



... Putting Technology To Work

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June 30, 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 (June 21-27, 2003)

I. Operations:

Building JN-1:

Asbestos removal from the interior of JN-1 has been completed. A large portion of the contaminants as defined in the National Emission Standards for Hazardous Air Pollutants has been removed from the exterior of JN-1.

The Lampson tubes in the Controlled Access Area (CAA)/Old Back Dock (OBD) are being removed.

Work Instruction (WI) -1189 that covers removing the Alpha-Gamma Cell utilities and equipment was idle; however, the tank work began under WI-1197. While setting up for the tank removal, the Health Physics group found a large area of smearable contamination and stopped work to address the contamination. The area is being painted with epoxy paint to lock down the contamination and make the area easier to survey. The tank work will resume when the painting is completed.

WI-1129 that covers lead cleanup in the High Energy Cell (HEC) was completed this week. This WI will be revised to address the one remaining lead plug in the south wall of the HEC before it is officially closed out.

WI-1105 that addresses painting and stripping the HEC continued this week. Stripping paint from the cell walls continued.

WI-1162 is awaiting the vendor's work procedure prior to issue.

WI-1160, Decontamination and Stabilization of the CAA/OBD, Evaporator Room, Charpy Cell and the CAA Foyer, was issued; and staff members were briefed. It is anticipated that work will begin in the JN-1 Charpy Cell next week.

WI-1159, Rev. 2, Utility Removal in the CAA/OBD, Evaporator Room, Old Operations Area and the Charpy Cell, was issued; and staff members were briefed. Work continued this week and is anticipated to continue next week.

Vendor annual maintenance of the Battelle Columbus Laboratories Decommissioning Project (BCLDP) Breathing Air System was performed on June 27, 2003.

A laundry/personal protection equipment receipt/shipment, LA-03-051-W, was performed on June 27, 2003.

WI-1203, Evaporator Room Material Removal, is undergoing final manager review and is expected to be issued next week. The work is scheduled to begin August 1, 2003.

Work continued in the JN-1 Pump Room. Underground utility installation outside the Pump Room was completed for electrical and IM lines. The exterior conduit linking the force main to the sanitary sewer is not yet complete. Contractor continued installation of electric conduits, ductwork, and water tanks in the Pump Room. Construction of the Waste Management Room on the upper level of Pump Room continued; the walls are complete.

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:

US Utilities installed overhead lines, switches on overhead lines, and transformers to the Well House. Excavation began for water, gas, and sanitary sewer lines in the area west of JN-4. The roadway contractor staked limits of work.

Saxton Waste Management:

WI-1198 is still in the planning phase. Progress is being made with the design of support equipment. The procurement of the shipping option is being restructured. It is anticipated that the drum containing the pin will be removed from Dufrane #1 this weekend, in conjunction with other work involving the Dufrane #1 shield unit. The drum will be placed into a drum shield for storage. This work is being done now for ALARA consideration and to prevent going back into the Dufrane at a later date to retrieve the drum. The drum shield will be moved from the High Bay next week for storage in another area of the building.

West Jefferson (WJ) External Areas:

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

Downgradient wells are being installed in six locations by DLZ.

TRU Waste Shipping:

WSI is continuing design and engineering modifications to its equipment for the 72-B Cask inner canister remote welding demonstration. WSI is awaiting delivery of a canister and grapple unit from the Waste Isolation Pilot Plant (WIPP). WIPP shipped them to WSI on Thursday. WIPP will ship the remaining equipment needed for the mock-up/demonstration to Battelle as it gets the items ready. Issues that need to be addressed for this work were discussed during the fifth weekly conference call between BCLDP and WIPP personnel. Certification issues are being worked on for the welding and leak test gases.

Writing of WI-1205 that covers the 72-B Cask mock-up/demonstration continued. The next two draft procedures that cover loading the 72-B Cask were received from WIPP. The possibility was discussed with WIPP of writing its procedures, based on current WIPP procedures, but specific to working at Battelle. Welding procedures also were received from WSI. These procedures will be referenced by WI-1205 as applicable.

