



## Department of Energy

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FEB 23 1999

Mr. James A. Saric, Remedial Project Manager  
U.S. Environmental Protection Agency  
Region V-SRF-5J  
77 West Jackson Boulevard  
Chicago, Illinois 60604-3590

DOE-0482-99

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

Dear Mr. Saric and Mr. Schneider:

### **NOTIFICATION OF SCHEDULED TREATMENT PLANT MAINTENANCE SHUTDOWN FROM MARCH 8 THROUGH MARCH 10**

This notification/request is being provided in accordance with the Operable Unit 5 (OU5) Record of Decision (ROD) and as discussed during the Department of Energy (DOE), U.S. Environmental Protection Agency (U.S. EPA), and Ohio Environmental Protection Agency (OEPA) conference call on February 23, 1999. The shutdown of the Advanced Wastewater Treatment (AWWT) system is tentatively scheduled for March 8 through and including March 10, 1999, to complete the following maintenance actions:

1. Install Distributed Control System (DCS) software upgrade to support Y2K compliance
2. Install PDP II boards (memory upgrade) for functional DCS software upgrade
3. Replace Flow Indicating Transmitters 448 and 506 on the AWWT Phase I System
4. Replace Tank 155 agitator on the AWWT Phase II System

It is DOE's intention to have the water levels as low as possible in the Storm Water Retention Basin and in the Bio-surge Lagoon prior to the shutdown; however, actual level of the basins prior to shutdown is dependant on rainfall. As discussed during the above noted conference call, it is also DOE's intention to continue pumping the majority of the site's groundwater extraction wells during the maintenance shutdown. During the shutdown, the bulk of the water from the extraction wells will be directly discharged without treatment as only the South Plume Interim Treatment (SPIT) and Interim Advanced

Mr. James A. Saric  
Mr. Tom Schneider

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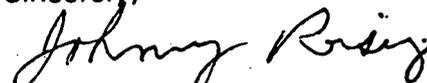
Wastewater Treatment (IAWWT) systems will be online. Because the AWWT Expansion System will be down and it provides water for the re-injection wells, the Re-injection Demonstration Module will also be shutdown. In accordance with the Operations and Maintenance Master Plan for the Aquifer Restoration and Wastewater Project, when the Re-Injection System is shutdown, South Plume Extraction Wells 6 and 7 are also shutdown.

It is estimated that the uranium concentration in the combined site effluent during the shutdown will be approximately 40 ppb. Therefore, DOE is requesting that the uranium concentrations in discharge during the March 8 through 10, 1999, shutdown not be considered in calculating the monthly average for March 1999.

We will provide you with an update/status of the maintenance shutdown during the March 9, 1999, conference call.

Should you have any questions regarding this matter, please contact Mr. John Kappa at (513) 648-3149.

Sincerely,



Johnny W. Reising  
Fernald Remedial Action  
Project Manager

FEMP:Kappa

cc:

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