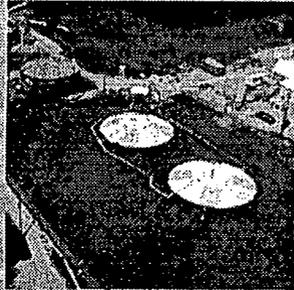


FERNALD CLEANUP PROGRESS BRIEFING SEPTEMBER 1998



OU4 - Silos Project



OU1 - Waste Pits Remedial Action Project

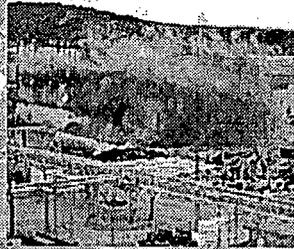


Waste Management Project

1691



OU5 - Aquifer Restoration/
Wastewater Project



OU3 - Facilities Closure &
Demolition Project



OU2 - On-Site Disposal
Facility Project



Project Management



OU5 - Soil Characterization
& Excavation Project

FERNALD CLEANUP PROGRESS BRIEFING

SEPTEMBER 1998

6:30 p.m. Opening Remarks

Gary Stegner

6:35 p.m. Project Updates

OU1 - Waste Pits Remedial Action Project

Dave Lojek

OU2 - On-Site Disposal Facility Project

Jay Jalovec

OU3 - Facilities Closure & Demolition Project

Jamie Jameson

OU4 - Silos Project

Nina Akgunduz

OU5 - Aquifer Restoration/Wastewater Project

John Kappa

OU5 - Soils Characterization & Excavation Project

Rob Janke

Waste Management

Bob Danner

--Break--

7:50 p.m. Question and Answer

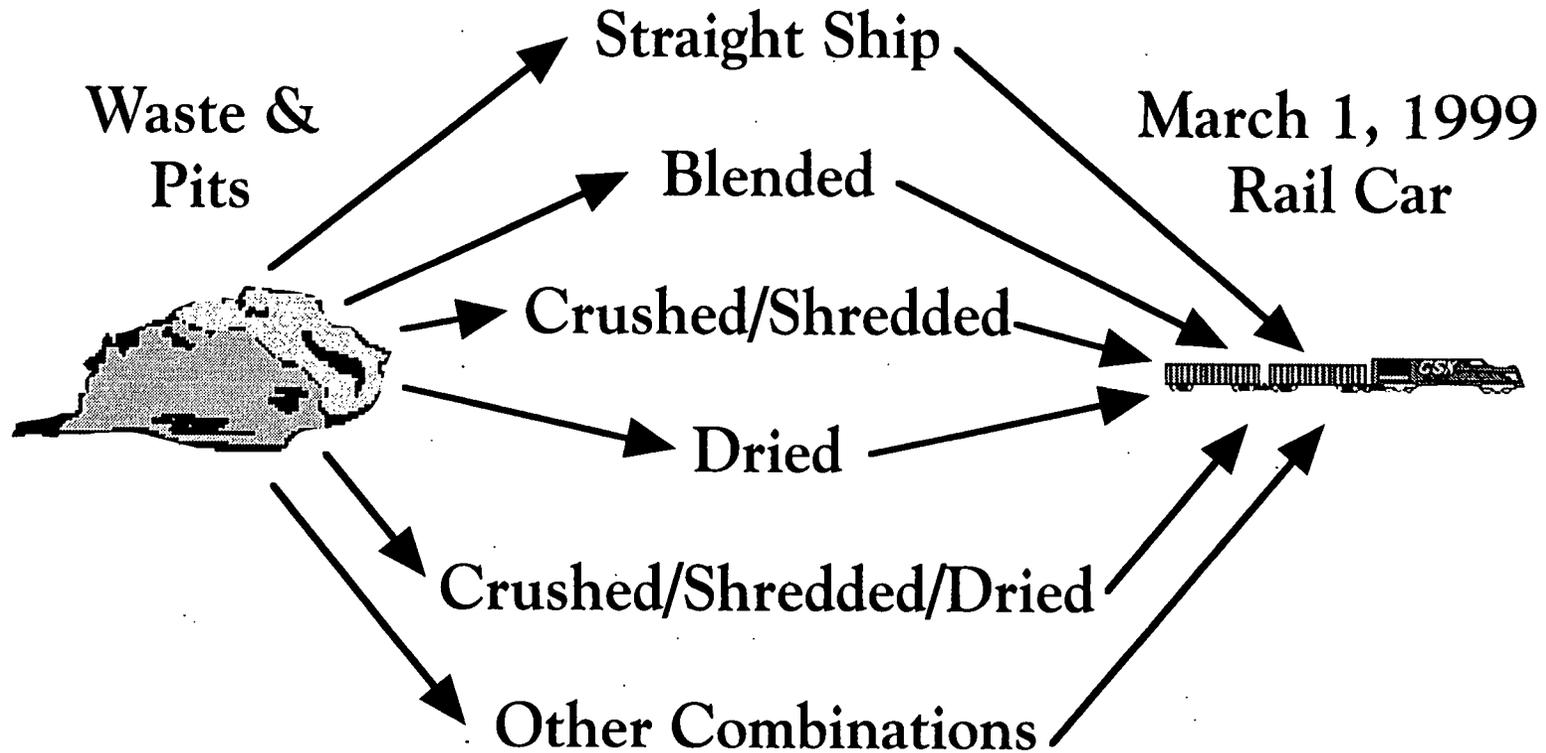
8:00 p.m. Adjourn

PROJECT NEWS
OU1 - WASTE PITS REMEDIAL ACTION PROJECT 1691

- **IT Corp. begins construction**
- **50 railcars on site**
- **WPRAP Cleanup Documents**
 - **Final Transportation and Disposal Plan approved**
 - **Final Remedial Design Package to regulators for approval**
 - **First Draft Remedial Action Package to regulators for review in September**

WASTE PITS REMEDIAL ACTION PROJECT

Source Term → Processes → Goal



4

PROJECT NEWS

OU2 - ON-SITE DISPOSAL FACILITY

- Cell 1 Activities:

2-1691

- Placement of demolition debris
- Placement of Southern Waste Unit material

- Cell 2 Activities:

- Placement of clay liner
- Development of clay borrow area
- Receipt of liner system materials

- Cell 3 Activities:

- Excavation of footprint

PROJECT NEWS

OU4 - SILOS PROJECT

- 1691

Silos 1 & 2:

- **Proof-of-Principle Testing:**
 - Contractors submitted draft work plans; currently in review and approval process
 - Bench scale development will occur after work plans are approved (September - November 1998)
 - Issue Final Report to DOE in May 1999
- **Feasibility Study/Proposed Plan:**
 - Draft being prepared; due to DOE in December 1998
- **Accelerated Waste Retrieval:**
 - Issued Request for Proposal

PROJECT NEWS

OU4 - SILOS PROJECT

Silo 3:

- Request for Proposal:
 - Prepared list of contractors for competitive range
 - Samples sent to contractors
 - Critical Analysis Team complete
 - Final technical/price proposals due Oct. 23, 1998

