



Department of Energy

Ohio Field Office
Fernald Environmental Management Project
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4845

APR 16 2003

Mr. James A. Saric, Remedial Project Manager
United States Environmental Protection Agency
Region V, SR-6J
77 West Jackson Boulevard
Chicago, Illinois 60604-3590

DOE-0334-03

Mr. Tom Schneider, Project Manager
Ohio Environmental Protection Agency
401 East 5th Street
Dayton, Ohio 45402-2911

Dear Mr. Saric and Mr. Schneider:

**CONSOLIDATED CONSENT AGREEMENT/FEDERAL FACILITY COMPLIANCE AGREEMENT/
FEDERAL FACILITY AGREEMENT/REMEDIAL INVESTIGATION/FEASIBILITY STUDY/
CONSENT DECREE MONTHLY REPORT FOR THE PERIOD OF MARCH 1, 2003 THROUGH
MARCH 31, 2003 AND QUARTERLY REPORT FOR JANUARY 1, 2003 THROUGH
MARCH 31, 2003, INCLUDING ANTICIPATED WORK FOR THE PERIOD OF APRIL 1, 2003
THROUGH APRIL 30, 2003**

This letter transmits the Consolidated Consent Agreement/Federal Facility Compliance Agreement/Federal Facility Agreement/Remedial Investigation/Feasibility Study/Consent Decree Monthly Report for the period March 1, 2003 through March 31, 2003 and Quarterly Report for January 1, 2003 through March 31, 2003, including anticipated work for the period of April 1, 2003 through April 30, 2003. This report is formatted to reflect the proposal presented in the letter, DOE-0395-96, J. Reising to J. A. Saric and T. Schneider, "Phase VII Removal Actions and Reporting Requirements under the FEMP Legal Agreements," dated January 16, 1996, and agreed to by the U.S. Environmental Protection Agency (US EPA) and Ohio Environmental Protection Agency (OEPA).

If you have any questions, please contact me at (513) 648-3139.

Sincerely,

Johnny W. Reising
Fernald Remedial Action
Project Manager

FCP:Reising

Enclosures: As Stated

APR 16 2003

DOE-0334-03

Mr. James A. Saric
Mr. Tom Schneider

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cc w/enclosures:

N. Hallein, EM-31, CLOV
G: Jablonowski, USEPA-V, SRF-5J
V. Dastillung, FRESH
P. Dunn, FRESH
D. Sarno, FCAB
M. Cullerton, Tetra Tech
AR Coordinator, Fluor Fernald, Inc./MS78

cc w/o enclosures:

R. Greenberg, EM-31/CLOV
F. Bell, ATSDR
M. Shupe, HIS GeoTrans
D. Carr, Fluor Fernald, Inc./MS1
T. Hagen, Fluor Fernald, Inc./MS1
T. Poff, Fluor Fernald, Inc./MS65-2
ECDC, Fluor Fernald, Inc./MS52-7

**CONSOLIDATED CONSENT AGREEMENT/FEDERAL FACILITY COMPLIANCE
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2003**

This report describes actions at the Fernald Closure Project (FCP) from March 1, 2003 through March 31, 2003 and the Quarterly Report for January 1, 2003 through March 31, 2003, including anticipated work for the period of April 1, 2003 through April 30, 2003. The report has been revised to reflect the proposal presented in the letter, DOE-0395-96, J. Reising to J. A. Saric and T. Schneider, "Phase VII Removal Actions and Reporting Requirements under the FEMP Legal Agreements," dated January 16, 1996, and agreed to by USEPA and OEPA.

