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Department of Energy

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Ohio Field Office
Fernald Area Office
P. O. Box 538705
Cincinnati, Ohio 45253-8705
(513) 648-3155

JUN 11 1998

DOE-0871-98

Mr. James A. Saric, Remedial Project Manager
U.S. Environmental Protection Agency
Region V-SRF-5J
77 West 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:

PRODUCTION WELL NUMBER 2

The Fernald Environmental Management Project (FEMP) has identified Production Well Number 2 as a source of water for implementing the FEMP fugitive dust control requirements. The use of Production Well Number 2 is deemed reasonable for dust control in lieu of using the drinking water supply coming from Hamilton County. Production Well Number 2 will become a primary source for fugitive dust abatement.

The use of water from Production Well Number 2 should not have any adverse impact on soil or groundwater Final Remediation Levels (FRL). Production Well Number 2 (which until February 1996 was used as a source of drinking water for the site population prior to connection with Cincinnati Water Works) is a deep well installed below the areas of groundwater contamination in the aquifer. An evaluation substantiated by groundwater modeling indicates that at least 500,000 gallons per day could be extracted from this well and not adversely affect groundwater remediation at the site. A review of historical data reveals no constituents above surface water or groundwater FRLs. Therefore, the use of Production Well Number 2 should be unrestricted relative to the locations where it will be used to control fugitive dust.

Production Well Number 2 will remain "as is" except for discharge piping modifications to allow top filling of tankers. An estimated water usage is anywhere from 100,000 to 300,000 gallons per day depending on the weather. Records will be maintained documenting how much water is used per day.

We currently plan to use Production Well Number 2 beginning July 1, 1998.

If you have any questions or concerns, please contact John Kappa at (513) 648-3149, or Robert Janke at (513) 648-3124.

Sincerely,



Johnny W. Reising
Fernald Remedial Action
Project Manager

FEMP:Kappa

cc:

N. Hallein, EM-42, CLOV
R. J. Janke, DOE-FEMP
A. Tanner, DOE-FEMP
G. Jablonowski, USEPA-V, SRF-5J
J. Saric, USEPA-V, SRF-5J
R. Beaumier, TPSS/DERR, OEPA-Columbus
R. Rochotte, OEPA-Columbus
F. Bell, ATSDR
M. Schupe, HSI GeoTrans
R. Vandegrift, ODH
F. Barker, Tetra Tech
D. Carr, FDF/52-2
T. Hagen, FDF/65-2
J. Harmon, FDF/90
R. Heck, FDF/2
S. Hinnefeld, FDF
AR Coordinator, FDF/78
EDC, FDF/52-7