7

PROJECT NEWS

OU 5 - AQUIFER RESTORATION/
WASTEWATER PROJECT

1691

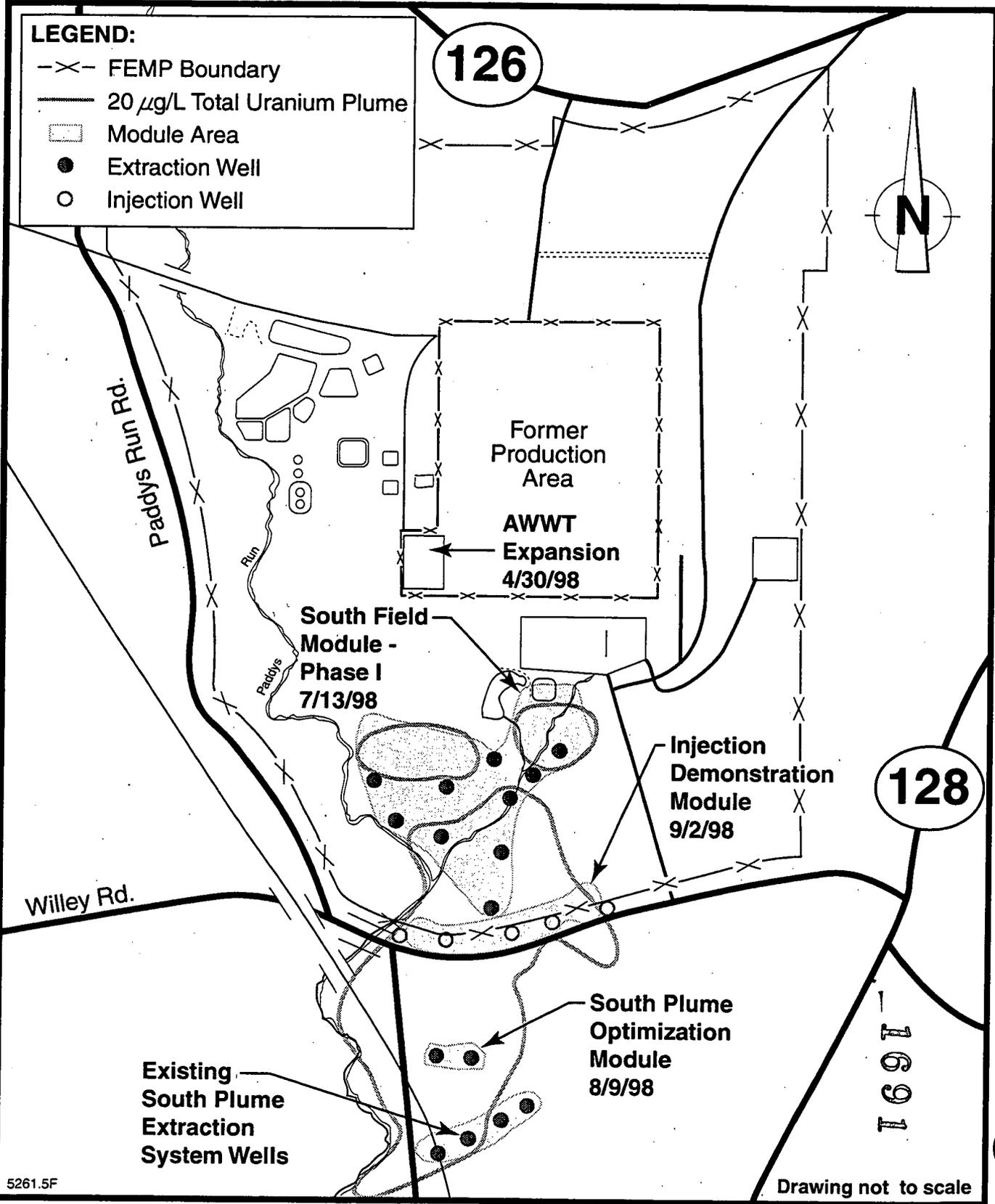
- Start-up operations for the South Field Extraction System, South Plume Optimization/Injection Demonstration
- 1998 monthly average total uranium concentration discharged to Great Miami River
- 1998 monthly summary of uranium discharged to Great Miami River
- South Plume wells began pumping August 1993; to date, more than 3 billion gallons of groundwater pumped

AQUIFER RESTORATION/ WASTEWATER PROJECT STARTUP SCHEDULE

AWWT Expansion	4/30/98
Southfield Extraction System	7/13/98
South Plume Optimization	8/9/98
Injection Demonstration	9/2/98

