

7996

G-000-601.40

**FERNALD COST RECOVERY GRANT AWARD NUMBER
DE-FG05-94OR22167**

02/27/97

**OEPA
5
REPORT**

DOE-FEMP



State of Ohio Environmental Protection Agency

Southwest District Office

401 East Fifth Street
Dayton, Ohio 45402-2911
(513) 285-6357
FAX (513) 285-6249

FERNALD
K-1094
Mar 10 9 27 AM '97

George V. Voinovich
Governor

February 27, 1997

RE: DOE FEMP
MSL #531-0297
FERNALD COST RECOVERY
GRANT AWARD NUMBER
DE-FG05-94OR22167

Mr. Jack Craig
U.S. DOE Fernald
P.O. Box 538705
Cincinnati, OH 45253-8705

Dear Mr. Craig:

Attached please find Ohio EPA's Quarterly Report for the period October 1, 1996 through December 31, 1996 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
- Jack Craig, DOE Fernald
- Jim Beaton, Grants Administrator, Fiscal
- cc w/ enc: Kathi Nickel, DOE Fernald

**Ohio EPA Office of Federal Facilities Oversight
Cost Recovery Grant Quarterly Report
for
First Quarter of FFY97**

OCTOBER 1996

HIGHLIGHTS/SIGNIFICANT EVENTS

- Computer meetings were held to assess OFFO's current and future needs.
- Attended the first regular meeting of the Community Reuse Organization (CRO); the group set a schedule of monthly meetings through mid-1997.
- Participated in the Community Urban Economic Development survey with the CRO. This group conducted a two day survey at no cost to the CRO and will make recommendations on how to structure a successful community reuse group.
- Interviews for new co-ops were held and two candidates have been identified. They have until November to confirm their acceptance.
- Completed Campaign 2 of the Vitrification Pilot Plant project.

DOCUMENT APPROVALS

Provided Ohio EPA approval on the following documents: 1) RA#17 Revision 3 Addenda; 2) OSDF Post Closure Care & Inspection Plan; 3) Respirator Washing Facility RA#9; 4) TSWP for NPDS; 5) Deletion of Campaign Series 3 Glass.

DOCUMENT REVIEWS

Provided comments to DOE on the following documents: 1) OU2 Waste Units Preliminary Design; 2) Haul Road 90% RtC/RAWP/CFC Design; 3) Leachate/Liner Compatibility Study; 4) OU4 Silo Superstructure Final Design & RtC; 5) OU4 Draft Silo 3 RtC; 6) Area 1 Phase 1 RtC.

MEETINGS

One or more OFFO staff participated in the following meetings:

Weekly OU4 Vit. Pilot Plant conference calls; CLN conference calls; Fernald group meeting; FRESH bi-monthly mtg; NRDA meeting; Smart Sampling meeting with Sandia National Lab; Ohio EPA NRDA coordination meeting in Columbus; OU4/IEMP meeting; OU1/IEMP meeting; ODH MOU conf. calls; OU5 Area 1 Phase 1 conf. call; fugitive dust conf. call; OU4 VIPP public meeting; Community Reuse Organization (CRO) meeting; participated in the CUED survey for the CRO; CLN Subsurface Contaminant Focus Area kick-off mtg. in Atlanta; FCTF Transportation subcommittee meeting; OU4 dispute resolution mtg. in Chicago; attended Site Technology Coordinating Group meeting; met with the Sabit delegation from the former USSR.

GIS/GPS ACTIVITIES

- Continued placing GPS base station data and information on the OFFO web site.
- Obtained GPS data for three soil and grass locations.
- Randy Earle and Mike Proffitt participated in a database submittal sub-group for the DRINKS Database portion of Ohio EPA's Data Enterprise Mode.
- Performed soils database analysis and mapping for Area 1 Phase 1 for total uranium,

CRG Quarterly Report

February 27, 1997

Page 2

radium 226 and 228, and thorium 232. Ran technetium 99 data analysis and analysis of 4000 series wells.

- Loaded new DMEPP groundwater data into Oracle database.
- Posted GPS base station data on OFFO's web site.

TRAINING

- Kelly Kaletsky attended Rad Worker II training at Fernald.

QUALITY INDICATORS

- Software being purchased for web site development should help to enhance and expedite OFFO's information on the World Wide Web. The web site continues to be an effective way to make information available to the public.
- Jo Davidson, Kelly Kaletsky, Laura Hafer, and Nike Screech participated in the Adopt-a-School program.
- Laura Hafer participated in SWDO CARES group to enhance the district's public image.

NOVEMBER 1996**HIGHLIGHTS/SIGNIFICANT EVENTS**

- An independent technical review team for Operable Unit 4 convened on November 14. This group will study Fernald vitrification issues and present their findings in early 1997.
- Fernald Natural Resource Trustees met to discuss the draft Impact Assessment and sitewide restoration goals. The FCTF Natural Resources Subcommittee also met with the Trustees.
- The newly formed Fernald Community Reuse Organization met to discuss CUED recommendations and set a path forward for the CRO.
- A public workshop was held to discuss the case study on the Plant 4 recycling methodology.
- Kelly Kaletsky presented a paper on Integrating GIS & GPS in Environmental Remediation at the Eco-Inforna '96 conference.
- Tom Schneider participated in a CLN panel presentation at the Eco-Inforna '96 conference.

