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**SUBMITTAL OF THE ANALYTICAL RESULTS FROM THE JANUARY 31  
AND AUGUST 15, 1996, SAMPLING AT THE KC-2  
WAREHOUSE/WELL NUMBER 67**

02/18/97

DOE-0506-97  
DOE-FEMP      EPAS  
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REPORT



**Department of Energy**

**Ohio Field Office  
Fernald Area Office**

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**FEB 18 1997**

**DOE-0506-97**

**Mr. James A. Saric, Remedial Project Director  
U.S. Environmental Protection Agency  
Region V - 5HSF-5J  
77 W. Jackson Boulevard  
Chicago, Illinois 60604-3590**

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

**Dear Mr. Saric and Mr. Schneider**

**SUBMITTAL OF THE ANALYTICAL RESULTS FROM THE JANUARY 31 AND AUGUST 15, 1996, SAMPLING AT THE KC-2 WAREHOUSE/WELL NUMBER 67**

- References:**
- 1) Letter, DOE-0464-96, Johnny Reising (DOE-FEMP) to James A. Saric (U.S. EPA) and Tom Schneider (OEPA), "Submittal of the Analytical Results from August 1, 1995, for the KC-2 Warehouse/Well Number 67," dated February 15, 1996.**
  - 2) Letter, James A. Saric (U.S. EPA) to Johnny Reising (DOE-FEMP), "KC-2 Warehouse/Well 67," dated April 4, 1996.**

**This letter reports on the January 31 and August 15, 1996, sampling of the KC-2 Warehouse/Well Number 67. According to the Department of Energy (DOE) recommendations presented in the KC-2 Warehouse/Well Number 67 update (Reference 1) and approved by the U.S. Environmental Protection Agency (U.S. EPA) (Reference 2), the semiannual sampling of Well Number 67 has been reduced to an annual sample (August of each year) until the well is decommissioned.**

**The analytical results from both sampling rounds in 1996 are consistent with previously collected samples. It should be noted, however, that the samples collected on January 31, 1996, were validated as Analytical Support Level (ASL) B rather than the customary ASL C**

because no laboratory Quality Control (QC) sample was collected. The enclosed table (Table 1) provides a comparison of analytical results for all samples collected at Well Number 67. There were no confirmed exceedances of any primary Maximum Contaminant Level (MCL).

Included in Table 1 for the first time are the Final Remediation Levels (FRL) for various analytes as established by the Operable Unit (OU5) Record of Decision (ROD). All analytes, except lead, were observed at levels below the corresponding FRL in the filtered samples. Filtered results are appropriate for FRL comparison in this instance due to the known presence of contaminated materials within the well casing. The act of obtaining a sample can disturb this material to the extent that unfiltered samples are more representative of the characteristics of the sediment than the water. Filtering provides a consistent sample that can be used for comparative purposes. Once the well and sediment are removed, confirmation will proceed according to methodology that will be agreed upon following the EPA concurrence with a certification sampling plan.

The filtered lead result of 3.3  $\mu\text{g/L}$  from the August 1996 sampling event exceeded the FRL of 2  $\mu\text{g/L}$  for lead. However, the Fernald Environmental Management Project (FEMP) Project Specific Plan (PSP) for the Restoration Area Verification Sampling Program, Page A2, recommends that the FRL for lead be modified to coincide with the 15  $\mu\text{g/L}$  action level established by the U.S. EPA National Primary Drinking Water Regulations. This PSP is currently undergoing the U.S. EPA and Ohio Environmental Protection Agency (OEPA) review.

Both agencies will be notified of the analytical results for the next sampling event as normally scheduled. If you or your staff have any questions, please contact Kathleen Nickel at (513) 648-3166.

Sincerely,



 Johnny W. Reising  
Fernald Remedial Action  
Project Manager

FEMP:Nickel

Enclosure: As Stated

cc w/enc:

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