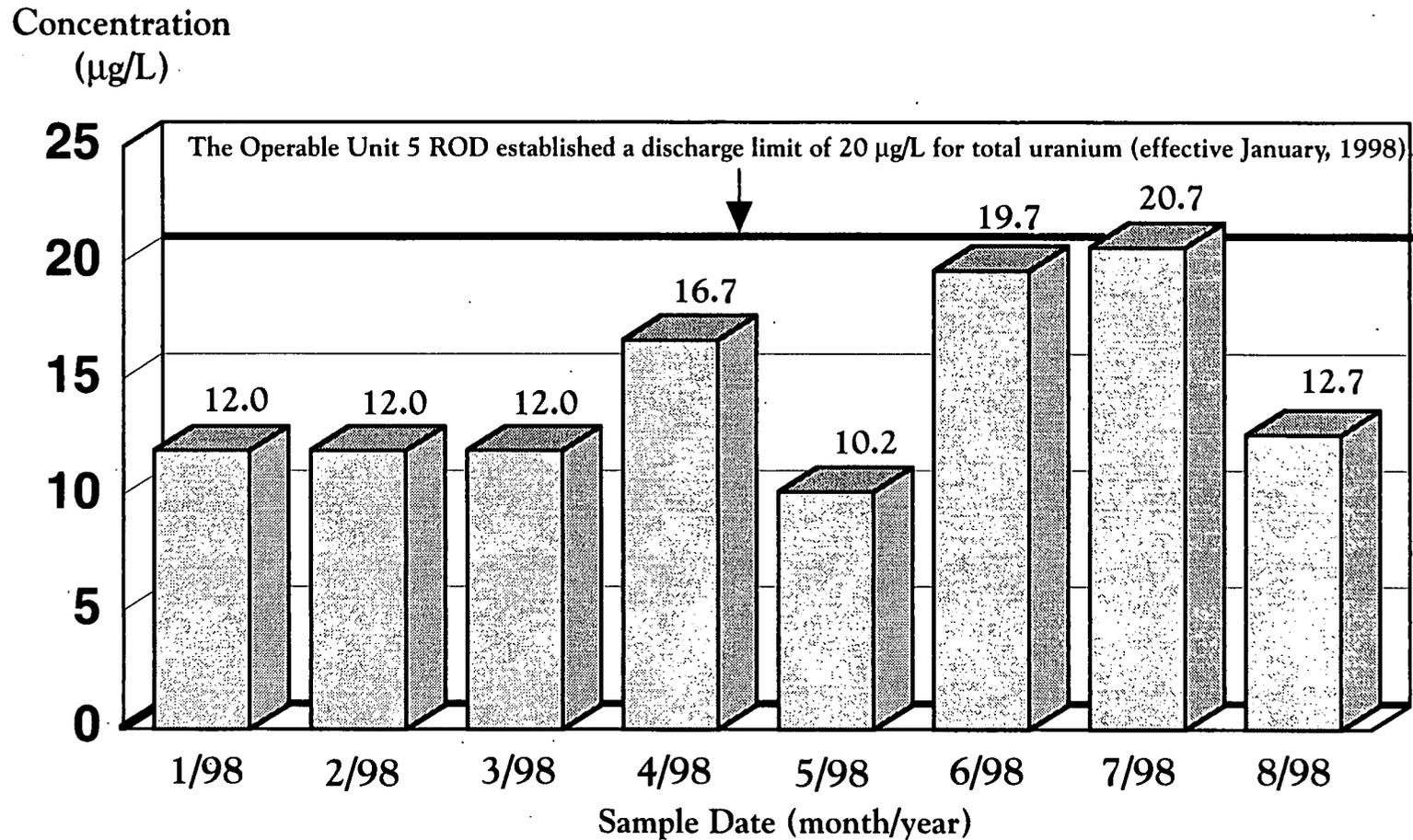
9

CURRENT AQUIFER RESTORATION MODULES & WELL LOCATIONS



12

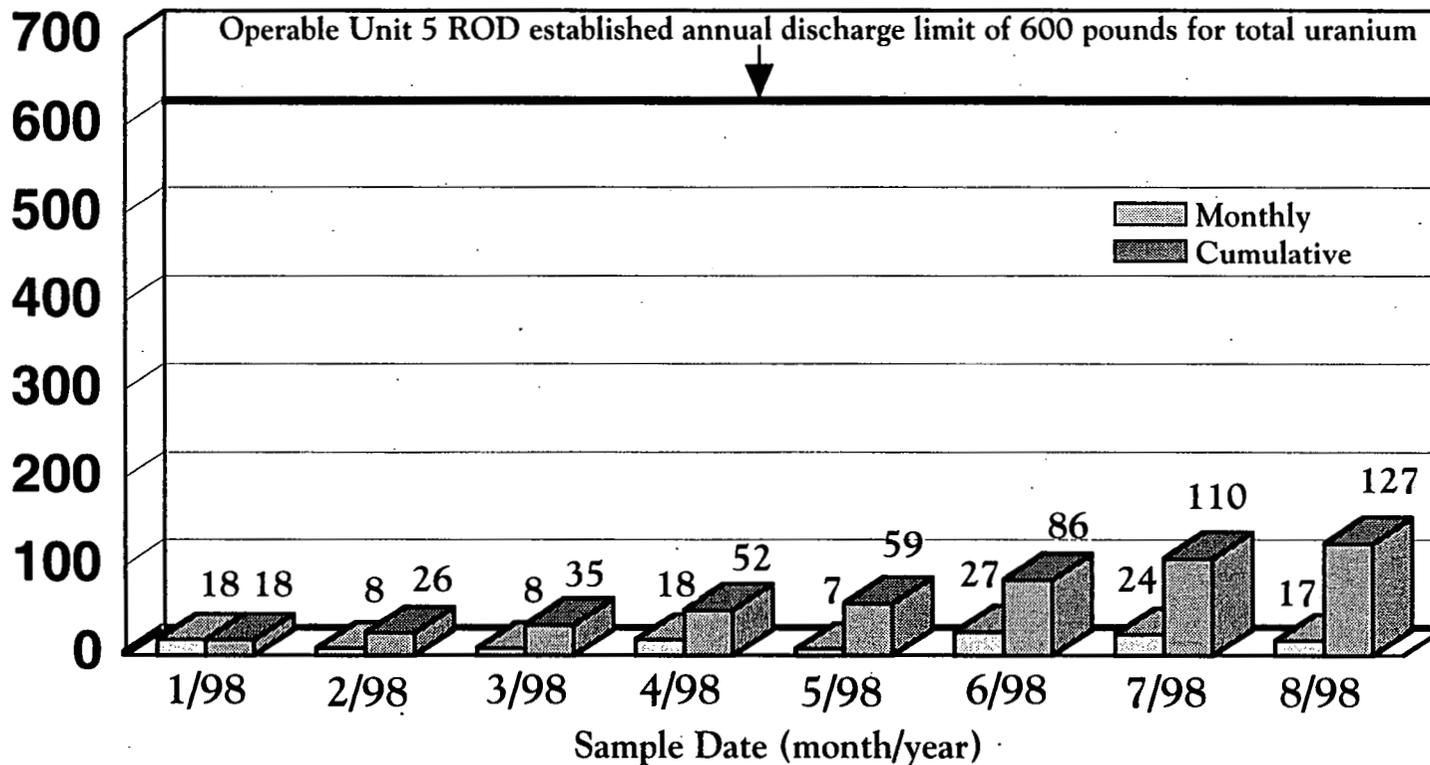
AVERAGE MONTHLY TOTAL URANIUM CONCENTRATION DISCHARGED TO THE GREAT MIAMI RIVER IN 1998



POUNDS OF URANIUM DISCHARGED TO THE GREAT MIAMI RIVER IN 1998

1691

Weight (pounds)



Note: Sum of monthly discharges may not always agree with cumulative total because of rounding differences.

EXAMPLE OF DAILY TREATMENT

- In one day, Fernald treated 4.24 million gallons of water, i.e., 2,944 gallons per minute (gpm)
- In comparison, it would take:
 - 17 hours to fill Coney Island Sunlite Pool (3 million gallon capacity) using Fernald's treatment system
 - 347 days to fill Sunlite Pool using regular garden hose (at 6 gpm)

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PROJECT NEWS

-1691

OU 5 - SOILS CHARACTERIZATION & EXCAVATION PROJECT

- Area 2, Phase I - Southern Waste Units Excavation
 - Excavation continues in the Inactive Flyash Pile
 - 100-130 trucks per day
 - Projected to complete Inactive Flyash Pile excavation work by early November 1998
- Area 1, Phase II - Former Sewage Treatment Plant and Surrounding Area
 - Site preparation work scheduled to begin September 1998
 - Excavation work continues in the OSDF borrow area
 - Aesthetic Barrier work anticipated to begin Sept. 21, 1998
 - Area 1, Phase II excavation and remediation scheduled to be complete by September 1999

PROJECT NEWS

OU 5 - SOILS CHARACTERIZATION & EXCAVATION PROJECT

- Area 1, Phase I - Sediment Traps Nos. 2 and 3
 - Efforts to certify Sediment Traps continue, certification report to be submitted to EPA in October 1998
 - Sediment Traps will be converted to wetlands to satisfy requirements under the Clean Water Act
- Area 8, Phase I - Location of Habitat Area and Vegetation Plots
 - Certification report approved by EPA
 - Construction work on Habitat Area began
 - Development of Vegetation Plots scheduled to begin in Spring 1999

