

Southwest District Office

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October 16, 2001

Ms. Kimberly Tate
Contract Specialist
U.S. DOE - Ohio Field Office
P.O. Box 3020
Miamisburg, OH 45334-3020

FERNALD
LOG C-0101
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RE: FERNALD COST RECOVERY GRANT AWARD NUMBER DE-FG24-99OH20096

Dear Ms. Tate:

Attached please find Ohio EPA's Quarterly Report for the period July 1, 2001 through September 30, 2001 detailing activities related to the Cost Recovery Grant.

If you should have any questions regarding this report, please contact me at (937) 285-6466.

Sincerely,



Thomas A. Schneider
Fernald Project Manager
Office of Federal Facilities Oversight

cc w/o enc: Graham Mitchell, Chief, OFFO
Pat Campbell, Fiscal Officer, DERR
John Brown, Fernald Site Auditor
Steve McCracken, DOE Fernald
Jim Beaton, Grants Administrator, Fiscal
cc w/ enc: Kathi Nickel, DOE Fernald

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Ohio EPA Office of Federal Facilities Oversight
Cost Recovery Grant Quarterly Report
for the
Fourth Quarter of FFY01

JULY 2001

HIGHLIGHTS AND SIGNIFICANT EVENTS

- Collected ground water split samples from three local residential wells and analyzed for total uranium.
- Collected 5 surface water samples in and around sediment basin #2 in the southern waste units.
- Collected one sediment sample at location PR1.8 that was missed during routine sediment sampling.
- Participated in the annual Xerces butterfly count at Beaver Creek Wetlands.
- SP3 stem counts.
- Collected 12 (out of 12) hi-vol samples for airborne particulates from hi-vol monitors at Fernald.
- Continued monitoring for radon and publishing real-time data to the Internet from three locations near the silos and at a background location.
- OFFO received notice that both USDOE and DOI signed off on the Fernald Natural Resource Trustee (NRT) MOU. A meeting of the trustees in August will be used to exchange signed copies of the MOU. Progress on final settlement is on-going.
- OFFO staff participated in the FCAB Monthly meeting. A major focus of the meeting was on the construction of an on-site Multi-Use Education Facility that would first serve for remediation needs and later be retrofitted into an education center as part of restoration efforts.
- Joe Bartoszek, DSW, Water Quality Unit, has had an article accepted for publication through the *Journal of Freshwater Ecology*. Joe's article is entitled "Comparison of hyporheic organisms in two intermittent streams to assess a local disturbance". The research for this article was conducted to assess the activities from the Fernald site.
- Tom Schneider wrote an article that was published in the July FRESH newsletter titled, "Native Grass and Flowers as Vegetative Cover on the OSDF."
- A 30 day public comment period on the FEMP draft final Explanation of Significant Differences (ESD) for Operable Unit 5 (OU5) document began on July 11 and will end on August 10, 2001. To coincide with finalized levels in USEPA's Safe Drinking Water Act, the OU5 Record of Decision is undergoing and ESD to changed the final remediation level for uranium in drinking water from 20 mg/L to 30 mg/L. A public meeting is scheduled for August 23rd.
- Michelle Waller and Joe Bartoszek participated in the Great Miami River Cleanup.
- Kelly Kaletsky was interviewed for an article that appeared in the Georgetown Times (South Carolina, Kelly's hometown) about his experience at the South Pole.

DOCUMENT APPROVALS

Provided Ohio EPA approval on the following document: 1) A1P3 Cert Report; 2)

VFCN 20400-PSP-0003-9 A2PI; 3) Revised RAWP for Radon Control System; 4) VFCN 20600-PSP-001-3 for Misc Areas; 5) RtC & Revised A8P2 Rest. Completion Report; 6) Request to Reduce Dioxin Sampling in IEMP wells; 7) Silo 3 RD Schedule; 8) VFCN 20710-PSP-00091-9 A1P2; 9) New Chemicals in Re-injection Wells.

DOCUMENT REVIEWS

Provided review and/or comments to DOE on the following documents: all documents reviewed in July received approval.

MEETINGS

One or more OFFO staff participated in the following meetings:

Weekly Project Managers conference calls (4); Radon conf. calls (4); OFFO staff meeting; Fernald Team meetings; FCAB Stewardship meeting (DB, KK); FCAB meeting (GM); Progress Briefing (DB, KK); FRESH bi-monthly (LH); NRT meeting (TS, DB, JB); ITRC Team Leader mtg in Portland (TS); ITRC Radionuclide Team mtg in Denver (TS); LTS conference in Grand Junction, CO.