DOCUMENT APPROVALS

Provided Ohio EPA approval on the following documents: 1) Pre-final OSDF Design RtC; 2) OSDF RAWP; 3) OSDF Final Specifications Package; 4) OSDF Final Design Criteria Package; 5) OSDF Final Calculations Packages 1-4; 6) Modification to Rv5 of the TSWP for MW Stabilization.

DOCUMENT REVIEWS

Provided comments to DOE on the following documents: 1) Boiler Plant Implementation Plan; 2) Phase II Southfield Injection Test Report; 3) DMEPP 1/96-6/96; 4) OSDF Design Final Support Plans (GW Monitoring, SW & Erosion Control, Cultural

CRG Quarterly Report
 February 27, 1997
 Page 3

Resources, IMPP, Permitting Cross Walk, Construction QAP, Borrow Area Mgt & Restoration); 5) OSDF Final Drawings; 6) OSDF Design Leachate Conveyance (CFC Technical Specifications, Systems Plan, Preliminary Drawings); 7) OU4 VitPP Campaign 1 Report.

MEETINGS

One or more OFFO staff participated in the following meetings:
 Weekly OU4 Vit. Pilot Plant conference calls; CLN conference calls; OFFO staff meeting; FRESH bi-monthly mtg; vitrification independent peer review meeting; Fernald technical issues meeting; ODH fiscal/technical meeting in Columbus; soils conf. call; AIP revision meeting with DOE; Natural Resources Trustees meeting; Community Reuse Organization (CRO) meeting; Eco-Infoma '96 conference; FCTF's Natural Resources subcommittee meeting; internal data validation meeting; Fernald Citizens Task Force meeting; public meeting on the Plant 4 Case Study - Recycling Methodology; Fernald Health Effects Subcommittee meetings; Internet and the Environment conference.

GIS/GPS ACTIVITIES

- Obtained GPS coordinate data for surface water locations.
- Randy Earle and Mike Proffitt participated in a database submittal sub-group for the DRINKS Database portion of Ohio EPA's Data Enterprise Mode.
- Obtained new color digital aerial photo and modeling files from Fernald.
- Received, loaded and mapped Rtrack and germanian detector database from Fluor Daniel Fernald.
- Created FTP page on the OFFO web site for viewers to download files.

QUALITY INDICATORS

- Software being purchased for web site development should help to enhance and expedite OFFO's information on the World Wide Web. The web site continues to be an effective way to make information available to the public.
- Jo Davidson, Kelly Kaletsky, Laura Hafer, and Nike Scretch participated in the Adopt-a-School program.

DECEMBER 1996

HIGHLIGHTS/SIGNIFICANT EVENTS

- On December 26, the OU4 Vitrification Pilot Plant developed a hole in the bottom of the melter during Campaign 4 testing. The entire contents of the melter drained through the two inch hole. The melter and associated testing have been indefinitely shutdown.
- Ohio EPA staff toured the Vitrification Pilot Plant and saw the melter working before the leak shut it down.
- An independent technical review team for OU4 met on December 12-13.
- The newly formed Fernald Community Reuse Organization met to discuss CUED strategic planning for the group.

CRG Quarterly Report
 February 27, 1997
 Page 4

- An Operable Unit 1 public workshop was held to discuss progress and upcoming activities of the waste pits project.
- An initial meeting was held to discuss plans for the 1996 Annual Report. It is expected that the report will be completed by the end of February.

DOCUMENT APPROVALS

Provided Ohio EPA approval on the following documents: 1) OU1 RAWP; 2) RtC OU2 Waste Units; 3) RA#15: Scrap Metal Close Out Letter; 4) Boiler Plant Implementation Plan and RtC.

DOCUMENT REVIEWS

Provided comments to DOE on the following documents: 1) PSP for Restoration Area Verification; 2) Preliminary Design for Task 4: Injection Demonstration/Task 5: South Plume Optimization ; 3) Baseline Remedial Strategy Report for the Aquifer Restoration; 4) Soil-Geosynthetic Liner Direct Shear Report; 5) OU5 Groundwater Remedial Action WP; 6) Revised Natural Resource Impact Assessment; 7) Comment Responses on Silo Superstructure Final Design; 8) OSDF Test Pad Report.

MEETINGS

One or more OFFO staff participated in the following meetings:
 Weekly OU4 Vit. Pilot Plant conference calls; CLN conference calls; OFFO staff meeting; OU1 Workshop; vitrification independent peer review meetings; internal 1996 Annual Report meeting; RPMS meeting; IEMP mtg. at Fernald; split sampling/data evaluation meeting; IEMP air mtg.; Community Reuse Organization (CRO) meeting; CLN Prioritization mtg; fugitive dust meeting.

GIS/GPS ACTIVITIES

- Worked on creating a solid block geology and total ground water plume model for the south field area..
- Randy Earle and Mike Proffitt participated in a database submittal sub-group for the DRINKS Database portion of Ohio EPA's Data Enterprise Mode.
- Received and installed new Gateway 2000 computers.
- Acquired new RTrack and germanium detector database from Fluor Daniel Fernald.
- Upgraded server and three workstation to Windows NT 4.0.

QUALITY INDICATORS

- Laura Hafer participated in SWDO CARES group to enhance the district's public image.
- Jo Davidson, Kelly Kaletsky, Laura Hafer and Nike Scretch participated in the Adopt-a-School program.