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**COAL STORAGE FACILITY RUNOFF
COLLECTION BASIN, DETERMINATION OF NO
LINER REQUIRED, GROUNDWATER
MONITORING ALTERNATIVE SELECTED**

04/07/89

**DOE-882-89
DOE-FMPC/OEPA
4
LETTER**



Department of Energy
FMPC Site Office
P.O. Box 398705
Cincinnati, Ohio 45239-8705
(513) 738-6319

April 7, 1989
DOE-882-89

Mr. Thomas Winston
Ohio Environmental Protection Agency
40 South Main Street
Dayton, OH 45402

Dear Mr. Winston:

COAL STORAGE FACILITY RUNOFF COLLECTION BASIN, DETERMINATION OF NO LINER REQUIRED, GROUNDWATER MONITORING ALTERNATIVE SELECTED

Reference: Teleconference, J. Craig (DOE) and D. J. Brettschneider (WMCO) to G. Mitchell (OEPA), "Required Actions for the Coal Storage Facility Runoff Collection Basin", on March 8, 1989.

This letter documents the above referenced telephone conference during which Ohio EPA determined that no liner will be required for the Coal Storage Facility Runoff Collection Basin, provided that provisions be made for groundwater monitoring and management of water levels in the Runoff Collection Basin.

More specifically, underlying Ohio EPA's determination and understanding, U.S. DOE proposes, and requests Ohio EPA to concur, that the two wells be installed in the general location of soil borings #5 and #6 of the Coal Storage Area Subsurface Investigation as indicated on Attachment No. 1, that the wells be installed to a depth slightly below the bottom of the basin (approximately twelve feet), and that these wells be monitored for the following indicators of leaching from the Runoff Collection Basin:

- 1) pH
- 2) Conductivity
- 3) Chloride
- 4) Total and Isotopic Uranium (U234, U235, U236 and U238)
- 5) Phenols
- 6) Sulfate
- 7) Total Dissolved Solids

Attachment No. 2 shows the general characteristics of the monitoring wells we propose. This is the same type well being installed onsite under the Ohio EPA approved RI/FS Workplan.

Within ninety (90) days of receipt of Ohio EPA's written approval of the above proposal regarding the location and construction of the two monitoring wells, U.S. DOE will submit its application to Ohio EPA for a Permit to Install (PTI) of the Coal Storage Facility Runoff Collection System. This schedule is consistent with the schedule in paragraph 4.3[B] of the Consent Decree dated December 2, 1988 in OHIO V. UNITED STATES DEPARTMENT OF ENERGY, et al., Case No. C-1-86-0217, U. S. Dist. Ct., So. Dist. Ohio.

A prompt review of this letter and its attachments would be appreciated. Please forward any questions regarding this matter to Jack Craig, of my staff, at extension 6159.

Sincerely,

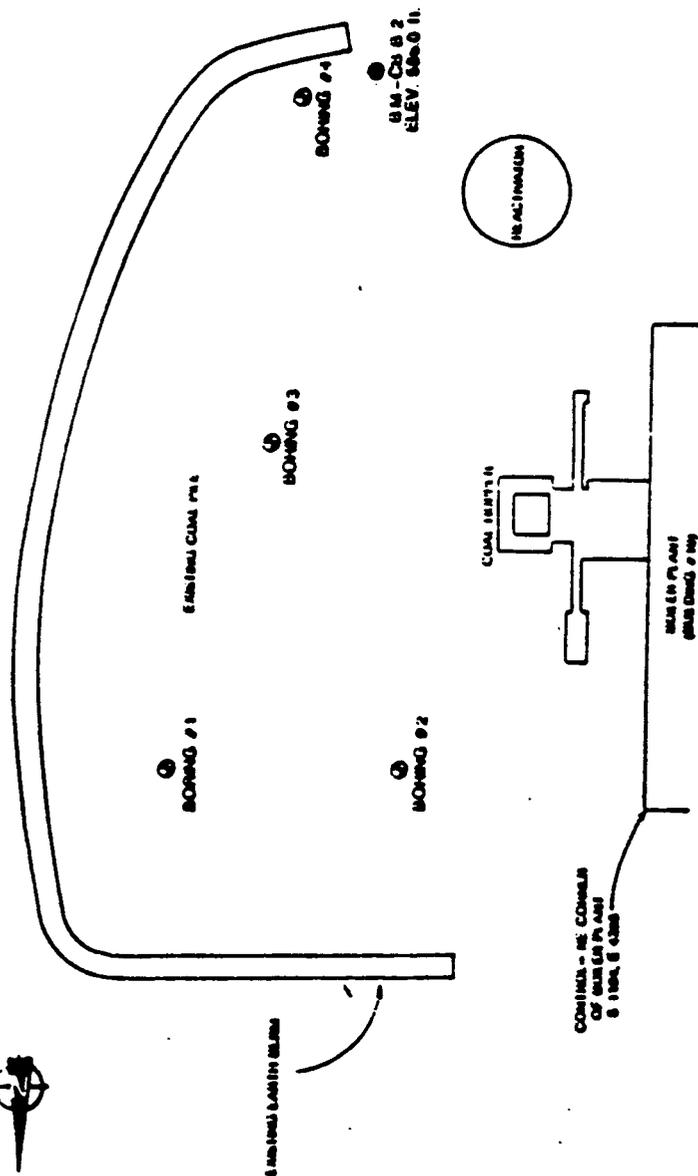

James A. Reafsnyder
Site Manager

DP-84:Craig

Attachments: As stated

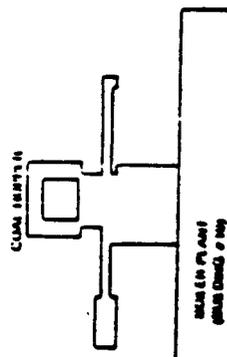
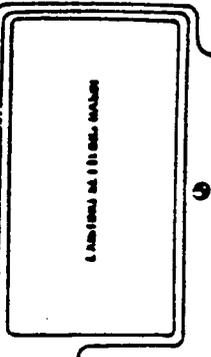
cc w/attachments:

