/2003
Mock up - unload pin **Date Complete:**

Date Identified: 4/18/2003

Task Owner: Henderson

Subtask	Date Identified	Subtask Owner	Date Due	Status	Date Completed
Perform Mock-up	4/18/2003	Henderson	6/5/2003		
S-2.1 Fabricate Mock-up Liner	4/18/2003	Garber	4/22/2003	Liner has been received.	4/28/2003
S-2.2 Plan for mock-up of pin removal	4/18/2003	Henderson	4/30/2003	Documentation for a series of WIs to accomplish this is being prepared.	5/8/2003

Task: S-3 **Date Due:** 4/21/2003

Schedule for pin effort **Date Complete:** 4/28/2003

Date Identified: 4/18/2003

Task Owner: Weaver

Subtask	Date Identified	Subtask Owner	Date Due	Status	Date Completed
Provide schedule to DOE	4/18/2003	Weaver	4/21/2003	A draft schedule was submitted to DOE.	4/28/2003

Task: S-4 **Date Due:** 5/6/2003

DOE Conference Call **Date Complete:**

Date Identified: 4/30/2003

Task Owner: Friedman

Subtask	Date Identified	Subtask Owner	Date Due	Status	Date Completed
Talk to DOE about contents of call	4/30/2003	Friedman		Conference Call between DOE elements has not been scheduled as of 5/8/03.	
S-4.2 Notify SRS to receive pin	4/29/2003	Weaver	5/6/2003	Notify DOE-OH regarding SRS status.	

Issue: TRU Shipment to Hanford

Project Manager: Garber

Task: TH-1 **Date Due:** 5/16/2003

Lift Shipment Prohibition **Date Complete:**

Date Identified: 4/18/2003

Task Owner: DOE-RL

Subtask	Date Identified	Subtask Owner	Date Due	Status	Date Completed
Argue in Federal Court	4/18/2003	DOE-RL	5/2/2003	Awaiting Judge's decision whether to lift injunction or not. Should declare decision NLT 5/16/03.	5/2/2003

Task: TH-2 **Date Due:** 5/16/2003

14-day Shipping Notice **Date Complete:**

Date Identified: 5/5/2003

Task Owner: Eide

Subtask	Date Identified	Subtask Owner	Date Due	Status	Date Completed
Initiate shipping notice paperwork	5/16/2003	Eide	5/17/2003	Awaiting Judge's decision.	

Issue: TRU Storage On Site

Project Manager: Rohrig

Task: TO-1 **Date Due:**
Define options **Date Complete:**
Date Identified: 4/18/2003
Task Owner: Weaver

Subtask	Date Identified	Subtask Owner	Date Due	Status	Date Completed
Determine Path Forward	4/18/2003	Weaver		Coordinate with DOE and Battelle Management to determine if pursuing this option is viable.	

Task: TO-2 **Date Due:** 5/6/2003
Cost Estimate for storage facility **Date Complete:**
Date Identified: 4/28/2003
Task Owner: Weaver

Subtask	Date Identified	Subtask Owner	Date Due	Status	Date Completed
Define design inputs	4/28/2003	Weaver	5/6/2003	Exact purpose of facility is not yet known.	
TO-2.2 Complete design	4/28/2003	Weaver	5/6/2003	Complete design based on item TO-2.1 and NRC Information Notices.	
TO-2.3 Unify interpretations	4/30/2003	Friedman	5/6/2003	Conference call with NRC, DOE, and BCLDP to define path forward and interpretations.	5/6/2003

Task: TO-3 **Date Due:**
 Assure coverage under NEPA **Date Complete:**
Date Identified: 5/6/2003
Task Owner: Weaver

Subtask	Date Identified	Subtask Owner	Date Due	Status	Date Completed
Review BCLDP EA	5/6/2003	Swartz		BCLDP EA does not mention TRU waste storage anywhere other than Hanford.	

Issue: TRU Shipment to WCS

Project Manager: Erickson

Task: TW-1 **Date Due:**
Amend ROD **Date Complete:**

Date Identified: 4/18/2003

Task Owner: DOE-CAO

Subtask	Date Identified	Subtask Owner	Date Due	Status	Date Completed
Update small quantity site's TRU data to allow ROD update	4/18/2003	DOE-CAO		Amend TRU Programmatic EIS ROD to include interim storage at WCS.	