Discussions continued with WIPP about the possibility of receiving two 72-B Casks to store BCLDP's two canisters when loaded. Most of the operational issues dealing with cask maintenance requirements were worked out. The DOE Ohio Field Office sent a letter to Ines Triay requesting the use of these casks for storage purposes.

Low Level Waste (LLW) Operations:

One hundred five cubic feet (105 ft³) of compactible LLW were accepted for packaging. Non-compactible low-level debris from radioactive material areas in JN-1 was packaged into B-25 boxes and intermodal containers, for a total volume of 638 ft³ for Envirocare of Utah disposal.

Eight cubic feet (8 ft³) of mixed LLW (MLLW) lead from the HEC were packaged into a B-12 box, which was staged in the JN-1 "Sheep shed" <90-day Resource Conservation and Recovery Act accumulation area. The MLLW is destined for treatment and disposal at Envirocare.

One hundred eighty-four cubic feet (184 ft³) of concrete waste were radiologically free-released for municipal disposal. Five hundred forty cubic feet (540 ft³) of clean waste were shipped for municipal disposal.

Two mildly contaminated HEC manipulator arms were shipped to the Pacific Northwest National Laboratory in Richland WA for reuse. This action avoided more than \$2,500 in

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LLW and MLLW disposal fees.

WIDE Technology Deployment:

Technical Assistance met and processed a report for the WIDE operations closure. Work remains on hold. (WI-984)

II. Environmental Safety and Health Performance:

Safety performance is 276 days and 193,009 exposure hours without a lost time injury accident.

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 old evaporator was turned off. The procedures for the new water processing room continue to be developed. The drain and sump reroute to the holding tank was completed in the Alpha-Gamma Room. The annual DOP test of the one vacuum was completed. Staff neared 95% completion of the inventory of government property. Crane inspections are complete, except for the CAA cranes. Monthly rigging inspections are complete. Buckeye Landscape sprayed the site for weed control. Staff members assisted in DOE site tours.

Future Work Activities:

Attached is the projected work schedule for the coming weeks.

Sincerely,


for Patrick Weaver, P.E., Manager
Operations

PJW:dew/dmk

SIS/TAR
Summarized Activities within Date Range
6/25/2003 - 7/11/2003

Current Data Date
6/26/03

ID	Task Name	Start	Finish	July							August			September			
				6/22	6/29	7/6	7/13	7/20	7/27	8/3	8/10	8/17	8/24	8/31	9/7	9/14	9/21
	Priority 1	3/3/03	8/15/03														
	7C42-B01 Charpy Room Material Removal	3/17/03	7/1/03														
	7C42-B02: CHARPY ROOM UTILITY REMOVAL/DECON/STABILIZATION	5/13/03	7/18/03														
	7C45-B03 CAA Utility Removal/Decon/Stabilization	5/13/03	7/18/03														
	7C45-B06 Design & Install New Water Processing System	5/13/03	7/29/03														
	7C47-B03: OLD OPERATIONS AREA UTILITY/ASBESTOS/MAIN POWER	4/28/03	8/15/03														
	7I4-B48: RELOCATE WEST JEFF NORTH UTILITIES	6/19/03	8/11/03														
	7I4-B57: BUILD JN-4 ACCESS ROAD	3/3/03	8/15/03														
	Priority 2	4/21/03	7/25/03														
	7C43-B01 N-1 Decontamination Operations - Alpha/Gamma Area Utility	6/23/03	7/7/03														
	7C44-B02 HEC/Cask Washdown Room Utility Removal/Decon/Stabilize	4/21/03	7/25/03														
	7C47-B15 JN-1 External Building (Office Area) Neshaps Mater	6/25/03	6/28/03														
	Priority 3	1/27/03	9/30/03														
	7C45-B05: EVAPORATOR ROOM MATERIAL REMOVAL	5/23/03	7/7/03														
	7E2-B08 Survey and Monitor Mat Surface in Pool	6/3/03	7/30/03														
	7E4-B05 Remove Underground Drains and Dry Storage Wells	5/5/03	8/15/03														
	7E4-B28 Remove Reactor Pool Floortop/Decon/Embedded Pipes	5/23/03	7/1/03														
	7I4-B66 Install Groundwater Wells/Discharge/Testing/Abandon	1/27/03	9/30/03														
	Priority 4	4/21/03	8/21/03														
	001 PU Disposition (UB)	4/21/03	7/25/03														
	7I4-B29 Remediate JN-1 Dilution Sump	4/28/03	7/18/03														
	132-B12 : Saxton TRU Waste	4/29/03	8/21/03														
	Priority 5	5/8/03	8/8/03														
	7C43-B01 N-1 Decontamination Operations - Alpha/Gamma Area Utility	7/8/03	8/8/03														

