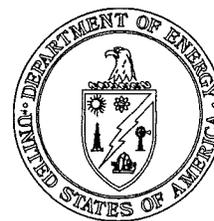




## Department of Energy

Ohio Field Office  
 Fernald Closure Project  
 175 Tri-County Parkway  
 Springdale, Ohio 45246



AUG 21 2006

Mr. Chris Griffith  
 RS: Director of Water Quality  
 Hamilton County General Health District  
 250 William Howard Taft, 2<sup>nd</sup> Floor  
 Cincinnati, Ohio 45219

DOE-0184-06

Dear Mr. Griffith:

The United States Department of Energy (DOE) is conducting groundwater remediation at the Fernald Site in Crosby Township. Based on groundwater modeling, the groundwater remediation activities are likely to continue for an additional 15 –20 years. The primary constituent of concern in the groundwater plume is uranium. The U.S. Environmental Protection Agency (EPA) approved drinking water standard for uranium is 30 parts per billion (ppb). As shown in the enclosed figure, the affected area where groundwater uranium concentrations are greater than 30 ppb (i.e., inside the 30 ppb contour line) extends to the south, beyond the DOE Fernald site property, approximately 2,400 feet.

The purpose of this letter is to help ensure that water supply wells are not installed in and around the area affected by the uranium plume. DOE requests that no well installation permits be approved in and around the area of the uranium plume where groundwater remediation is occurring. Additionally, DOE requests to be notified of any proposed drilling activities in the vicinity of the plume.

Per discussion between my Aquifer Restoration Contractor and Mr. Joe Leever, Crosby Township Sanitarian, the outline of the uranium plume can be provided to your staff in electronic format compatible with the Cagis System so that the plume can be overlain onto the aerial photo of the Fernald site area. My contractor will be in contact with Mr. Leever to coordinate transmittal of the electronic file containing the plume outline. As the groundwater remediation progresses at the Fernald site, the area of the off-property uranium plume will be reduced. We will periodically provide the Hamilton County General Health District with updated plume maps as necessary to reflect the changes in the area of the plume. We anticipate these updates will be provided every two to three years.

Mr. Chris Griffith

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DOE-0184-06

If you have any immediate questions regarding this please contact me at 513-648-3139 or Bill Hertel, Manager of Aquifer Restoration at 513-648-3894 (office) or 513-235-2325 (cell). In the future, please contact Ms. Jane Powell at (513) 648-3148.

Sincerely,



Johnny W. Reising  
Director

Enclosure: As Stated

cc w/ enclosure:

G. Stegner, DOE-OH

M. Lutz, S.M. Stoller Corp.

S. Marutzky, S.M. Stoller Corp.

J. Powell, DOE-LM/FCP, MS2

M. Cullerton, Tetra Tech

S. Helmer, ODH

G. Jablonowski, USEPA-V, SR-6J

M. Miller, S.M. Stoller Corp., MS2

M. Murphy, USEPA-V, A-18J

J. Saric, USEPA

D. Sarno, FCAB

T. Schneider, OEPA

M. Shupe, HSI GeoTrans

cc w/o enclosure:

