

**THE USDOE ANNOUNCES THE AVAILABILITY  
FOR PUBLIC REVIEW OF THE ENGINEERING  
EVALUATION/COST ANALYSIS AND THE  
ADMINISTRATIVE RECORD FILE FOR THE  
SOUTH PLUME REMOVAL**

**05/21/90**

**WMCO/PUBLIC**

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**NOTICE**

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**THE UNITED STATES DEPARTMENT OF  
ENERGY ANNOUNCES THE AVAILABILITY FOR PUBLIC REVIEW  
OF THE ENGINEERING EVALUATION/COST ANALYSIS AND THE  
ADMINISTRATIVE RECORD FILE FOR THE SOUTH PLUME REMOVAL ACTION  
AT THE DOE'S FEED MATERIALS PRODUCTION CENTER  
AT FERNALD, OHIO**

The U. S. Department of Energy (DOE) announces that the Engineering Evaluation/Cost Analysis (EE/CA) for the South Plume Removal Action at the DOE's Feed Materials Production Center at Fernald, Ohio **IS AVAILABLE FOR PUBLIC REVIEW AND COMMENT. THE ORIGINAL COMMENT PERIOD HAS BEEN EXTENDED.** The South Plume Removal Action is being established by the DOE and the U.S. Environmental Protection Agency to prevent, minimize, or mitigate any threat to public health or welfare or the environment by commencing appropriate action without undue delay.

The EE/CA for the South Plume Removal Action has been prepared to analyze removal action alternatives and to support the selection of a preferred alternative. Data indicates the presence of radionuclides and inorganic metals in the groundwater south of the FMPC. None of the radionuclides or metals exceed established or derived drinking water limits with the exception of uranium. Uranium has been designated as the contaminant of concern for the South Plume Removal Action. In the case of the south plume, exposure to the contaminants can occur only if the groundwater reaches the ground surface. The scope of the removal action can be broadly defined as management of radioactively contaminated groundwater in an off-site area south of the FMPC. The fundamental objective of the removal action is to protect public health by limiting access to and use of groundwater with uranium concentrations exceeding the derived concentration limit. Secondary objectives for the removal action include: protection of the groundwater environment, mitigation of the source of groundwater contamination, and control of plume migration to additional receptors further south. The following alternatives have been selected for evaluation in the South Plume EE/CA: no action; groundwater monitoring and institutional controls; groundwater pumping without treatment, alternate water supply, groundwater monitoring, and institutional controls; and groundwater pumping with treatment, alternate water supply, groundwater monitoring, and institutional controls. Each of these alternatives was evaluated based on the criteria of: effectiveness, implementability, and cost, and are presented in the EE/CA.

**A COMMUNITY WORKSHOP ON THE SOUTH PLUME EE/CA HAS BEEN PLANNED FOR  
MAY 30, 1990 AT 7:00 PM AT THE CROSBY ELEMENTARY SCHOOL ON NEW HAVEN  
ROAD IN CROSBY TOWNSHIP.**

**WRITTEN AND ORAL COMMENTS ON THE EE/CA FOR THE SOUTH PLUME REMOVAL ACTION WILL BE ACCEPTED FOR A PERIOD OF THIRTY (30) DAYS FOLLOWING PUBLICATION OF THIS NOTICE. COMMENTS RECEIVED DURING THIS PERIOD WILL BE INCLUDED IN THE ADMINISTRATIVE RECORD FILE. THE COMMENT PERIOD MAY BE EXTENDED BY THE DOE UPON TIMELY REQUEST.**

The DOE announces also that the Administrative Record file for the South Plume Removal Action is available for public review. The Administrative Record file includes documentation relative to the decision for selecting and implementing the South Plume Removal Action. These documents may include, but are not limited to, sampling data, comments, new data submitted by interested persons, and DOE responses to significant public comments.

Both the Engineering Evaluation/Cost Analysis (EE/CA) and the Administrative Record file are available at the following locations and times:

Feed Materials Production Center  
Administration Building  
Administrative Record Reading Room  
7400 Willey Road  
Fernald, OH 45239  
Hours:  
Monday - Friday, 7:30 - 4:00

Lane Library  
N. 3rd and Buckeye St.  
Hamilton, OH 45011  
Hours:  
Monday - Thursday, 9:00 - 9:00  
Friday & Saturday, 9:00 - 5:00

Comments, written or oral, should be directed to:

Gerald W. Westerbeck  
Site Manager  
U. S. Department of Energy  
Feed Materials Production Center  
P.O. Box 398705  
Cincinnati, OH 45239-8705  
Telephone: 738-6655