SIS/TAR
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ID	Task Name	Start	Finish	July					August					September						
				6/22	6/29	7/6	7/13	7/20	7/27	8/3	8/10	8/17	8/24	8/31	9/7	9/14	9/21	9/28		
	7C44-B02 HEC/Cask Washdown Room Utility Removal/Decon/Stabilize	6/30/03	7/7/03																	
	7C47-B07: HEC OPERATIONS AREA UTILITY REMOVAL	6/30/03	7/7/03																	
	513-A34 WJ S&M Inspection and Maintenance	5/8/03	6/30/03																	
	Priority 6	4/25/03	8/1/03																	
	132-B13 RH TRU (72B) Waste Staging & Shipment	4/25/03	8/1/03																	
	Priority 7	3/7/03	10/10/03																	
	132-B14 WJ North TRU Waste Staging Area	5/9/03	7/18/03																	
	133-A36: LLW WASTE OPERATIONS	3/7/03	10/10/03																	
	Priority 9	2/13/03	10/6/03																	
	7C47-B13 Waste Storage Shed Utility/Vault Door Shielding Removal	7/16/03	8/8/03																	
	7E4-B28 Remove Reactor Pool Floortop/Decon/Embedded Pipes	7/14/03	7/29/03																	
	7I4-B07 Deployment & Demobilization of the Wide System	2/13/03	10/6/03																	
	133-A36: LLW WASTE OPERATIONS	6/12/03	7/18/03																	
	Priority 11	3/3/03	10/1/03																	
	133-E36: TRANSPORTATION OF WASTE TO DISPOSAL SITES	6/27/03	6/27/03																	
	787-B36 Laundry / Respirator Support	3/3/03	10/1/03																	
	Priority 12	6/2/03	9/30/03																	
	003 Tech Assistance	6/2/03	9/30/03																	

Waste Issue Tracking

Issue: *JN-4 Plutonium Repackaging*

Project Manager: *Parsons*

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

HNF acceptance **Date Complete:** 5/15/2003

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). Standard waste boxes will be used for packaging regardless of HNF approval, and SWBs will be shipped in 72B casks.	

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

Task: P-3 **Date Due:**
Operational Planning **Date Complete:**

Date Identified:

Task Owner: Parsons

Subtask	Date Identified	Subtask Owner	Date Due	Status	Date Completed
		Parsons	6/27/2003	WI preparation is dependent upon the decided work location (see P-3.2). WI is currently in the review cycle.	6/30/2003
P-3.2		Garber	7/14/2003	The work location for repackaging is planned for prior work, and will be prepared to serve as the work area for multiple hot/airborne potential operations.	
P-3.3	6/17/2003	Parsons	6/27/2003	SWB = Standard Waste Box.	6/30/2003
P-3.4	6/17/2003	Parsons	7/31/2003	Data packages to go into TRU records.	