AUGUST 2001

HIGHLIGHTS AND SIGNIFICANT EVENTS

- Collected 6 surface water samples as part of Ohio EPA's routine monitoring of Paddys Run and the Great Miami River.
- Assisted in a Sloan's Crayfish survey.
- Collected 1 surface water sample from north drainage ditch (location STRM 4006).
- Took plot data for Floristic Quality Assessment Index and wetland/prairie assessment from basins 7 and 8 and part of basin 1 in A1PI wetlands.
- Collected stem counts in the SP3, AFP and Carolina area.
- Collected 11 (out of 12) hi-vol samples for airborne particulates from hi-vol monitors at Fernald.
- Continued monitoring for radon and publishing real-time data to the Internet from two locations near the silos and at a background location.
- A meeting of the Fernald Natural Resource Trustees on August 22 was used to exchange signed copies of the NRT Memorandum of Understanding between DOE, DOE and Ohio EPA. Progress on final settlement is on-going.
- OFFO sent a letter to the FCAB recommending priorities the advisory board should focus on during 2002. The letter will be discussed at their upcoming September retreat and planning meeting.
- The final meeting for the Fernald Health Effects Subcommittee was held on Wednesday, August 22, 2001 at the Plantation in Harrison. The group expressed interest in continuation of their efforts through a subcommittee of the FCAB or with

- grant money.
- The public comment period on the FEMP draft final Explanation of Significant Differences (ESD) for Operable Unit 5 (OU5) document was extended from August 10 to August 31, 2001. To coincide with finalized levels in USEPA's Safe Drinking Water Act, the OU5 Record of Decision is undergoing and ESD to changed the final remediation level for uranium in drinking water as well as the discharge limit for uranium to the Great Miami River from 20 mg/L to 30 mg/L. A public hearing was held August 23rd.
- OFFO staff volunteered time to upkeep the Eastmont Courtyard at SWDO's Adopt-A-School.
- Tom Schneider attended a Long Term Stewardship Conference in Grand Junction, CO.
- Excavation activities were re-started in the Southern Waste Units.
- Waste placement was re-started in cells 2 and 3 of the OSDF.
- In cell 1 of the OSDF the drainage layer was completed and the bio-intrusion rock layer is being placed.
- Clay screening was re-started in the Borrow Area.

DOCUMENT APPROVALS

Provided Ohio EPA approval on the following document: 1) Plant 5 Completion Report; 2) Pit 2 Test Procedure; 3) RtC MW22198 modifications; 4) SCQ Change Requests; 5) V/FCN 20450PSP0001-17 A2P2 Part 2&3; 6) DCN 20103-021 OSDF Phase III; 7) DCN 20103-023 OSDF Phase III; 8) DCN 20103-024 OSDF Phase III; 9) DCN 20103-025 OSDF Phase III; 10) RtC for Misc Area WAC Plan; 11) April 2001 Reinjection Rpt; 12) May Reinj Rpt; 13) Leak Test Report on EPLTS; 14) Re-Open OSDF for Placement letter; 15) RtC A2P1 Non-Waste Design; 16) V/FCN 20710-PSP-0009-20 for A1P2; 17) OSDF Phase III DCN 20103-026; 18) Implementation Schedule Bldgs 3B, 3C, Plant 3; 19) Building 62 Impl. Schedule; 20) AWR Project DCN 40710-JEG-002; 21) Wetland Permitting Xwalk for extraction wells; 22) RtC Remediation Design for GMA in Waste Pits.

DOCUMENT REVIEWS

Provided review and/or comments to DOE on the following documents: 1) 2000 Site Envir. Report; 2) EPLTS Contingency Plan; 3) EPLTS Operations Plan; 4) EPLTS Systems Plan; 5) Revised Draft NRRP; 6) Implementation Plan for Multi-Complex.

MEETINGS

One or more OFFO staff participated in the following meetings:
 Weekly Project Managers conference calls (4); Radon conf. calls (4); OFFO staff meeting; Fernald Team meetings; FHES final mtg (DB); ESD Public Hearing (MW, TS); FLHP quarterly (LH); LTS conference in Grand Junction, CO; Stewardship call

(TS); borrow area tour (TS); OSDF mtg (TS); silo mtg (TS); NRT call (TS); SP3 monitoring mtg (TS); NRT mtg (TS, JB); rad call (TS); Soil mtg (TS); NRDA mtg (TS).

PRESENTATIONS

- Tom Schneider gave a presentation on "Long Term Stewardship Consequences of Remedy Decisions" to 300 people at the Grand Junction, Colorado LTS Conference.
- On Wednesday August 15, SWDO hosted a group of new graduate students from Miami University. Staff from OFFO and DSW presented information on District, OFFO and DSW programs.

