



Department of Energy
Ohio Field Office
Fernald Environmental Management Project
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JUL 22 2004

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-0345-04

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

Mr. Pete Sturdevant
 Compliance Specialist
 Air Quality Management Division
 Hamilton County Department of Environmental Services
 250 William Howard Taft Road
 Cincinnati, Ohio 456218-2660

Dear Mr. Saric, Mr. Schneider, and Mr. Sturdevant:

QUARTERLY REPORT ON DRYER STACK, JULY 2004

The purpose of this letter is to transmit the Quarterly Report on Dryer Stack for the Waste Pit Project (WPP) at the Fernald Closure Project (FCP) to the United States Environmental Protection Agency (USEPA), the Ohio Environmental Protection Agency (OEPA), and the Hamilton County Department of Environmental Services (DOES).

In response to the OEPA comments on the Draft Remedial Action Package, the DOE-FCP, Fluor Fernald, Inc., and Shaw Environmental, Inc. agreed to provide quarterly reports of any deviations or excursions from emissions limitations, operational restrictions, and control device operating parameter for the dryer stack. If no deviations or excursions occurred during the affected calendar quarter, a report stating so is required.

The information contained in this letter and the enclosure satisfies the commitment for Calendar Quarter April 1 through June 30, 2004. Specifically, there is one incident to report for the time period. The information was reported to the DOES, via electronic mail. Copies of the electronic mail reports are enclosed.

JUL 22 2004

Mr. James A. Saric
Mr. Tom Schneider
Mr. Peter Sturdevant

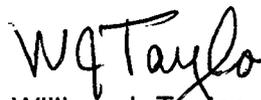
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DOE-0345-04

No additional deviations or excursions occurred during the referenced time period.

If you have any questions or comments, please contact Dave Lojek at (513) 648-3127.

Sincerely,


William J. Taylor
Director

FCP:Lojek

Enclosure: As Stated

cc w/enclosure:

D. Lojek, OH/FCP
T. Schneider, OEPA-Dayton (three copies of enclosure)
G. Jablonowski, USEPA-V, SR-6J
F. Bell, ATSDR
M. Cullerton, Tetra-Tech
M. Shupe, HSI GeoTrans
R. Vandegrift, ODH
AR Coordinator, Fluor Fernald, Inc./MS78

cc w/o enclosure:

K. Johnson, OH/FCP
K. Alkema, Fluor Fernald, Inc./MS1
J. Boeckman, Fluor Fernald, Inc./MS52-1
D. Dalga, Fluor Fernald, Inc./MS52-1
P. Shanks, Fluor Fernald, Inc./MS65-2
ECDC, Fluor Fernald, Inc./MS52-7

From: Shanks, Pat
Sent: Tuesday, June 08, 2004 5:14 PM
To: 'Peter.Sturdevant@does.hamilton-co.org'
Cc: McCool, Donald; Wentzel, Steve; Boeckman, Jerry; Carr, Dennis; Cherry, Mark; Couch, Mark; Dalga, Dennis; Desormeau, Joe; Everson, Bob; Johnston, Frank; Limerick, Phil; Lohner, Bill; Lojek, Dave; Murphy, Con; Philpot, Paul; Poff, Timothy; Reising, Johnny; Saric, James; Schneider, Tom; Skintik, Ed; Spotts, Phil; Yaeger, Daniel
Subject: Notification of OEPA- Shutdown of Thermal Oxidizer at WPP on 6/5/04

Mr. Sturdevant

Pursuant to OAC 3745-15-06, this e-mail message serves as a notification of OEPA of a malfunction that occurred at the Waste Pits Project (WPP). On 6/5/04 at 0850 hours, the WPP facility experienced a sudden loss of power due to an unexpected sitewide power outage. At the time of the power outage, Dryers A and B were being fed materials from both Waste Pits #3 and #5. As a result of the power loss, the WPP facility was placed in a safe configuration as design. Feed to both Dryers was shut down and safety interlocks were activated. The Emergency Generator did start up immediately which provided power to the emergency drive to the Dryers to keep them rotating and allowed the pit materials to empty out of the Dryers.

Normal power was restored to the WPP facility by 0853 hours and the WPP facility including the Gas Cleaning System (GCS) was reconfigured back to normal mode shortly after 0900 hours (~0903 hours) except for the Thermal Oxidizer (TO). The burners to the TO could not be re-lit right away. The feed system remained shut down since the TO was not at the proper operating temperature. The burners to the TO were eventually re-lit and the TO was back up to operating temperature by 1045 hours. Feed to Dryer A was then started back up again. Dryer B remained shut down due to minor Maintenance activities.

From the time the power outage started until the WPP facility was reconfigured back to normal mode except for the TO (0850 hours to 0903 hours), a yellow plume was observed emanating from the GCS stack and steam was observed being released from the seals of the Dryers. Releases from the GCS stack and the seals of the Dryers are considered minimal based on the following reasons: 1) both releases were observed for no more than 13 minutes; 2) feed to the Dryers was immediately shut down at the time of the power loss so materials inside the Dryers became less as time elapsed, reducing potential emissions from the Dryers and the GCS stack; 3) the operation of the GCS was restored by 0903 hours, thereafter, the only potential emissions from the Dryers would be organics and carbon monoxide from the GCS stack until both Dryers became empty (approx. 45 minutes after feed to the Dryers was halted); and 4) the GCS scrubber would remove some of the organics from the off-gas stream.

This incident is being reported to OEPA as a malfunction since uncontrolled steam was being released from the seals of the Dryers and the TO was not operating while waste pit materials was being processed inside the Dryers. Releases from the Dryers must be properly controlled by the GCS prior to being released to the environment from the GCS stack.

If you have any questions, please contact me at 513-648-4203 or send me an e-mail message.

Pat Shanks
Fernald Closure Project