OPERABLE UNIT 1 - WASTE PITS REMEDIAL ACTION PROJECT

January 2003

- Enforceable Milestones Completed
 - None

- Work Initiated/Continued/Completed
 - Loaded 12,944 tons of material from waste pits
 - Shipped 121 railcars, 12,956 tons (UT75 and UT76) of material for disposal at Envirocare

February 2003

- Enforceable Milestones Completed
 - None

- Work Initiated/Continued/Completed
 - Loaded 14,000 tons of material from waste pits
 - Loaded over 500,000 tons cumulatively
 - Shipped 121 railcars, 13,239 tons (UT77 and UT78) of material for disposal at Envirocare

March 2003

- Enforceable Milestones Completed
 - None

- Work Initiated/Continued/Completed
 - Loaded 10,124 tons of material from waste pits
 - Shipped 63 railcars, 6,775 tons (UT79) of material for disposal at Envirocare
 - Shipped over 500,000 tons cumulatively

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April 2003 (Anticipated)

- Enforceable Milestones To Be Completed
 - None
- Work To Be Initiated/Continued/Completed
 - Load 13,075 tons of material from waste pits
 - Ship 120 railcars (UT80 and UT81) of material for disposal at Envirocare

**OPERABLE UNIT 2 - ON-SITE DISPOSAL FACILITY AND SOIL CHARACTERIZATION AND
 EXCAVATION PROJECT (Additional OU2 soils-related activities may be reported under OU5/Soils
 Characterization and Excavation Project)**

January 2003

- Enforceable Milestones Completed
 - On-Site Disposal Facility (OSDF) - None
 - Soils Characterization and Excavation Project (SCEP) - Submitted Area 9
Phase II CDL to EPA, January 13, 2003
- Work Initiated/Continued/Completed
 - On-Site Disposal Facility (OSDF)
 - Completed Installation of horizontal monitoring well and
RCS/RRCS/LDS tie-ins for Cell # 6
 - Continued Part 2 of Remodeling of RIMIA for OSDF/SCEP Relocation
 - Continued Title III and CQC services for OSDF Construction
 - Completed excavation of OSDF Sed Basin #2
 - Started Site Prep for Cell 6 liner
 - Start receiving Cap 2 rock and stone and inspection of GCL material
 - Award new Surveying Subcontract to support OSDF
 - Soils Characterization and Excavation Project (SCEP)
 - Continued Concrete Breaking/Crushing in Area 3A and Area 4A
 - Continued AWAC excavation in Area 3A and 4A
 - Continued excavation of Fire Training Facility including removal of
AWAC, Tc 99, and uranium
 - Continued Restoration work, as weather permitted, in Southern
Waste Units and Northern Pines
 - Continued maintenance of Organic Soil stockpile
 - Began removing stockpile AR6-003 from current footprint and moving
it to OSDF
 - Continued Predesign WAC and FRL Attainment sampling for Areas
3B/4B/5

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- Continued Pre-certification of Area 6 Phase I
- Continued Area 7 Sector 3 Predesign Investigation
- Continued Area 8 Phase III Pre-certification PSP
- Continued Pre-certification of Area 9 Phase II

February 2003

- Enforceable Milestones Completed
 - On-Site Disposal Facility (OSDF) - None
 - Soils Characterization and Excavation Project (SCEP) - None
- Work Initiated/Continued/Completed
 - On-Site Disposal Facility (OSDF)
 - Continued Title III and CQC services for OSDF Construction
 - Continued Site Prep for Cell 6 liner
 - Continued receiving Cap 2 rock and stone and inspection of GCL material
 - Completed Phase II Rail Road expansion subgrade prep
 - Soils Characterization and Excavation Project (SCEP)
 - Continued Concrete Breaking/Crushing in Area 3A and Area 4A
 - Continued AWAC excavation in Area 3A and 4A
 - Completed AWAC, Uranium, Tc99 excavation at the Fire Training Facility
 - Continued excavation of the Fire Training Facility
 - Continued Restoration work, as weather permitted, in Southern Waste Units and Northern Pines
 - Completed removing stockpile AR6-003 from current footprint and moved it to Area 3A for eventual placement in OSDF
 - Continued Predesign WAC and FRL Attainment sampling for Areas 3B/4B/5
 - Continued Pre-certification of Area 6 Phase I
 - Completed Area 7 Sector 3 Predesign Investigation
 - Continued Pre-certification of Area 8 Phase III North
 - Continued Pre-certification of Area 9 Phase II