SEPTEMBER 2001

HIGHLIGHTS AND SIGNIFICANT EVENTS

- The last butterfly transect for the year was conducted at the end of September.
- Joe Bartoszek collected plant data, including id's, % cover and moisture, for A1P1 wetlands.
- OFFO staff visited Fernald wetlands with OEPA-DSW staff.
- Collected stem counts in the SP3.
- Collected 12 (out of 12) hi-vol samples for airborne particulates from hi-vol monitors at Fernald.
- Continued monitoring for radon and publishing real-time data to the Internet from two locations near the silos and at a background location.
- As a result of the terrorist attacks on Washington and New York City, the September 11 Progress Briefing was canceled and will be held Tuesday, October 9. The September 13th Stewardship Committee meeting was canceled. The FCAB retreat scheduled for September 15th was rescheduled for Saturday, October 13.
- Also as a result of the terrorist attacks, DOE-HQ halted all shipments from DOE facilities. The moratorium, which included samples and all levels of wastes, was lifted after two weeks. A train with OU1 waste left Fernald during the last week of September.
- A total of 93 structures have been remediated in the production area.
- Fluor Fernald management structure has changed. John Bradburne will now be serving as Chairman and CEO of Fluor Fernald with the primary objective to work with our elected officials and personnel at DOE-HQ. Jamie Jameson was promoted to President of Fluor Fernald. Executive Vice President, Dennis Carr's duties will be expanded with the responsibilities of Chief Operating Officer. Bob Nichols has been appointed Director of Project Execution. Ray Corradi has joined the Fluor Fernald team in charge of the OU4 project.
- The Fernald Post Closure Stewardship Technology Project Symposium originally scheduled for October 3 and 4 has been indefinitely postponed in the wake of the

Sept. 11 terrorist attacks.

DOCUMENT APPROVALS

Provided Ohio EPA approval on the following document: 1) 7/01 Quarterly IEMP (and web); 2) OSDF Phase III DCN 20103-027; 3) OSDF Phase III DCN 20103-028; 4) OSDF Phase III DCN 20103-019; 5) OSDF Phase III DCN 20103-020; 6) OSDF Phase III DCN 20103-014; 7) A1P3 Part 1 Cert Report; 8) NSC-635-ENG-012 Rev 3; 9) AWR PROJECT DCN 40710-JEG-001; 10) Modifications to well 22198 V/F 60200-2; 11) DCN # 20103-031 - OSDF.

DOCUMENT REVIEWS

Provided review and/or comments to DOE on the following documents: all documents reviewed in September were approved.

MEETINGS

One or more OFFO staff participated in the following meetings:

Weekly Project Managers conference calls (4); Radon conf. calls (4); OFFO staff meeting; Fernald Team meetings; FRESH bi-monthly mtg (DB); NRT mtg (DB, TS, JB); ITRC calls (5) (TS); Stewardship call (TS); OU4 call (TS); STP visit (TS).

OHIO EMERGENCY MANAGEMENT AGENCY ACTIVITIES

- OEMA continues to review and update the State of Ohio Hazardous Materials Emergency Management Plan and attached USDOE Annex for the FEMP facility. Ohio EMA has met individually with several state agencies to discuss revisions to the plan and is finalizing those revisions.
- OEMA continues to work with EPA offices and the counties on the implementation of the DOE funding grant. OEMA continues to administer the CMOG funding program for reimbursement of money to the counties.
- Butler County reported that for the first quarter of SFY 2002 the Butler County Emergency Management Agency has taught Hazmat Awareness and Operations courses to numerous firefighters and police officers.
- Ohio EMA personnel continues to attend the Cooperative Planning and Training meetings at the Ross Fire House, including a tour of the facility.
- OEMA continues to upgrade the State EOC as a central notification point and information clearinghouse for incident assessment. Ohio EMA has upgraded the capabilities of the Hazmat Assessment Room computer. Computer software continues to be updated (i.e. CAMEO) with chemical inventories, hazards analyses information, emergency contacts, transportation routes, resources, etc., for responding to incidents or exercises with FEMP.
- Hamilton and Butler Counties continue to purchase new equipment to upgrade their capabilities in both the EOC and for response vehicles.

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- Ohio EMA continues to receive and disseminate all notifications of shipments to Butler and Hamilton Counties as well as internal agency staff.
- In a letter dated October 30, 2000, Ohio EMA requested that Fernald provide a copy of their "Empirical Radon Model" to Ohio EMA and ODH for use in the State of Ohio's Emergency Operations Center Assessment Room. This would increase the capability of the state to assess potential releases of radon from the silo area. As of October 15, 2001, DOE's legal staff is still reviewing the request and Ohio EMA has had no reply to the request.