J. Chiou, Fluor Fernald, Inc., MS88

B. Hertel, Fluor Fernald, Inc., MS12

J. Homer, S.M. Stoller Corp., MS12

F. Johnston, Fluor Fernald, Inc., M12

L. McHenry, S.M. Stoller Corp., MS12

C. Murphy, Fluor Fernald, Inc., MS1

D. Sizemore, Fluor Fernald, Inc., MS1

M. Sucher, Fluor Fernald, Inc., MS90

C. Tabor, S.M. Stoller Corp., MS12

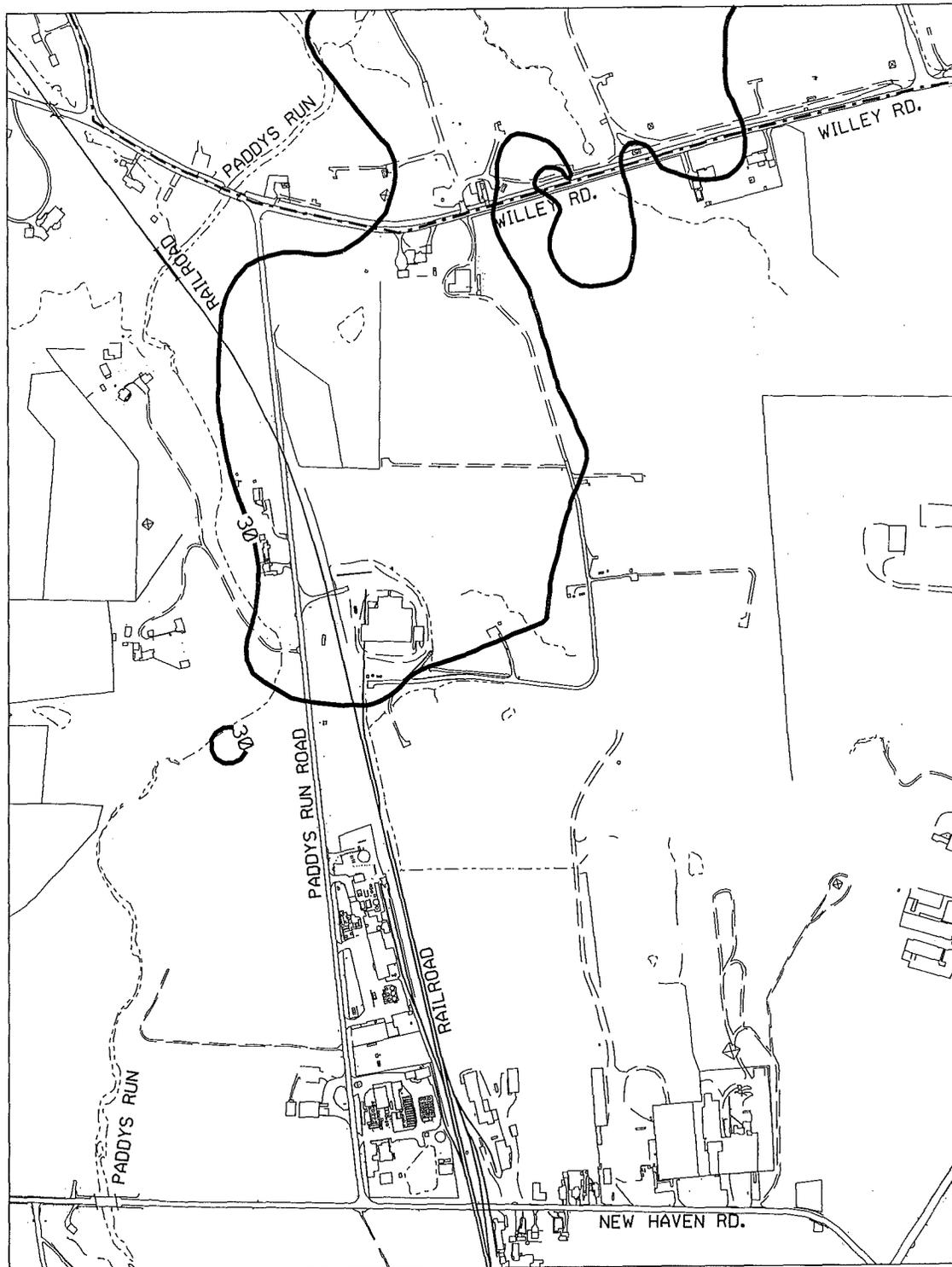
T. Terry, Fluor Fernald, Inc., MS1

S. Walpole, S.M. Stoller Corp., MS76

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STATE PLANNING COORDINATE SYSTEM 1983

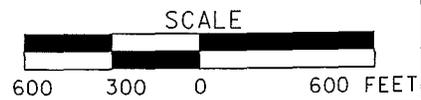
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LEGEND:

----- FERNALD SITE BOUNDARY

—30— 30 PARTS PER BILLION TOTAL URANIUM  
PLUME CONTOUR IN GROUNDWATER,  
FIRST HALF, 2006



FERNALD OFF-SITE GROUNDWATER TOTAL URANIUM PLUME LOCATION