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5-408.16

**CONDITIONAL APPROVAL REVISED TECH SPECS-SO FIELD EXTRACTION
SYSTEM**

05/10/96

OEPA DOE-FN
4
COMMENTS



State of Ohio Environmental Protection Agency

Southwest District Office

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FERNALD

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George V. Voinovich
Governor

May 10, 1996

RE: DOE FEMP
MSL 531-0297
HAMILTON COUNTY
CONDITIONAL APPROVAL
REVISED TECH SPECS-SO
FIELD EXTRACTION SYSTEM

Mr. Johnny Reising
U.S. Department of Energy, Fernald Area Office
P.O. Box 538705
Cincinnati, OH 45253-8705

Dear Mr. Reising:

This letter serves as conditional approval of the "Revised Drawings and Technical Specifications for the South Field Extraction System Design Package". This package was received by Ohio EPA on April 10, 1996. The conditions of approval are the incorporation of the attached comments. Approval of this document does not constitute an assurance that the proposed facilities will operate in compliance with Ohio laws and regulations or that these facilities will perform in a fashion that achieves the objectives of the Operable Unit 5 Record of Decision.

If you have any questions, please contact Tom Ontko or me.

Sincerely,

Thomas A. Schneider
Fernald Project Manager
Office of Federal Facilities Oversight

- cc: Jim Saric, U.S. EPA
- Terry Hagen, FERMCO
- Ruth Vandergrift, ODH
- Mike Proffitt, DD&GW
- Sharon McLellan, PRC
- Manager, TPSS/DERR,CO
- Dave Ward, GeoTrans

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Comments on: "South field Extraction System Technical Specifications and Drawings",
May 2, 1996.

Commenting Organization: OEPA Commentor: GeoTrans, Inc. (DAG)

Section #: 13401 - 2.3 B General Pg. #: 11 of 13 Line #: Code:c

Original Comment #1

Comment: This section should include a description of the FIC-031 flow controller. The controller features should include damping to eliminate oscillations in the control loop.

Response:

Action:

Commenting Organization: OEPA Commentor: GeoTrans, Inc (DAG)

Section #: 13401 - 2.3 B2, Sheet # N0002 General Pg. #: 10 of 13 Line #: Code: c

Original Comment #2

Comment: If the pump flow (pump PMP-18) goes to zero, water from the force main will close the check valve V166. Since the pressure indicator (PIT031) is beyond the check valve, it will indicate the pressure in the force main. The low pressure alarm may not shut off the pump in this situation, endangering the pump. This may be corrected by moving the check valve beyond the pressure indicator (PIT031). This arrangement should be corrected at every pump location.

Response:

Action:

Commenting Organization: OEPA Commentor: GeoTrans, Inc.(DAG)

Section #: 13401 - 2.3 B General Pg. #: 11 of 13 Line #: Code: c

Original Comment #3

Comment: The letter "B" is used twice in Section 2.3.

Response:

Action:

Commenting Organization: OEPA Commentor: GeoTrans, Inc.

Drawing 95X-5900-G-00221 Sheet #: G-0017 Line #: Detail 11 Code: DAG

Original Comment #4

Comment: There are no references to Detail 11 G00221 on sheets G00252, G00253, and G00269 as stated at the detail.

Response:

Action:

Commenting Organization: OEPA Commentor: GeoTrans, Inc.(DAG)

Drawing 95X-5900-G-00221 Sheet #: G-0017 Line #: Detail 16 Code:c

Original Comment #5

Comment: There are no references to Detail 16 G00221 on sheets G00252, G00253, and G00269 as stated at the detail.

Comments on: "South field Extraction System Technical Specifications and Drawings",
May 2, 1996.

Response:

Action:

Commenting Organization: OEPA Commentor: GeoTrans, Inc. (DAG)

Drawing: 95X-5900-G-00219 Sheet #: G-0015 Line #: Detail 12 Code:c

Original Comment #6

Comment: The Tie-In Detail will require a modification of the Typical 2 Pipe Bedding detail found on Sheet G0017. The required trench and pipe bedding will need to be deeper to accommodate the vertically staggered pipes.

Response:

Action:

Commenting Organization: OEPA Commentor: GeoTrans, Inc. (JB)

Drawing: 95X-5900-X-00202 Sheet: G-00219 Line #: Code:c

Original Comment #7

Comment: DWG G-00219 (Sheet No. G0015), Tie-in Detail 4 should have reference of DWG G-00265 (Sheet No. G0007) noted with it. No reference is mentioned.

Response:

Action:

Commenting Organization: OEPA Commentor: GeoTrans, Inc. (JB)

Section #: 95X-5900-X-00202 Pg. #: DWG G-00219 Line #: Code:c

Original Comment #8

Comment: DWG G-00219 (Sheet No. G0015), Tie-in Detail 12 should have reference of DWG G-00265 (Sheet No. G0007) noted with it. No reference is mentioned.

Response:

Action:

Commenting Organization: OEPA Commentor: GeoTrans, Inc.

Drawing: 95X-5900-X-00202 Sheet: Line #: Code: JB

Original Comment #9

Comment: DWG A-00224 (Sheet No. A0001), air flow within the pump house seems excessive in comparison to the valve house (14,800 CFM compared to 1,400 CFM).

Response:

Action:

Commenting Organization: OEPA Commentor: GeoTrans, Inc. (JB)

Drawing: 95X-5900-X-00202 Sheet: P-00255 Line #: Code:c

Original Comment #10

Comments on: "South field Extraction System Technical Specifications and Drawings",
May 2, 1996.

Comment: Drawing P-00255 (Sheet No. G0008), post indicator valve STA 0+06 has
incorrect reference number 6-G00220. The correct reference number should be 6-
G00219.

Response:

Action:

Commenting Organization: OEPA Commentor: GeoTrans, Inc.

Drawing: 95X-5900-X-00202 Sheet: DWG G-00220 Line #: Code: JB

Original Comment #11

Comment: Drawing G-00220 (Sheet No. G0016), the note on HDPE flange adapter detail has
the word "ductile" spelled incorrectly as "dutile".

Response:

Action:

SFES.WP5