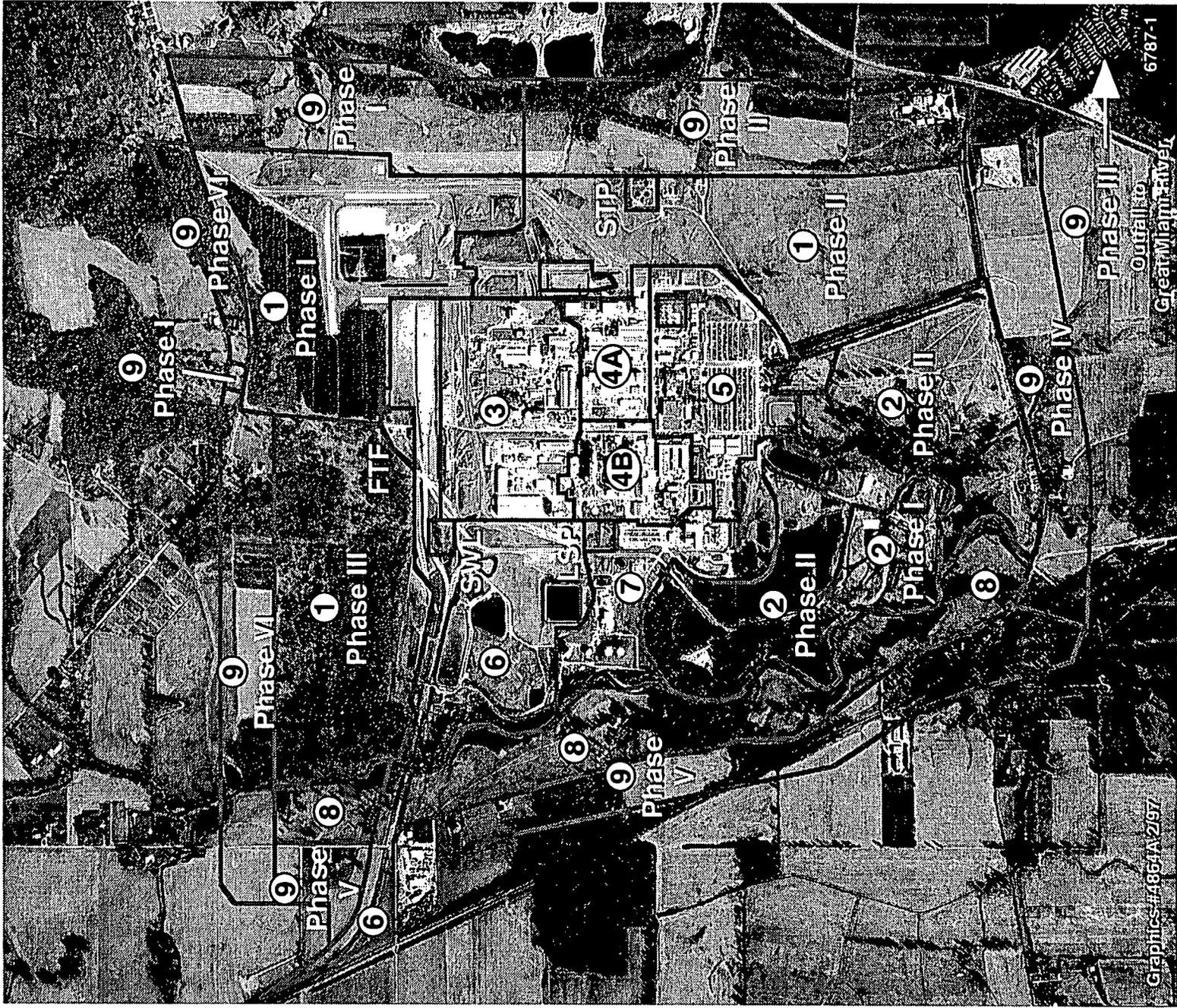
15

PROJECT NEWS

-1691

OU 5 - SOILS CHARACTERIZATION & EXCAVATION PROJECT

- Area 3 - Northern Third of Production Area
 - Geotechnical Investigation Report approved by EPA
 - Efforts to develop Project Specific Plans (PSP) continue
 - Remediation strategy will involve separating area into sectors, each with a defined schedule
- Area 7 - Silos Area
 - Initiating efforts to characterize Silos Area for Waste Acceptance Criteria attainment prior to construction
 - PSP for Area 7 currently undergoing EPA review
- Area 9, Phase I - Off-Property Area East of Area 1, Phase I
 - Plans for performing pre-certification efforts approved by EPA
 - Efforts underway to coordinate work with property owner



PROJECT NEWS

WASTE MANAGEMENT

1691

- Nevada Test Site Surveillance Team issued final report
- Assessment of 4B Warehouse Incident
- Nuclear Materials:
 - T-Hopper Project complete; successfully repackaged 131 containers
 - Discussions about Oak Ridge acceptance of Fernald nuclear materials underway
- Received approval from Tennessee to treat Batch 7
- Neutralization/Precipitation/Deactivation & Stabilization Project complete



Department of Energy

Nevada Operations Office

P. O. Box 98518

Las Vegas, NV 89193-8518

1691

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AUG 25 1998

David M. Rast, Waste Management Division, DOE/FN, Cincinnati, OH

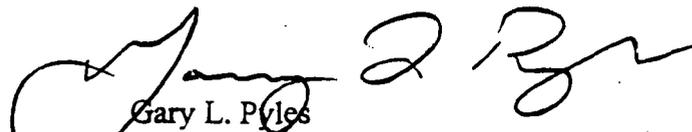
**DOE/NV RADIOACTIVE WASTE ACCEPTANCE PROGRAM (RWAP) SURVEILLANCE
REPORT FOR SURVEILLANCE NO. RWAP-S-98-02 OF THE FERNALD
ENVIRONMENTAL MANAGEMENT PROJECT (FEMP)**

Enclosed is the subject surveillance report. The surveillance was conducted July 27 through 30, 1998. The scope of the surveillance was to verify the implementation of corrective actions for Corrective Action Request (CAR) numbers RWAP-C-98-01 through 10. These CARs were issued during Audit RWAP-A-98-01 (October 1997) and as a result of the leaking box incident in December 1997.

No new CARs or observations were identified during the surveillance. Corrective actions for RWAP-C-98-01, 02, 03, 04, 05, 06, 07, 09, and 10 were found to be acceptable, and these CARs are closed. Corrective actions were not effectively implemented for RWAP-C-98-08, and this CAR remains open. DOE/NV will schedule a surveillance to verify the corrective action implementation prior to closing RWAP-C-98-08.

DOE/NV will not issue a certification memorandum to DOE/HQ until verification of the corrective action for CAR No. RWAP-C-98-08 has been completed.

If you have any questions or need additional information, please contact me at (702) 295-2969 or Michael B. Noland of Bechtel Nevada at (702) 295-0262.


Gary L. Pyles
Radioactive Waste Acceptance Program
Waste Management Division

WMD:GLP

Enclosure:
As stated

cc w/encl:
M. B. Noland, BN, Las Vegas, NV
R. M. Guertal, HAZMED, Las Vegas, NV
M. J. Kopp, FDF, Cincinnati, OH

David M. Rast

-2-

AUG 25 1998

cc w/o encl:

M. A. Sabbe, BN, Las Vegas, NV

L. S. Sygitowicz, BN, Las Vegas, NV

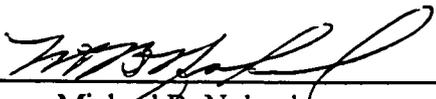
J. W. Sales, HAZMED, Lanham, MD

DEPARTMENT OF ENERGY
NEVADA OPERATIONS OFFICE
WASTE MANAGEMENT DIVISION
RADIOACTIVE WASTE ACCEPTANCE PROGRAM

Surveillance of the
FERNALD ENVIRONMENTAL MANAGEMENT PROGRAM
Cincinnati, Ohio

SURVEILLANCE NO. RWAP-S-98-02

July 27, 1998, through July 30, 1998

Prepared by:  Date 8/18/98
Michael B. Noland
Surveillance Team Lead, BN RWAP Coordinator