L. Sparks, SE-31, ORO
R. Bendula, OEPA/Dayton
G. Mitchell, OEPA/Dayton
M. Burt, OEPA/Dayton
R.C. Kispert, WMCO
D. Brettschneider, WMCO



Monitoring Well 1

Monitoring Well 2



CONCRETE WALKWAY
OF WATER PLANT
& 100' x 100'

- LEADING.
- MON. WELL
- CATCH BASIN

1. 545



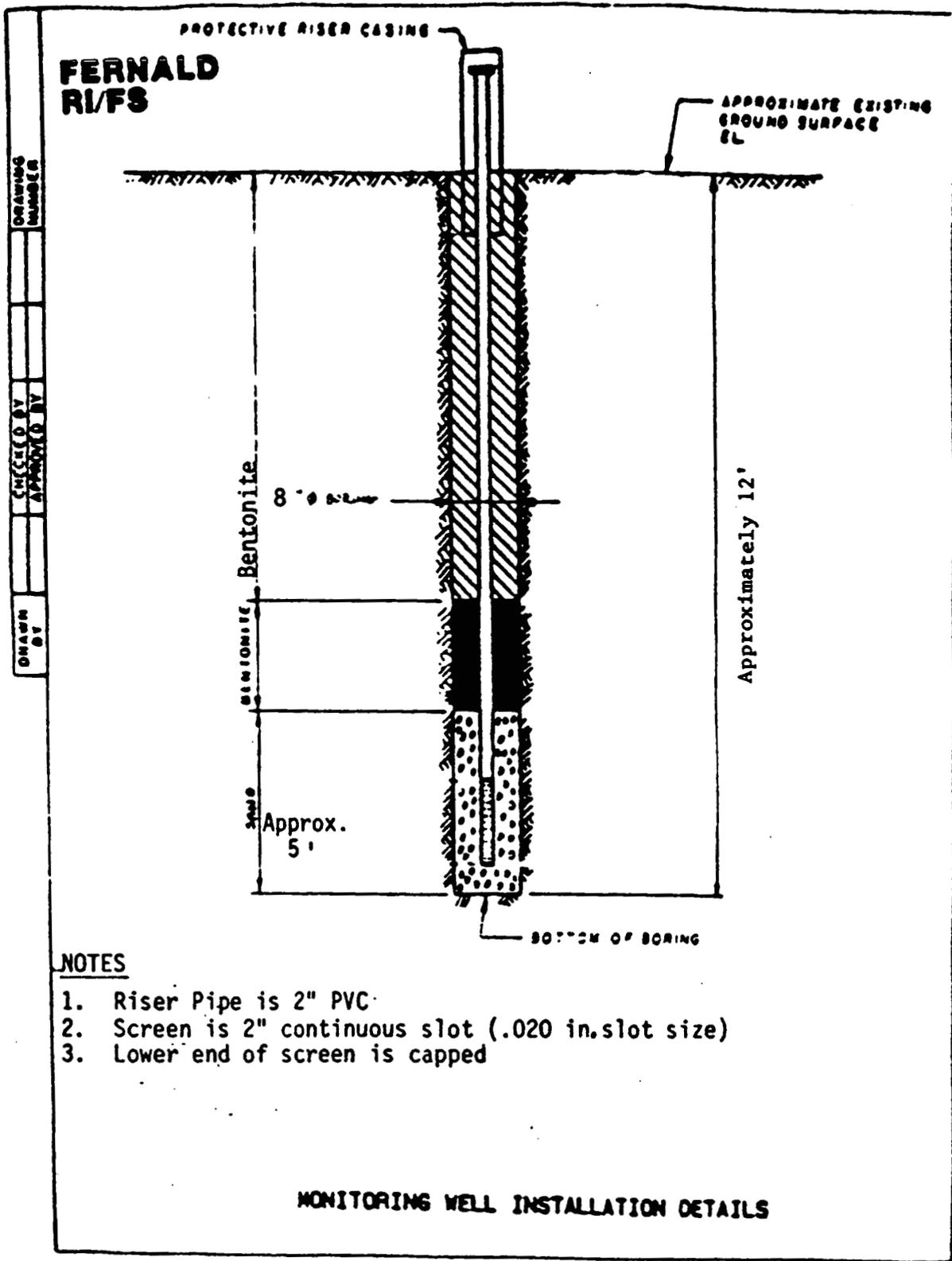
CINCINNATI, OHIO

Westinghouse Materials Company Of Ohio
 Existing Coal Storage Facility
 FMP/C Federal Ohio

SCALE: Not to Scale
 DRAWN BY: MAAH
 APPROVED BY: JPH

PROJECT NO: 41-4 MB 300
 DATE: July 1988

S&ME DOCUMENT # 101



NOTES

- 1. Riser Pipe is 2" PVC
- 2. Screen is 2" continuous slot (.020 in. slot size)
- 3. Lower end of screen is capped

MONITORING WELL INSTALLATION DETAILS