Issue: Saxton Pin

Project Manager: Henderson

Task: S-1 **Date Due:** 6/13/2003

Obtain use of GE-2000 Cask. **Date Complete:**

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	5/28/2003	Modification request sent to NRC by GE on 6/2/03.	6/2/2003
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. 5/6/2003
S-1.4	Complete SRS paperwork	4/29/2003	Maheras	6/13/2003	
S-1.5	Register as a Cask User	4/29/2003	Eide	6/1/2003	R. Pomares will send an example registration letter.
S-1.6	Prepare RFQ/RFP	5/12/2003	Henderson	5/15/2003	GE estimate received 5/30/03. Forwarded to Battelle Contracting. 6/3/2003
S-1.7	Realign CoC approval process	5/12/2003	DOE		NRC has reclaimed review responsibility from DOE as of 6/30/03.
S-1.8	Finalize Cask contract	5/12/2003	Weaver		Determine contract mechanism needed to secure cask and pursue it. Exploring ORNL cask as an option. Talk with Battelle Legal/Senior Procurement Officers. Determine ORNL options' impact to schedule.
S-1.9	Obtain GE-2000 SARP	6/17/2003	Weaver	6/23/2003	Give to DOE in support of CoC modification.

Task: S-2 **Date Due:** 6/5/2003

Mock up - unload pin **Date Complete:** 5/30/2003

Date Identified: 4/18/2003

Task Owner: Henderson

Subtask	Date Identified	Subtask Owner	Date Due	Status	Date Completed	
	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
S-2.3	Perform Mock-up	4/18/2003	Henderson	6/5/2003		5/30/2003

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 Executive Decisions **Date Complete:** 5/20/2003

Date Identified: 4/30/2003

Task Owner: DOE

Subtask	Date Identified	Subtask Owner	Date Due	Status	Date Completed	
	DOE conference call (NEPA)	4/30/2003	DOE	DOE has decided to ship under CX.	5/20/2003	
S-4.2	Notify SRS to receive pin	4/29/2003	Weaver	5/6/2003	DOE-OH sent DOE- SRS request for support.	5/13/2003

Task: S-5 **Date Due:**
 Transportation Plan **Date Complete:**
Date Identified: 5/13/2003
Task Owner: Eide

Subtask	Date Identified	Subtask Owner	Date Due	Status	Date Completed
	Determine Security needs	Eide	5/23/2003	Shipment of pin is not HRC, but any increased security needs must be identified.	
S-5.2	Prepare Plan	Eide	5/13/2003	Oak Ridge plan received as an example. Transmitted to J. Eide 5/30/03.	

Task: S-6 **Date Due:**
 Pin repackaging **Date Complete:**
Date Identified: 6/17/2003
Task Owner: Erickson

Subtask	Date Identified	Subtask Owner	Date Due	Status	Date Completed
	Prepare WI	Erickson	7/7/2003		
S-6.2	MOC Meeting #1	Friedman	7/11/2003	Schedule Management Oversight Committee (MOC) meeting to review and approve readiness to repackage pin in stainless steel overpack and store in cask #22 until GE-2000 is available.	

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	Judge has decided to maintain injunction. The only current option to ship to Hanford is for DOE to appeal this ruling.	5/9/2003

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	9/30/2003	The Judge has upheld the injunction (See item TH-1.1). We are unlikely to ship any TRU to HNF prior to 9/30/03.	

Issue: TRU Storage On Site

Project Manager: Rohrig

Task: TO-1 **Date Due:** 6/6/2003
Define options **Date Complete:** 6/16/2003

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	5/22/2003	Onsite Storage is our only current option. A number of potential staging sites have been identified.	5/22/2003
TO-1.2	5/12/2003	Weaver	5/22/2003	Staging location options must meet approval of both Battelle Security and Facilities. Currently investigating potential sites.	5/22/2003
TO-1.3	5/22/2003	Friedman	5/28/2003	Schedule conference call with NRC to discuss. Call rescheduled to 6/9/03.	5/28/2003
TO-1.4	5/30/2003	Weaver	6/12/2003	Date has slipped from 6/6/03. Awaiting management decision before proceeding with licensing and design.	6/16/2003

Task: TO-2 **Date Due:** 6/6/2003
Storage facility design **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	Gantos	6/12/2003	Date has slipped from 6/6/03. Awaiting dose modeling data for alternate configurations of final location. Final configuration needs approval.	