March 2003

- Enforceable Milestones Completed
 - On-Site Disposal Facility (OSDF) - None
 - Soils Characterization and Excavation Project (SCEP) - None
- Work Initiated/Continued/Completed
 - On-Site Disposal Facility (OSDF)
 - Continued Title III and CQC services for OSDF Construction

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- Continued Site Prep for Cell 6 liner
- Continued receiving Cap 2 rock and stone
- Started Site Prep for Cap 2
- Started grading top of Cell 2 and placed select material
- Completed additional parking lot east of Building 82 and North Entrance Road
- Start restoration of Borrow Area 1 and 2

- Soils Characterization and Excavation Project (SCEP)
 - Continued Concrete Breaking/Crushing in Area 4A
 - Continued AWAC excavation in Area 3A and 4A
 - Continued excavation at Fire Training Facility and completed excavation of AWAC, Uranium, and Tc99
 - Continued Restoration work in Southern Waste Units and Northern Pines
 - Started and completed North Entrance Road removal
 - Started and completed excavation of a portion of K65 trench to support utility isolation trench
 - Continued maintenance of Organic Soil stockpile
 - Continued Predesign WAC and FRL Attainment sampling for Areas 3B/4B
 - Continued Pre-certification of Area 6 Phase I
 - Continued Pre-certification of Area 8 Phase III North
 - Submitted 3B/4B/5 IRDP RTCs and revision to agencies
 - Began certification sampling in Area 9 Phase II
 - Submitted final Solid Waste Landfill and Fire Training Facility IRDP

April 2003 (Anticipated)

- Enforceable Milestones To Be Completed
 - On-Site Disposal Facility (OSDF) - None
 - Soils Characterization and Excavation Project (SCEP)
 - Submit Area 8 Phase III CDL to EPA, April 30, 2003

- Work To Be Initiated/Continued/Completed
 - On-Site Disposal Facility (OSDF)
 - Continue Title III services and CQC Services for OSDF Construction
 - Continue Restoration of Borrow Area 1 and 2
 - Start transite placement in Cell # 4
 - Continue Site Prep for Cell 6 liner
 - Complete delivery of Cap 2 rock and stone
 - Start receiving Geosynthetic material for Cap 2 and Liner 6
 - Complete grading top of Cell 2 and select material placement
 - Start contouring layer for Cap 2
 - Continue Site Prep Cap 2

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- Start placement of 2 foot select impacted layer for Cell 5
- Start and complete backfill of Sed Basin #1
- Soils Characterization and Excavation Project (SCEP)
 - Continue concrete breaking/crushing in Area 4A
 - Continue AWAC excavation of Area 3A and Area 4A
 - Start Site Prep for Solid Waste Landfill
 - Complete excavation of Fire Training Facility including staging of F-listed soil in AR6-003 footprint
 - Continue Restoration work Southern Waste Units and Northern Pines
 - Continue maintenance of Organic Soil Stockpile
 - Submit Response to Comments Area 2 Phase II IRDP
 - Continue Predesign WAC and FRL Attainment sampling for Areas 3B/4B
 - Complete Area 6 Phase I Pre-certification
 - Submit Area 6 Phase I CDL/PSP
 - Continue Area 7 Sector 3 Predesign Investigation
 - Submit Area 7 Phase I As-built Report
 - Start and complete Radium 226 hotspot in Area 8 Phase III north
 - Complete Area 8 Phase III Pre-certification
 - Submit Area 8 Phase III North CDL/PSP
 - Submit Final Area 9 Phase II CDL/PSP
 - Complete Certification sampling of Area 9 Phase II
 - Start Area 2 Phase II Radium Hot Spot excavation
 - Remove soil from Silos 1,2,3 and stockpile for cell placement
 - Start and complete hot spot removal in Area 9 Phase II
 - Submit Organic Soil Treatment Plan
 - Submit SP-7 Predesign PSP

