

4937

**OHIO EPA COMMENTS ON "DEVELOPMENT
AND APPLICATION OF THE ECTRAN MODEL"
AND "GLACIAL OVERBURDEN/UPPER GREAT
MIAMI AQUIFER MODELING IMPROVEMENT
TECHNICAL APPROACH WORK PLAN"**

11/19/93

**OEPA/DOE-FN
3
COMMENTS
OU5**

Mr. Jack R. Craig
U.S. DOE - FEMP
November 19, 1993
Page 2

- 3) Commenting Organization: Ohio EPA Commentor: M. Proffitt
Section #: 2.7 Pg #: 2-18 Line #: 14 Code:
Original Comment #:
Comment: The potential pathway of direct connection between the waste source and the Great Miami Aquifer should be added as item number 4.

Response:

Action:

- 4) Commenting Organization: Ohio EPA Commentor: M. Proffitt
Section #: 2.7.1 Pg #: 2-20 Line #: 25-28 Code:
Original Comment #:
Comment: A technical discussion which more thoroughly describes the methodology of how an equivalent porous media will be substituted for fractured glacial overburden should be included in this report. Specifically, what data will be used to quantify the fractures, how will the nature of the representative porous media be determined, and how will a hydraulic conductivity be assigned to the porous media. Additionally, the discussion should also include a description of how the distribution of the porous media will be applied; specifically, how will varying thicknesses and occurrences of fractures be represented by the model.

Response:

Action:

- 5) Commenting Organization: Ohio EPA Commentor: M. Proffitt
Section #: 3.2 Pg #: 3-3 Line #: 29-31 Code:
Original Comment #:
Comment: Has this methodology of unsaturated flow simulation been approved by the technical support for the SWIFT III code?

Response:

Action:

- 6) Commenting Organization: Ohio EPA Commentor: M. Proffitt
Section #: 4.2.2 Pg #: 4-3 Line #: 18-19 Code:
Original Comment #:
Comment: The glacial till pump test locations were selected based upon the presence of large, continuous sand zones in order to maximize the potential of encountering sufficient yield necessary to conduct this type of aquifer testing.

Mr. Jack R. Craig
U.S. DOE - FEMP
November 19, 1993
Page 3

-4937

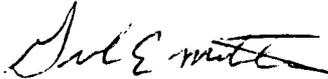
How will calibrating the model to this type of unit aid in the calibration of the low permeability units?

Response:

Action:

If you have any questions about these comments, please contact Mike Proffitt or me.

Sincerely,



Graham E. Mitchell
Project Manager

GEM:nys

cc: Jenifer Kwasniewski, DERR
Tom Schneider, DERR, SWDO
Mike Proffitt, DDAGW, SWDO
Jim Saric, U.S. EPA, Region 5
Ken Ackema, FERMCO
Lisa August, GeoTrans
Jean Michaels, PRC
Robert Owen, ODH