Approved by:  Date 8/18/98
Gary L. Pyles
DOE/NV RWAP Technical Lead

1.0	SCOPE	1
2.0	EXECUTIVE SUMMARY	1
3.0	SURVEILLANCE SUMMARY	1
3.1	Corrective Action Request RWAP-C-98-01through 08	2
3.2	Corrective Action Request RWAP-C-98-09 and 10	3
4.0	SURVEILLANCE TEAM	3

ENCLOSURES:

- 1 - Closed Corrective Action Requests
- 2 - Open Corrective Action Request
- 3 - Personnel Contacted

1.0 SCOPE

The surveillance was performed to verify the Fernald Environmental Management Project (FEMP), Waste Management & Technology Projects (WM&TP) implementation of corrective actions identified for eight Corrective Action Requests (CARs) (RWAP-C-98-01 through 08) issued by Audit RWAP-A-98-01, conducted October 13-17, 1997. The corrective actions identified for two CARs (RWAP-C-98-09 and 10) issued as a result of the December, 1997 leaking box incident were also examined. The surveillance also included a review of FEMP actions addressing the observations identified during the audit.

The DOE/NV, Nevada Test Site Waste Acceptance Criteria (NTSWAC), Revision 1, established the baseline requirements for the surveillance. The Radioactive Waste Acceptance Program (RWAP) Surveillance Checklist identifies the NTSWAC requirements evaluated and documents the results of interviews with FEMP personnel and the objective evidence reviewed.

2.0 EXECUTIVE SUMMARY

The DOE/NV Waste Management Division (WMD), RWAP Surveillance Team Members (STMs) determined that the FEMP WM&TP organization effectively implemented corrective actions for CARs RWAP-C-98-01, 02, 03, 04, 05, 06, 07, 09, and 10. The closed CARs are attached (enclosure 1). The corrective actions identified for RWAP-C-98-08 were not effectively implemented and the CAR remains open until FEMP WM&TP implements corrective action (see enclosure 2). DOE/NV RWAP will schedule a surveillance to verify implementation of the corrective actions. The Surveillance Summary section of the report provides a brief description of the CARs and their resolution.

FEMP WM&TP personnel were knowledgeable in their areas of responsibility, conducted themselves in a professional manner, and expended many hours of hard work in developing and implementing corrective actions. Personnel contacted provided in Enclosure 3.

3.0 SURVEILLANCE SUMMARY

The surveillance evaluated the programmatic and performance-based quality assurance, traceability, and characterization activities described in, or defined by, the FEMP Waste Certification Program Plan (WCPP) PL-3067, Revision 1, the corrective action plan identified for each CAR, and other certification documents and processes. Corrective Action Plans submitted for each CAR were required to identify a root cause, corrective action, action to prevent recurrence and an estimated completion date. This section provides a brief description of the CARs and their resolution.

3.1 RWAP-C-98-01 through 08 issued during the October, 1997 audit

RWAP-C-98-01: Lack of adherence to requirements for reporting radionuclides. Revision 2 of the corrective actions were found to be effective and the CAR is closed.

RWAP-C-98-02: Program did not meet requirements for retrievableness of records or records management for radiological records. Revision 2 of the corrective actions were found to be effective and the CAR is closed.

RWAP-C-98-03: New wastes added to three previously approved waste streams with incomplete characterization data. Revision 1 of the corrective actions were found to be effective and the CAR is closed.

RWAP-C-98-04: Bags of contaminated trash did not meet marking requirements for traceability of characterization to the parcel level. Revision 2 of the corrective actions were found to be effective and the CAR is closed.

RWAP-C-98-05: Nonconformance procedures for documenting and tagging nonconforming waste containers not met. Revision 1 of the corrective actions were found to be effective and the CAR is closed.

RWAP-C-98-06: Weaknesses identified during the August 1997, Low-Level Waste Management Assessment were not properly documented or assigned timely corrective actions. Revision 1 of the corrective actions were found to be effective and the CAR is closed.

RWAP-C-98-07: The Training Plan for Low-Level Waste Projects had not been completed or approved. Revision 1 of the corrective actions were effectively implemented and the CAR was closed.

RWAP-C-98-08: Measuring & Test Equipment (M&TE) were not suitably marked for calibration status and certification records were incorrect or questionable. The surveillance revealed that continued problems existed with M&TE in the field, traceability of M&TE equipment to calibration records, and questionable M&TE records.

STMs determined that the corrective action plan was not effectively implemented. FEMP personnel appeared confused about the identification of measuring equipment as part of a M&TE program. Measuring equipment was maintained as part of the Preventative Maintenance Program which does not have the controls required by Section 5.12, of the NTSWAC. Traceability of M&TE equipment to the items measured or tested is critical if equipment is later found to be out of calibration. M&TE can be critical to such things as characterization, testing, and packaging and therefore must have the required controls.

Implementation of Revision 3 of the Corrective Action Plan was found to be unsatisfactory and the CAR remains open.

3.2 RWAP-C-98-09 and 10 identified as a result of the December, 1997, leaking box incident

RWAP-C-98-09: Waste shipments received at the NTS and identified in Kingman, AZ, were identified as having leaked, or showing evidence of having leaked, free liquid. Revision 2 of the corrective actions were found to be effective and the CAR is closed.

RWAP-C-98-10: Deficient in meeting the requirements (including Department of Transportation) for the use of strong, tight containers. Revision 2 of the corrective actions were found to be effective and the CAR is closed.

4.0 SURVEILLANCE TEAM

The STMs included personnel from DOE/NV, WMD, Bechtel Nevada (BN), and Hazardous and Medical Waste Services, Inc. (HAZMED). The names and specific functional area for each surveillance team member is listed below.

<u>Name</u>	<u>Company</u>	<u>Functional Area</u>
Gary L. Pyles	DOE/NV	RWAP Tech. Lead/Traceability
Michael B. Noland	BN	Surveillance Team Lead
John M. Fowler	BN	RCRA Characterization
Rebecca M. Guertal	HAZMED	Functional Lead, Characterization
Derrell L. Harmon	BN	Quality Assurance
Deron G. Linkenheil	BN	Radiological Characterization
James B. Zovi	BN	Functional Lead, Traceability
Stephen A. Mellington*	DOE/NV	Deputy Asstant Manager, EM/Observer
Wendy A. Clayton	DOE/NV	LLW Team Lead/Observer
John Orrison	DOE/OH	Observer
Donald Lee	DOE/OH	Observer
Timothy Tharp**	Bechtel/Jacobs	Observer

* Participated July 28 and 29, 1998.