OPERABLE UNIT 3 - FACILITIES CLOSURE AND DEMOLITION PROJECT

January 2003

- Enforceable Milestones Completed
 - None
- Work Initiated/Continued/Completed
 - Plants 2,3,8 & GS (Task 1):
 - Plant 2 – 2A, Digestion, Extraction and Denitration – Interior transite removal.
 - Plant 3 – 3E, Install lighting and seal building. 3J & 3D, plasma arc training, size reducing NAR Towers and tanks.
 - Plant 8 – Install lighting, seal building, interior transite removal 1st and 2nd floor, non-process equipment removal.

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- Lab (Task 6)
 - 15A – Building preparation, seal and maintain. Temporary power completed December 26. Asbestos preparation southeast and southwest areas.

- Pilot Plant (Task 3)
 - Building 13A – Asbestos abatement and building equipment vestibule; remove process piping.
 - Building 37 – Completed beryllium remediation, equipment/system removal. Completed structural demolition on January 29, 2003. Size reduction and load-out of Building 37 debris.

- Utility Redistribution/Facilities Shutdown:
 - Utility Redistribution – Completing punch list work for replacement steam heat source in Bldg 46. Performing 13.2 Kv system redistribution for T-57, T-58 and WPRAP. planning redistributions required for the Liquid Storage Complex. Installing lift station for Excavation Area 4B utility redistribution.
 - Facilities Shutdown – Continuing planning utility isolations for Building 26A, Excavation areas 3B, 4B and the Administration Complex.

February 2003

- Enforceable Milestones Completed
 - None

- Work Initiated/Continued/Completed
 - Plants 2,3,8,GS (Task 1):
 - 2A – Equipment/system removal for all three areas; interior transite removal
 - 3D & 3J – shear tanks, equipment and structural steel.
 - 3E – No activity
 - 8A – Install lighting, seal, remove interior transite on 1st and 2nd floor, non-process equipment removal, beryllium contamination removal
 - 8G - Building vestibule and building preparations
 - General – Process Piping Inspections.

 - Lab (Task 6):
 - Building 15A – Preparation for asbestos abatement center west and south west; building preparation and maintain seal; Asbestos abatement southeast

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- Liquid Storage & Pilot Plant (Task 2/3):
 - Building 13A - Asbestos abatement, equipment/system dismantlement.
 - Building 13C - Structural demolition completed; loadout of debris
 - Building 13D - Tank Farm equipment/system removal.
 - Building 20G - Building preparation and asbestos abatement
 - Building 22D - Transite removal; demolition completed 2/28/03
 - Building 37 - Size reduction and load-out of debris completed 2/12/03.
 - Building 54A - Building preparation and equipment/system dismantlement; shearing in the autoclave area

- Utility Redistribution/Facilities Shutdown:
 - Building 46 - Heating punch list items.
 - Continue planning utility isolations for Building 26A, Excavation areas 3B, 4B and the Administration Complex.
 - Perform 13.2 Kv system redistribution for T-57, T-58 & WPRAP.
 - Plan redistributions required for the Liquid Storage Complex.
 - Completed raw water isolation

March 2003

- Enforceable Milestones Completed
 - None

- Work Initiated/Continued/Completed
 - Plants 2,3,8,GS (Task 1):
 - 2A - Equipment/system removal for all three areas.
 - 3D - sheared tanks, (plasma arc) equipment and structural steel, loadout completed 3/7/03
 - 3E - No activity
 - 3J - tank sizing and acid brick removal
 - 8A - Removed interior transite on 1st and 2nd floor; continued equipment removal; beryllium contamination cleanup completed for the muffle furnace; asbestos abatement complete until 8A is under Thorium controls (incidental amounts only remain)
 - 8G - Equipment/system removal
 - 18D - Release cleaning being performed on weekends
 - General - Process Piping Inspections
 - Night shift started March 3
 - Tanks from the north and south of Bldg. 2A are being sheared in the General Sump area

 - Lab (Task 6):

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- Building 15A – Building preparation and maintain seal; prep for asbestos abatement center west and southwest; asbestos abatement southeast and southwest
- Southwest asbestos abatement prep completed 3/4/03
- Began fume hood removal - washdown and drain trap removals (monitoring for mercury and NO2). Washdown of north hallway perchloric fume hoods complete. Began washdown of center hallway perchloric fume hoods.

