

1773

**CONCERNS PERMIT TO INSTALL (PTI) FOR
STORM WATER RETENTION BASIN**

09/18/87

**OEPA/DOE-FMPC
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LETTER**



State of Ohio Environmental Protection Agency

Southwest District Office
7 East Fourth Street
Dayton, Ohio 45402-2086
(513) 449-6357

Richard F. Celeste
Governor

1773

September 18, 1987

Mr. James A. Reafsnyder
U.S. DOE/FMPC
P.O. Box 398705
Cincinnati, Ohio 45239

Dear Mr. Reafsnyder:

During an August 18, 1987, meeting with DOE and WMCO representatives, the status of Permit to Install (PTI) 05-1043 was discussed. The most recent edition of this permit application was received in two volumes on November 28, 1986, and it addressed coal pile runoff collection, storm water/spill retention, and biodenitrification demonstration facilities. This letter will provide formal notification of how we intend to process this PTI application.

The existing permit number (05-1043) will be assigned to the PTI due October 1, 1987, per Order 6 of the Director's Findings and Orders. The plan review and application fees already paid will be credited to this revised PTI, which will address the storm water/spill retention facilities only.

Your September 1, 1987, letter (re: Orders 6 and 8) has been reviewed. This review identified several areas of concern. We recognize that the PTI package is virtually ready for submittal, however, you should be aware that the plans will be reviewed to ensure the following items are addressed, as well as those listed in my letter of 9/17/87;

Solids removal/basin maintenance schedule which reflects our comments on the Order 4 study.

Contingency Plan specified in Order 7.

Description of sampling station at existing spillway (outfall 002).

Description of system operation during a spill event (i.e., how is emergency spill basin isolated and what treatment will be provided? Is there a bypass of the ESB so existing SWRB can receive subsequent storm flow?)

Relocation of the existing SWRB outlet. Design of inlet and outlet structures in proposed basin must prevent short circuiting.

Discussion of runoff coefficient used in calculating hydraulic loading from consecutive precipitation events (i.e., won't it be greater than 0.55 due to saturation?).

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Description of any sampling station prior to discharge to outfall 001. NPDES permit requires compliance with suspended solids limits at 001 only (20 mg/l - avg., 40 mg/l - max.), however, internal monitoring is recommended to evaluate system performance.

Location of sampling point and indication of flow route for groundwater interceptor system.

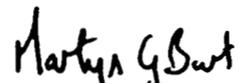
Lastly, to what extent would solids be reduced if the basins were operated in sequence? Has consideration been given to routing storm water through the proposed basin with the overflow entering the existing basin for final settling prior to discharge through the effluent pump station?

A second PTI application and check for the plan review and application fees must be submitted for the coal pile runoff collection and treatment system. A third PTI application and check for the plan review and application fees must be submitted for the full production-scale biodenitrification facilities. Deadlines for submittal of these PTI's, as well as guidelines on the information to be included in the plans, will be outlined in separate letters which will be sent to you in the next couple weeks.

All PTI application packages must include the following items: a completed, signed application; three copies of the plan report, all drawings and data; and a check for the application fee (\$15) and plan review fee (\$100 plus 0.2% of the estimated project cost) made payable to "Treasurer, State of Ohio". I have enclosed three PTI application forms, instructions for plan submission, a fee information pamphlet and a fee worksheet.

Please call me if you have any questions.

Sincerely,



Martyn G. Burt
Industrial Wastewater Group Leader

MGB/dkc

cc: Robert Phelps, IWW-CO
Jack Van Kley, AGO