** Participated July 29 and 30, 1998.

1998

SEPTEMBER

1691

1998

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
		CRO MTG 6:30PM Ross HS		ROSS TOWNSHIP 7:00PM ROSS FIRE HOUSE		
6	MORGAN TOWNSHIP 7:30PM CIVIC CENTER	7 CLEANUP PROGRESS BRIEFING 6:30PM SBCR	8 PLANNING MTG. CLEANUP PROGRESS 9:00 @ T-38 FCAB ON-SITE ISSUES 6:00 P.M. FCAB OFF-SITE ISSUES 7:30 P.M.	9	10	11 FULL FCAB MEETING 8:30 A.M. @ ALPHA
13	CROSBY TOWNSHIP 7:30PM CIVIC CENTER	14 ROSS AREA MERCHANTS 7:00PM @ THE FARM	15	16 ROSS TOWNSHIP 7:00PM ROSS FIRE HOUSE	17	18
20	MORGAN TOWNSHIP 7:30PM CIVIC CENTER CRO LAND USE COMM MTG. 7:00 PM ROSS HS	21	22 6:30 PM NRT MTG @ ALPHA	23	FRESH VENICE PRESBYTERIAN CHURCH 7:30 P.M.	24
27	CROSBY TOWNSHIP 7:30PM CIVIC CENTER	28	29	30		

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1998

OCTOBER

1691

1998

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
				ROSS TOWNSHIP 7:00PM ROSS FIRE HOUSE		
4	MORGAN TOWNSHIP 7:30PM CIVIC CENTER	5 CRO MTG 6:00PM - 7:00 PM @ Ross High Sch CRO PUBLIC WORKSHOP 7:00 PM - @ Ross HS	6	7	8	9
11	CROSBY TOWNSHIP 7:30 P.M. CIVI CENTER	12 CLEANUP PROGRESS BRIEFING & LAND USE PUBLIC HEARING 6:30PM	13	14	ROSS TOWNSHIP 7:00PM ROSS FIRE HOUSE	15
18	MORGAN TOWNSHIP 7:30PM CIVIC CENTER	19 ROSS AREA MERCHANTS 7:00PM FIDELITY SAVINGS BANK	20	21	22	23
25	CROSBY TOWNSHIP 7:30PM CIVIC CENTER	26	27	28	CRO PUBLIC WORKSHOP @ 6:30 P.M. Ross HS	29
					30	31

WASTE PITS REMEDIAL ACTION PROJECT - 1691

AUGUST 1998	
Major Work Activities	Enforceable Milestones
<p>Improvements/Upgrades</p> <ul style="list-style-type: none"> • Continued rail & access road lighting construction • Initiated Safety Enhancements to Locomotive Maintenance Building 	None
<p>International Technology (IT) Corporation Subcontract</p> <ul style="list-style-type: none"> • Initiated construction of treatment facility • Revised Draft Remedial Action Package; resubmitted package to DOE for review • Submitted Final Remedial Design Package to regulatory agencies 8/31/98 • Continued developing/finalizing pre-operations deliverables 	
<p>Planning & Contracts</p> <ul style="list-style-type: none"> • Submitted Final Transportation & Disposal Plan to regulatory agencies 7/31/98 • Received first shipment of DOE-procured gondola railcars on 8/31/98 • Began negotiations & processing of rail transportation tender with Union Pacific Rail Road & CSXT 	
60-DAY LOOK AHEAD	
Anticipated Work Activities	Enforceable Milestones
<p>Improvements/Upgrades</p> <ul style="list-style-type: none"> • Complete rail & access road lighting construction • Complete Safety Enhancements to Locomotive Maintenance Building 	Submit Draft Remedial Action Package to regulatory agencies by 9/25/98
<p>IT Corporation Subcontract</p> <ul style="list-style-type: none"> • Continue treatment facility construction • Continue developing/finalizing pre-operations deliverables 	
<p>Planning & Contracts</p> <ul style="list-style-type: none"> • Initiate rail operations training • Continue negotiations & processing of rail transportation tender with Union Pacific Rail Road & CSXT 	

DOE Project Manager --- Dave Lojek/513-648-3127

FDF Division Manager --- Bob Fellman/513-648-4755

ON-SITE DISPOSAL FACILITY PROJECT

AUGUST 1998	
Major Work Activities	Enforceable Milestones
<p><i>On-Site Disposal Facility (OSDF)</i></p> <ul style="list-style-type: none"> • Completed development of Clay Borrow Area • Completed excavation of Cell 3 • Continued placement of waste into Cell 1 • Continued construction of Cell 2 compacted clay liner • Began stockpiling Cell 2 liner system materials 	<p>Submitted list of proposed enforceable milestones for next fiscal year to Agencies 8/13/98</p>
<p><i>Leachate Conveyance System</i></p> <ul style="list-style-type: none"> • Finalized as-built system drawings for OSDF Phase I • Performed project closeout activities 	
60-DAY LOOK AHEAD	
Anticipated Work Activities	Enforceable Milestones
<p><i>On-Site Disposal Facility (OSDF)</i></p> <ul style="list-style-type: none"> • Complete construction of Cell 2 compacted clay liner • Begin installation of Cell 2 geosynthetic liners • Begin installation of Cell 2 leak detection & leachate collection systems • Continue placement of waste into Cell 1 	<p>None</p>

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FACILITIES CLOSURE & DEMOLITION PROJECTS

AUGUST 1998

Major Work Activities		Enforceable Milestones
<i>Safe Shutdown Project</i>		None _1691
<ul style="list-style-type: none"> • Plant 2 <ul style="list-style-type: none"> - Completed holdup removal in selected areas - Continued asbestos & biohazard removal • Plant 6 <ul style="list-style-type: none"> - Continued holdup removal in selected areas - Continued asbestos removal 	<ul style="list-style-type: none"> • Non-Nuclear Facilities <ul style="list-style-type: none"> - Completed various utility disconnects - Continued removal of equipment from Tank Farm Complex 	
<i>Decontamination & Dismantlement (D&D) Projects</i>		
<ul style="list-style-type: none"> • Maintenance/Tank Farm & Water Storage Tank Project <ul style="list-style-type: none"> - Continued evaluation of contractor submittals • Recycling Supplemental Environmental Projects <ul style="list-style-type: none"> - Decontaminated/free-released 110 tons of rail as of 8/31/98 - Shipped 96 tons of shredded copper to recycling vendor for survey & free release • Boiler Plant/Water Plant Complex <ul style="list-style-type: none"> - Continued cutting remainder of structural steel, coal burner & boilers - Packaged steel for transfer to On-Site Disposal Facility 	<ul style="list-style-type: none"> • Thorium/Plant 9 Complex <ul style="list-style-type: none"> - Dismantled Building 9F & size-reduced material - Continued interior transite removal/interior & exterior dismantlement activities - Continue floor scabbling in various areas of Plant 9 • Sewage Treatment Plant (STP) Complex <ul style="list-style-type: none"> - Completed D&D activities - Completed contractor demobilization - Began preparation of Project Closeout Report • Miscellaneous Small Structures <ul style="list-style-type: none"> - Completed D&D of Building 38 	

60-DAY LOOK AHEAD

Anticipated Work Activities		Enforceable Milestones
<i>Safe Shutdown Project</i>		None
<ul style="list-style-type: none"> • Plant 2 <ul style="list-style-type: none"> - Continue asbestos removal - Complete holdup removal in selected areas • Plant 6 <ul style="list-style-type: none"> - Continue biohazard cleanup - Continue holdup removal in selected areas 	<ul style="list-style-type: none"> • Non-Nuclear Facilities <ul style="list-style-type: none"> - Complete utility disconnects in selected areas - Continue removal of equipment from Tank Farm Complex 	
<i>D&D Projects</i>		
<ul style="list-style-type: none"> • Maintenance/Tank Farm & Water Storage Tank Project <ul style="list-style-type: none"> - Mobilize contractor to construct new water storage tank • Boiler Plant/Water Plant <ul style="list-style-type: none"> - Continue cutting & packaging of structural steel 	<ul style="list-style-type: none"> • Thorium/Plant 9 Complex <ul style="list-style-type: none"> - Continue interior & exterior dismantlement activities - Continue floor scabbling operations • STP Complex <ul style="list-style-type: none"> - Complete Project Closeout Report; submit to EPAs 	