- Liquid Storage & Pilot Plant (Task 2/3):
 - Building 13A – Asbestos abatement completed 3/17/03, equipment/system dismantlement; removing non-process piping in Phase II area
 - Building 22D debris loadout and backfill completed 3/1/03
 - Building 54A - Equipment/system removal in the autoclave area and reactor tower area; shearing in autoclave area completed 3/3/03; asbestos glovebagging completed
 - Demolition of MAWS (soil washing) equipment

- Utility Redistribution/Facilities Shutdown:
 - Continued utility isolations for Excavation areas 3B and 4B, Bldg. 26A, and the Administration complex
 - Performing 13.2 Kv system redistribution for T-57, T-58 & WPRAP
 - Planned redistributions required for the Liquid Storage Complex and Administration complex
 - Started fieldwork for cooling tower isolation
 - Completed first fire protection isolation in Area 4B

April 2003 (Anticipated)

- Enforceable Milestones To Be Completed
 - None

- Work To Be Initiated/Continued/Completed
 - Plants 2,3,8,GS (Task 1):
 - 2A – Equipment/system removal for all three areas; shearing tanks on the north side of 2A; exterior transite removal of electrical enclosure #3
 - 3J – Tank sizing and acid brick removal; material processing in the general sump area
 - 8A – Remove interior transite on 1st and 2nd floors, process and non-process equipment removal, beryllium contamination removal
 - 8G - Non-process equipment/system removal (oxidation furnace)
 - General – Process Piping Inspections

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- Lab (Task 6):
 - Building 15A - Preparation for asbestos abatement center west; building preparation and maintain seal. Asbestos abatement southeast; perchloric and hood washdowns and standard hood verification
- Liquid Storage & Pilot Plant (Task 2/3):
 - Building 13A - Interior transite removal; remove Phase II process/non-process piping
 - Building 54A - Equipment/system removal in the reactor tower area; release, clean and lockdown south area
- Utility Redistribution/Facilities Shutdown:
 - Continue utility isolations for Excavation areas 3B and 4B. Performing 13.2 Kv system redistribution for T-57, T-58 & WPRAP. Planning redistributions required for the Liquid Storage Complex.

OPERABLE UNIT 4 - SILOS PROJECT

January 2003

- Enforceable Milestones Completed
 - None
- Work Initiated/Continued/Completed
 - Initiated installation of the equipment deck above the AWR Project Transfer Tank Area (TTA)
 - Held technical briefing on the Silos 1 and 2 Remediation Facility for the OEPA and USEPA (1/28/03)
 - Initiated design for the necessary facility modifications identified from review of the results of the first RCS test run. Developed scope and criteria for subsequent testing.
 - Continued installation of the Silo 3 remediation facility, and Silo 1 and 2 Remediation Facility foundations.
 - Continued construction of the Silos 1 and 2 warehouse and rail spur
 - Continued vendor equipment design activities for Silo 3 and Silos 1 and 2 projects
 - Received notice from the USEPA extending the date for receipt of EPA comments on the draft Final revised proposed Plan for Silo 3 to 2/4/03

February 2003

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- Enforceable Milestones Completed
 - None