TO-2.2	Complete design	4/28/2003	Rohrig	6/12/2003	Date has slipped from 6/6/03. Complete design based on item TO-2.1 and NRC Information Notices. A/E firm is working on initial design.	
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
TO-2.4	Cost Estimate	4/28/2003	Weaver	5/16/2003		5/16/2003

Task: TO-3 **Date Due:** 6/23/2003
 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	5/23/2003	Review of the 2001 Updated EA determined that onsite temporary storage of TRU is covered with respect to NEPA. Awaiting a formal memo attesting to this from Battelle NEPA expert.	5/15/2003
TO-3.2 2nd review of EA	6/17/2003	Weaver	6/23/2003	Addition of this subtask has caused task TO-3 to be re-opened. Second review of the EA is needed to assess coverage for outside handling of TRU waste.	

Task: TO-4 **Date Due:** 5/22/2003
 Purchase Shielding units **Date Complete:** 5/27/2003
Date Identified: 5/14/2003
Task Owner: Weaver

Subtask	Date Identified	Subtask Owner	Date Due	Status	Date Completed
Submit P.O.s	5/14/2003	Weaver	5/16/2003	Submit to multiple vendors (Dufrane and Duratek). P.O.s Should be flexible enough to allow multiple configurations.	5/27/2003

TO-4.2	Determine appropriate configuration	5/14/2003	Weaver	5/22/2003	5 pc. or 2 pc. Configuration of storage units will be dependent on onsite storage location.	5/22/2003
TO-4.3	Purchase additional units	6/9/2003	Weaver	6/27/2003	Use change order to existing POs for shielding units for CH waste.	6/30/2003
TO-4.4	Prepare for receipt of shielding units	6/17/2003	Rohrig	8/8/2003	Logistical plan for arrival of first shielding units.	

Task: TO-5 **Date Due:** 6/1/2003

NRC Approval **Date Complete:**

Date Identified: 5/6/2003

Task Owner: Allen

Subtask	Date Identified	Subtask Owner	Date Due	Status	Date Completed
Submit storage plan to NRC	5/6/2003	Allen	6/1/2003	Preparation of plan somewhat dependent upon chosen storage location. Draft Path Forward document circulating for review and comment. Awaiting final decision for staging pad.	

Task: TO-6 **Date Due:** 8/1/2003

72-B Casks **Date Complete:**

Date Identified: 5/12/2003

Task Owner: Weaver

Subtask	Date Identified	Subtask Owner	Date Due	Status	Date Completed
Cask Demonstrations		Garber	8/1/2003	Must be completed prior to loading waste into 72-B Casks.	
TO-6.2 Obtain 2 72-B Casks from WIPP		Eide	6/27/2003	New scope has reopened this item. Make formal request during Small Quantity Site conference call. Ines Triay approval required.	

Task:IO- **Date Due:**

Construct Pad

Date Complete:**Date Identified** 6/1 /2003**ask Owner:** Rohrig

Subtask **Date Identified** **Subtask Owner** **Date Due** **Status** **Date Completed**

PO for 6/17/2003 Rohrig 6/20/2003

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.	
TW-1.2	DOE OFO contact WIPP	5/14/2003	DOE OFO		
TW-1.3	BMI Offer Assistance	5/14/2003	Eide	5/23/2003	Battelle to offer assistance in amending ROD to Ines Triay. Also Discuss WCS option with Vernon Dobb. 5/22/2003