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SILOS PROJECT

AUGUST 1998

Major Work Activities	Enforceable Milestones
<p>Silos 1 & 2</p> <ul style="list-style-type: none"> • Reviewed draft Work Plans and Quality Control/Quality Assurance Plans from Proof-of-Principle Testing contractors; submitted comments to contractors for incorporation • Submitted Soil Sampling Project Specific Plan (PSP) & drawings/design package for Silos Infrastructure Project to regulatory agencies for review & comment • Received proposals for disposition of waste/debris which will result from Vitrification Pilot Plant closure 	<p>Awarded four Silos 1 & 2 Proof-of-Principle Testing contracts 6/3/98, over two months in advance of actual milestone date of 8/10/98</p>
<p>Silo 3</p> <ul style="list-style-type: none"> • Evaluated technical proposals for Silo 3 treatment; identified potential contractors • Continued retrieval of material from Silo 3 through Small Scale Waste Retrieval Project & shipped samples to potential contractors 	

60-DAY LOOK AHEAD

Anticipated Work Activities	Enforceable Milestones
<p>Silo 1 & 2</p> <ul style="list-style-type: none"> • Continue development of alternatives for Feasibility Study revision • Receive proposals in response to Accelerated Waste Retrieval (AWR) Request for Proposal by 9/14/98 • Await regulator comments/approval of Soil Sampling PSP & drawings/design package for Silos Infrastructure Project • Mobilize for construction of Trailer Upgrade portion of Silos Infrastructure Project • Receive bids/award contract for Roads & Electrical portion of Silos Infrastructure Project • Award contract for Vitrification Pilot Plant waste disposition & complete closure activities 	<p>None</p>
<p>Silo 3</p> <ul style="list-style-type: none"> • Observe oral presentations by potential treatment contractors; receive final proposals • Evaluate possibility of incorporating decontamination & decommissioning of Small Scale Waste Retrieval Project system into AWR scope of work, revising Request for Proposal if deemed advisable 	

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AQUIFER RESTORATION/WASTEWATER PROJECT

1691

AUGUST 1998	
Major Work Activities	Enforceable Milestones
Successfully completed Standard Startup Review (SSR) for South Plume Optimization Module & commenced operations 8/9/98	Began South Field Extraction System operations 7/13/98, in advance of actual milestone date of 8/1/98
Completed System Operability Testing for Injection Demonstration Module 8/28/98	Submitted monthly National Pollutant Discharge Elimination System (NPDES) Discharge Monitoring Report (DMR) to OEPA 8/13/98 (covering 7/98)
Initiated SSR for Injection Demonstration Module 8/31/98	Submitted NPDES Noncompliance Report to OEPA 8/13/98 (covering 7/98)
60-DAY LOOK AHEAD	
Anticipated Work Activities	Enforceable Milestones
Successfully complete SSR for Injection Demonstration Module & commence operations	<p>Submit monthly NPDES DMR to OEPA</p> <p>Begin operating South Plume Optimization Module by 9/1/98; note that operations began 8/9/98, in advance of milestone date</p> <p>Submit Integrated Environmental Monitoring Plan Quarterly Update Report to Agencies by 9/28/98</p> <p>Begin operating Injection Demonstration Module by 9/30/98</p>

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SOIL CHARACTERIZATION & EXCAVATION PROJECT

AUGUST 1998

Major Work Activities	Enforceable Milestones
<p>Area 1 Phase II (Southern Portion of East Field)</p> <ul style="list-style-type: none"> • Issued Certified for Construction Site Preparation Design Package to Agencies • Reviewed qualification statements from contractors interested in performing lead-contaminated soil treatability work in former Trap Range Area; selected 10 qualified vendors to be given opportunity to submit proposals 	<p>Issued Certification Report for Area 8 Phase I to Agencies 7/31/98, in advance of actual milestone date of 8/31/98</p>
<p>Area 2 Phase I (Southern Waste Units)</p> <ul style="list-style-type: none"> • Completed excavation of interceptor ditch #1 • Continued excavation of Inactive Flyash Pile 	
<p>Area 8 Phase I (13-Acre Tract Centrally Located in Portion of Fernald Property West of Paddys Run)</p> <ul style="list-style-type: none"> • Submitted Final Certification Report to Agencies 7/31/98 & received approvals during August; area is certified clean 	
<p>Natural Resource Restoration</p> <ul style="list-style-type: none"> • Continued public involvement activities associated with determining final land use of Fernald property • Received Phase I Wetland Mitigation Conceptual Design from contractor • Received initial proposals from prospective universities for <i>Ecological Restoration Case Study</i> subproject • Completed design of On-Property Public Access Habitat Area & certified drawings for construction 	

60-DAY LOOK AHEAD

Anticipated Work Activities	Enforceable Milestones
<p>Area 1 Phase II (Southern Portion of East Field)</p> <ul style="list-style-type: none"> • Issue Pre-Certified for Construction Design Package for Sewage Treatment Plant Excavation • Continue development of Request for Proposal for lead stabilization in Trap Range Area 	<p>None</p>
<p>Area 2 Phase I (Southern Waste Units)</p> <ul style="list-style-type: none"> • Continue excavation of Inactive Flyash Pile 	
<p>Area 9 Phase I (Northern Portion of Area East of Eastern FEMP Property Line)</p> <ul style="list-style-type: none"> • Work with owner to gain access to property to perform precertification sampling activities 	
<p>Natural Resource Restoration</p> <ul style="list-style-type: none"> • Corps of Engineers continue development of draft easement for land to be set aside for Conservation Easement • Submit Phase I Wetland Mitigation Conceptual Design to Agencies • Obtain Natural Resource Trustees' approval of <i>Natural Resource Impact Assessment/Natural Resource Restoration Plan</i> and associated <i>Environmental Assessment</i>; continue discussions with public on final land use • Initiate construction of On-Property Public Access Habitat Area • Solicit final offers from prospective universities on <i>Ecological Restoration Case Study</i> subproject 	