- Work Initiated/Continued/Completed
 - Submitted responses to final OEPA comments on the AWR Project RD Package to the OEPA and USEPA.
 - Received and initiated responses to USEPA comments on the Silos 1 and 2 RD Package
 - Received USEPA/OEPA comments on the revised draft Revised Proposed Plan for Silo 3; initiated preparation of comment responses and draft Final PP.
 - Presented a technical briefing on the Silos 1 and 2 Remediation facility to the public 2/11/03
 - Developed plans and schedule for further testing and continuous operation of the RCS
 - Installed the structural steel for the equipment deck above the Transfer Tank Area Tanks
 - Continued installation of the Silo 3 remediation facility, and Silo 1 and 2 Remediation Facility foundations; initiated tank fabrication for the Silos 1 and 2 Remediation facility
 - Continued construction of the Silos 1 and 2 warehouse and rail spur
 - Continued vendor equipment design activities for Silo 3 and Silos 1 and 2 projects

March 2003

- Enforceable Milestones Completed
 - None

- Work Initiated/Continued/Completed
 - Submitted draft Final PP for Silo 3 to USEPA/OEPA for approval 3/14/03
 - Received OEPA comments on the RD Package for Silos 1 and 2 3/7/03; prepared draft responses to OEPA/USEPA comments revised RD Package. Notified USEPA of 20-day extension (to 4/17/03) for submittal of revised RD Package and response to comments.
 - Submitted plan and schedule for testing and continuous operation of the RCS to USEPA/OEPA on 3/13/03.
 - Revised plans for removal of the plywood protective caps above the domes of Silos 1 and 2 to address comments from the OEPA as well as from internal review.
 - Initiated revisions of the Silo 3 RD package to incorporate vendor design details and the addition of conditioning to reduce dispersability and metals mobility

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- Initiated pouring of the concrete equipment deck above the Transfer Tank Area
- Began sheet piling installation and silo berm excavation for the Silos 1 and 2 bridge foundations and bridge laydown area.
- The Silo 3 project conducted a Silo wall cutting and excavator operation demonstration at Silo 4
- Continued vendor equipment design and facility construction for the Silo 3 and Silos 1 and 2 Remediation facilities.

April 2003 (Anticipated)

- Enforceable Milestones To Be Completed
 - None
- Work To Be Initiated/Continued/Completed
 - Submit response to comments and revised RD Package for Silos 1 and 2 to USEPA/OEPA.
 - Prepare for initiation of public comment period on Silo 3 proposed plan, contingent upon receipt of approval from the USEPA/OEPA
 - Complete revisions to the Silo 3 design to incorporate conditioning for dispersability and metals mobility.
 - Initiate second test run of the RCS in preparation for the initiation of continuous Phase 1 operation.
 - Complete pouring of the concrete equipment deck above the Transfer Tank Area
 - Complete sheet piling installation and silo berm excavation for the Silos 1 and 2 bridge foundations and bridge laydown area.
 - Continue construction for the Silo 3 and Silos 1 and 2 Remediation facilities.

OPERABLE UNIT 5 - AQUIFER RESTORATION AND WASTEWATER PROJECT

January 2003

- Enforceable Milestones Completed
 - Submitted monthly NPDES Discharge Monitoring Report for December to the OEPA on January 13.
- Work Initiated/Continued/Completed
 - AWWT Phase II System: The ion exchange resin used to remove uranium from wastewater in the AWWT Phase II system is not performing as well as it has previously. During January, high concentrations of uranium in the effluent from this treatment system nearly caused an exceedance of the 30 ppb monthly average uranium limit to the Great Miami River (the January monthly average was 28.9 ppb).

