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**SOUTH FIELD TRENCHING**

04-09-92

**OEPA/DOE-FN**

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**LETTER**



State of Ohio Environmental Protection Agency

**Southwest District Office**

40 South Main Street  
Dayton, Ohio 45402-2086  
(513) 285-6357  
FAX (513) 285-6404

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George V. Voinovich  
Governor

April 9, 1992

RE: SOUTH FIELD TRENCHING

Mr. Jack R. Craig  
Project Manager  
U.S. DOE FEMP  
P.O. Box 398705  
Cincinnati, Ohio 45239

Dear Mr. Craig:

The purpose of this letter is to conditionally approve the trenching work planned in the Southfield area. The conditions for approval are that DOE address to Ohio EPA's satisfaction, the comments listed below:

GENERAL COMMENT

1. The issue of water collecting in the trench is not addressed. Will any accumulated water simply be left in the trenches regardless of its source, zones of contamination, and possible leaching? Efforts need to be made to prevent rainwater from entering the trenches. Discuss these procedures in the text.

SPECIFIC COMMENTS

1. Section 5.1, Page 5-1, Paragraph 2: Are details of the Characterization Investigation Study such as instruments used and the specific results obtained reported in another document? Either refer to this document or, if no such document exists, provide the information here.
2. Section 5.1, Figure 5-1: This figure provides insufficient detail. The boundaries of the southfield area as described in the text should be indicated on the figure as well as the suspect areas. If this cannot be accomplished with one figure, two figures should be included: one indicating the southfield boundaries, the other depicting the suspect areas. Is the drainage that constitutes the western boundary of the southfield represented by the incomplete lines to the left of the figure? If so, they should be labeled as such. The location of Borings 1046 and 1047 (referred to on page 5-2) should be included on the figure. If they are in the same location as monitoring wells 2046 and 2047, explain this in the text as well. Generally, all areas discussed in the document should be described in full detail both in the text and on the figures.

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3. Section 5.1, Page 5-4, Paragraph 1: Describe what actions will be taken if the native soils have not been reached by 20 feet. Will the 20 foot sample be taken as well as a sample from just below the fill? Or will the 20 foot sample be eliminated.
4. Section 5.1, Page 5-4, Paragraph 1, Sentence 5: Correct this to read "beneath the fill."
5. Section 5.1, Page 5-4: An effort should be made to sample from areas of obvious contamination as indicated by visual observations and/or field instrument readings.
6. Section 5.1, Page 5-4, Paragraph 3: Define and discuss a SPA-3 and what it measures.
7. Section 5.1, Page 5-5, Paragraph 1: Provide more detail in regard to the intervals at which the depth of the test pit will be measured (i.e., every 5 feet? 10 feet?).
8. Section 5.1, Page 5-5, Paragraph 2: Define "clean soil" and indicate from where on the FMPC site this soil will be taken. Plans for compaction of this material needs to be addressed also, since excavation activities typically lead to areas of higher permeability than was originally present.
9. Section 5.1, Page 5-5, Paragraph 3: What are the north and south boundaries of South Field Area 1? Please indicate the tree line on Figure 5-1 (see Comment 2).
10. Section 5.1, Page 5-6, Paragraph 2: Indicate how deep the borings are intended to go in this area.
11. Section 5.1, Page 5-7, Paragraph 3: Is the Northeast Area shown on Figure 5-1? If so, please label it; if not, include it.

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There was some question on our part as to what portion of this plan was being submitted for review. If you have any concerns about this or questions about the comments, please contact Tom Schneider or me.

Sincerely,



Graham E. Mitchell  
Project Manager

GEM/klj

cc: Jennifer Kwasniewski, DERR  
Tom Schneider, DERR  
Jim Saric, U.S. EPA  
Dennis Carr, WEMCO  
Lisa August, GeoTrans  
Tom Hahne, PRC  
Robert Owen, ODH