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WASTE MANAGEMENT PROJECTS

AUGUST 1998

Major Work Activities		Enforceable Milestones
<i>Waste Shipping Activities</i>		None
<ul style="list-style-type: none"> • Low Level Waste Shipping <ul style="list-style-type: none"> - Received report from Radioactive Waste Acceptance Program Team, based on audit of Fernald's Waste Management Project conducted 7/27/98-7/30/98 - Shipping still suspended pending resolution of one remaining Corrective Action Request 	<ul style="list-style-type: none"> • Mixed Waste Shipping <ul style="list-style-type: none"> - Continued evaluating historical lab analysis of 150 candidate drums of waste identified for shipment to Envirocare of Utah, Inc. 	<div style="font-size: 2em; font-weight: bold;">1691</div>
<i>Mixed Waste Projects</i>		
<ul style="list-style-type: none"> • Neutralization/Precipitation/Deactivation/Stabilization (NPDS) Project <ul style="list-style-type: none"> - Treated 176 drums of waste, for project total of 1,209 drums - Completed all processing 8/19/98 • Hazardous Waste Project <ul style="list-style-type: none"> - Shipped 12 Analytical Laboratory labpack drums - Packaged & shipped 35 labpack drums of paint room excess chemicals 	<ul style="list-style-type: none"> • Liquid Mixed Waste Project <ul style="list-style-type: none"> - Received approval from Toxic Substance Control Act (TSCA) Incinerator & State of Tennessee to ship Batch #7 (19,000+ gallons mixed waste) - Continued evaluating newly generated waste streams for potential bulking into Batches #9 & #10 • Organic Treatment Project <ul style="list-style-type: none"> - Completed final draft of Request for Proposal (RFP) Statement of Work 	
<i>Nuclear Materials Projects</i>		
<ul style="list-style-type: none"> • Nuclear Materials Disposition (NMD) <ul style="list-style-type: none"> - Attended Nuclear Materials Integration Team meeting in Idaho Falls, ID, to help identify nuclear materials of interest to DOE's Environmental Management division & to plan for their disposition - Received memorandum from Oak Ridge expressing tentative acceptance of 7.2 million pounds of depleted uranium, possible acceptance of all normal uranium, assistance with interim storage for low enriched materials under contract & acceptance of portions of low enriched residues from Fernald site • T-Hopper Project <ul style="list-style-type: none"> - Repackaged 129 of 131 T-Hoppers as of 8/31/98; completed project 9/1/98 		
<i>Waste Minimization/Pollution Prevention Project</i>		
<ul style="list-style-type: none"> • Shipped 96 tons of shredded copper to recycling vendor for survey & free release • Decontaminated/free-released 110 tons of rail as of 8/31/98 • Issued request for bids for recycling of 300 tons of rail, 130 tons of tie-plates & 6 tons of spikes 		

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WASTE MANAGEMENT PROJECTS (CONTINUED)

60-DAY LOOK AHEAD		
Anticipated Work Activities	Enforceable Milestones	
Waste Shipping Activities		
<ul style="list-style-type: none"> • Low Level Waste Shipping <ul style="list-style-type: none"> - Continue Corrective Action Request implementation in support of eventual resumption of shipments to Nevada Test Site (NTS) 	<ul style="list-style-type: none"> • Mixed Waste Shipping <ul style="list-style-type: none"> - Prepare waste profiles for 150 drums of materials eligible for shipment to Envirocare of Utah, Inc., pending evaluation of historical lab analysis • Nuclear Materials Disposition <ul style="list-style-type: none"> - Ship prepared BNFL materials 	None
Mixed Waste Projects		
<ul style="list-style-type: none"> • NPDS Project <ul style="list-style-type: none"> - Weigh remaining drums & prepare task orders for their removal - Begin development of demobilization plan • Organic Treatment Project <ul style="list-style-type: none"> - Revise Project Execution Plan to reflect revisions to RFP Statement of Work - Continue investigating offsite treatment options 	<ul style="list-style-type: none"> • Liquid Mixed Waste Project <ul style="list-style-type: none"> - Ship Batch #7 to TSCA Incinerator - Ship Batch #8 (newly generated & recharacterized low level waste) to TSCA Incinerator upon State of Tennessee approval; DOE has requested written explanation of lengthy review & associated delays - Begin bulking of aqueous waste from former Solvent Extraction Project into Batch #9 	
Nuclear Materials Projects		
<ul style="list-style-type: none"> • NMD <ul style="list-style-type: none"> - Continue to screen remaining enriched & normal inventories to determine candidates for waste declaration or "scrap" declaration - Continue ongoing discussions with Oak Ridge regarding disposition of selected Fernald nuclear materials 	<ul style="list-style-type: none"> • NMD Operations <ul style="list-style-type: none"> - Restart packaging of <1.0% UF₄ - Initiate plans to ship Loss of Fluid Test (LOFT) fuel rods with shipment likely in late calendar year 1998 	
Waste Minimization/Pollution Prevention Project		
<ul style="list-style-type: none"> • Being preparation of scrap copper motor winding containers for shipment to East Tennessee Technology Park in Oak Ridge, TN • Evaluate bids received for recycling of rail, tie-plates & spikes 		

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Author: Julie Loerch at FNST-02

Date: 9/10/98 11:39 AM

Priority: Normal

1691

TO: Gary Stegner at FNST-06, Nina Akgunduz at FNST-06, Dennis Carr, Robert Fellman, Robert Heck at FNST-05, Michael Hickey, David Hinaman at FNST-05, Mike Jacobs at FNST-06, Jay Jalovec at FNST-06, Woodrow Jameson, Rob Janke at FNST-06, Jerry Lester, Dave Lojek at FNST-06, Dennis Nixon at FNST-03, Donald Paine at FNST-06, Tisha Patton at FNST-04, Dan Phares at FNST-01, Johnny Reising at FNST-01, John Sattler at FNST-06, Ric Strobl at FNST-06, Tricia Thompson at FNST-01, John Trygier at FNST-06, Randy Janke at FNST-06, Niki Turnbull at FNST-01, Diana Rayer at FNUN-01, Glenn Griffiths at FNST-06, Jeffrey Wagner at FNST-05, Julie Doering, Kathy Graham, Jeannie Foster, Susan Walpole, Mary Jo Lahrman

Subject: Cleanup Progress Briefing

Noted below are highlights from the Sept. 8 Cleanup Progress Briefing and information regarding the October briefing.

-- Approximately 45 people attended the September briefing which was held in the Services Building Conference Room.

-- Gary Stegner discussed upcoming public meetings during September and October, including: FCAB meetings this week; Sept. 21 CRO Land Reuse Committee meeting; Sept. 23 Natural Resource Restoration public workshop; and the Oct. 13 Cleanup Progress Briefing/DOE public hearing on future land use.

-- DOE and FDF project managers provided updates on the cleanup projects and waste management, followed by a question and answer session. The presentations were videotaped for use on community access television. Public Affairs will forward the tapes to local stations for future broadcast. The stations that have indicated interest in running the program include: Cincinnati Community Video, TV Hamilton!, Frontier Vision, TKR, and TV Middletown.

-- The Silos Project will hold a public workshop on Oct. 5 at 6:30 p.m. (location to be announced).

-- Lisa Crawford recommended a new book "Environmental Crusaders". The book features a chapter about Fernald. Public Affairs will purchase several copies for the PEIC, DOE and FDF.

-- The Oct. 13 Cleanup Progress Briefing will begin at 6:30 p.m. in the Alpha Building. The focus of the meeting will be the DOE public hearing on future land use. To allow more time for the hearing, the project manager updates will be canceled in October. Also:

Mike Giblin, DOE-Nevada Operations Office, will attend the Oct. 13 Cleanup Progress Briefing to deliver a short presentation on the "Environmental Assessment on Intermodal Transportation of Low-Level Radioactive Waste to the Nevada Test Site," and respond to questions. The DOE-Nevada Operations Office released the draft EA for public comment on Sept. 1 (through Oct. 30). The document is not yet in Fernald's PEIC but will be by mid-September.

If you'd like a copy of the presentation materials and handouts, please call me. Thanks.

Julie Loerch, ext. 4071