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- During January, the ion exchange resin (used to remove uranium from the water) was replaced in 2 of the 3 vessels comprising the system in efforts to reduce the effluent uranium concentrations. These efforts were not successful in reducing the uranium levels to an acceptable range, therefore the Phase II system was shut down in an effort to achieve the 30 ppb uranium discharge limit. Sampling of the influent to the Phase II system was conducted prior to the shut down to determine the concentrations of contaminants suspected to be interfering with the uranium removal capacity of the resin.
- Plans are being developed to address the various wastewater constituents that may be reducing the effectiveness of the ion exchange resin.
- Continued groundwater modeling in support of determining whether additional groundwater restoration wells are required in the off-property portion of the South Plume

February 2003

- Enforceable Milestones Completed
 - Submitted monthly NPDES Discharge Monitoring Report for January to the OEPA on February 19.
 - Submitted the NPDES Noncompliance Report for January 2003 to the OEPA on February 19.
- Work Initiated/Continued/Completed
 - Continued groundwater modeling in support of determining whether additional groundwater restoration wells are required in the off-property portion of the South Plume
 - Submitted the Ohio Department of Natural Resources (ODNR) annual water withdrawal report for 2002 to ODNR on February 19.

March 2003

- Enforceable Milestones Completed
 - Submitted monthly NPDES Discharge Monitoring Report for February to the OEPA on March 19.
 - Submitted the NPDES Noncompliance Report for February 2003 to the OEPA on March 19.
- Work Initiated/Continued/Completed
 - Began and completed installing replacement Extraction Well 21A.
 - Continued investigating the cause for high uranium concentrations in the AWWT Phase II effluent. Initial investigation indicates that relatively high concentrations of total dissolved solids in the plant influent are reducing the uranium removal

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 MARCH 31, 2003 AND QUARTERLY REPORT JANUARY 1, 2003 THROUGH MARCH 31, 2003,
 INCLUDING ANTICIPATED WORK FOR THE PERIOD OF APRIL 1, 2003 THROUGH APRIL 30,
 2003**

- Continued treatment plan ion exchange resin regeneration/replacement in order to maintain regulatory discharge limits.
- Continued operating groundwater extraction system at less than desired flow rate in order to maintain regulatory discharge limits.
- Continued to keep groundwater reinjection system shut down in order to maintain regulatory discharge limit.
- Develop the horizontal till well for Cell 6. Begin baseline sampling of this well.

April 2003 (Anticipated)

- Enforceable Milestones To Be Completed
 - Submit monthly NPDES Discharge Monitoring Report to the OEPA.
- Work To Be Initiated/Continued/Completed
 - Continue to perform maintenance/rehabilitation on injection and extraction wells.
 - Continue construction activities for the installation of the infrastructure phase of the South Field Extraction System Phase II project.
 - Begin installing replacement Extraction Well 21A.
 - Continue to operate groundwater extraction system at a reduced flow rate in order to maintain regulatory discharge limits.

WASTE MANAGEMENT

January 2003

- Enforceable Milestones Completed
 - None
- Work Initiated/Continued/Completed
 - Hazardous Waste Project
 - Safety Kleen shipment completed on 1/28
 - Incinerator Liquids
 - Batch 13 sample analysis results expected in mid February. Batch 13 consolidated MEF being developed. Batch 13 TSCA Incinerator application initiated.
 - Sample Disposition
 - Continued sorting of samples for offsite disposition, bulking into Incinerator Liquid Project, or treatment through AWWT.
 - Wise Construction continued with the facility upgrade of Bldg. 68.

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- The TeeMark can crusher that will be installed in Bldg. 68 was shipped from Wisconsin on 1/28.
- Waste Minimization/Pollution Prevention
 - Transferred 30 boxes of 4ft and 3 boxes of 8ft fluorescent light tubes from the lab building to the Clean Side Hazardous Waste Storage Locker
- Organic Treatment Project
 - Completed 150 Vacuum Thermal Desorption (VTD) System Operability Test (SOT) container inventory marking, labeling and rad surveys. Loaded first VTD truck with 57 drums. Completed processing and packaging 36 PCB waste containers, including the remaining First Article Test PCB waste inventory. Some of these containers will be a segment of the VTD SOT shipment. Received approval on the 4 remaining VTD profiles on 1/24.
- Inorganic Treatment Project
 - Mercury
 - M&EC completed treatment of Mercury waste received as part of the 2002 STP inventory. The LDR certification for Mercury waste was received on 1/16.
 - Soils, Sludges, Debris (SSD)
 - Received notification from Envirocare that the first treatability study on the barium carbonate waste was not successful. Envirocare will try another treatability study in February.
 - Received third invoice from WCS for Inorganic Treatment Project (ITP) waste treatment. A total of 85,048 Kg of the 108,123 Kg shipped to date has been treated.

February 2003

- Enforceable Milestones Completed
 - None
- Work Initiated/Continued/Completed
 - Incineratory Liquids
 - Last Batch 13 sample analysis results received on 2/24. Completing Batch 13 TSCAI application.
 - Sample Disposition

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- The TeeMark Crusher for processing sample containers was received and installed.
- Completely processed 17 drums of sample containers through the AWWT facility.
- Completed a total of 36 drums this month. A total of 338 drums remain to be processed by the SDP.

- Organic Treatment Project
 - Completed packaging of 170 System Operability Testing (SOT) containers for Vacuum Thermal Desorption (VTD) treatment.
 - Completed shipment of the 170 VTD SOT shipments in February.

- Inorganic Treatment Project
 - Soils, Sludges, Debris (SSD)
 - Received notification from Envirocare that the first, second and third treatability stabilization studies on the barium carbonate waste were not successful. However, Envirocare has approved the barium carbonate profile to address disposition of this waste by microencapsulation.

March 2003

- Enforceable Milestones Completed
 - None

- Work Initiated/Continued/Completed
 - Incinerator Liquids
 - Batch 13 consolidated MEF completed. Batch 13 TSCAI application packet submitted to TSCAI on 3/24.

 - AWWT Liquids
 - Processed seven containers through AWWT

 - Sample Disposition
 - In the period 3/1 to 3/31 completed processing 28 drums with 310 drums remaining to be processed by the SDP. The Management Assessment on the TeeMark Operations was completed on 3/6. The procedure for the TeeMark Crusher was approved and had an effective date of 3/10. The new squeeze head for the TeeMark Crusher was received and delivered to Bldg. 68 on 3/27.

- Hazardous Waste Project

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- Heritage Environmental picked up a lab pack shipment on 3/13. In the period 3/25 to 3/29 processed and packaged 120 hazardous, contaminated cylinders for an April shipment to the Integrated Environmental Services, Incorporated facility in Tennessee.
- Waste Minimization/Pollution Prevention
 - Completed a Safety Kleen shipment from Springdale on 3/10. Waste Management Inc. emptied and replaced 30 cubic yd roll-off for Property on 3/12. Shipped 36 lbs. of used overhead transparencies to 3M Recycle Program on 3/24.
- Organic Treatment Project
 - Completed work packages for processing approximately 500 SWIFTS-identified oily sludge containers. In the period 3/1 to 3/31 completed processing 363 of 500 SWIFTS-identified oily sludge containers; including approximately 300 that were directed to WPRAP. Completed processing and packaging of 121 of 172 containers for Vacuum Thermal Desorption (VTD) operations under non-defense EM-50 funding. Completed processing and packaging of 73 containers, for a total of 176 containers to date, of the 242 containers under the global BOA contract. The VTD System Operability Test (SOT) began as scheduled on 3/5 and will culminate with a Maximum Throughput Derived Removal Efficiency (DRE) Test on 4/5.
- Inorganic Treatment Project
 - Macroencapsulation
 - None
 - Mercury
 - None
 - Soils, Sludges, Debris (SSD)
 - Shipped the barium carbonate waste to Envirocare on 3/6. Resumed processing and packaging inventory associated with those inorganic, low concentration organic waste streams in the OTP that are destined for WCS. Completed packaging of 50 of 171 containers to date. Completed packaging and preparation of 7 containers of Neutralization, Precipitation, Deactivation, Stabilization (NPDS) treated waste that is Land Disposal Restricted (LDR) compliant for shipment to Envirocare.