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G-000-101 .64

RE: PROCESS WASTE WATER MANAGEMENT DURING
BIODENITRIFICATION UPGRADE

09/15/89

OEPA DOE-FN
2
COMMENTS



State of Ohio Environmental Protection Agency

Southwest District Office
40 South Main Street
Dayton, Ohio 45402-2086
(513) 449-6357
FAX (513) 449-6249

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Richard F. Celeste
Governor

September 15, 1989

Re: PROCESS WASTEWATER MANAGEMENT
DURING BIODENITRIFICATION
UPGRADE

Mr. James A. Reafsnyder
FMPC Site Manager
U.S. DOE Feed Materials Production Center
P.O. Box 39804
Cincinnati, Ohio 45239

Dear Mr. Reafsnyder:

The proposals presented in your letter of August 4, 1989 regarding waste water management during biodenitrification construction are acceptable. These proposals are listed below with associated comments where needed:

1. A shutdown of all four biodenitrification towers is necessary to allow for system modifications. This shutdown will last a maximum of 120 days.
2. During the shutdown, excess storm water collected in the clearwell may be pumped to manhole 175. Please note that the draft NPDES permit makes allowance for this situation for up to 16 weeks only.
3. Monitoring stations 602 (general sump) and 605 (biodenitrification) will be combined at the general sump for the duration of the shutdown. Continued monitoring of the combined outfall for all the parameters listed for each outfall will be required. The applicability of NPDES permit limitations under these circumstances is under review. The Ohio EPA will contact you on this point in the near future.
4. Storage of wastestreams containing more than 500 ppm nitrates in the high nitrate storage tank and the 2 one million gallon temporary storage tanks. No discharge of these high nitrate wastestreams will occur until the biodenitrification upgrade is completed and the towers are back on line.
5. Storage of wastestreams containing less than 500 ppm in the biosurge lagoon with controlled discharge through the

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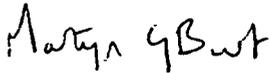
Mr. James A. Reafsnyder
FMPC Site Manager
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general sump to manhole 175. FMPC propose to manage this discharge so as to comply with the nitrate loading limitations of the NPDES permit.

While these proposals are acceptable, it must be clear that the terms and conditions of the NPDES permit effective at the time will remain in full effect throughout the shutdown period.

If you have any questions about this letter, please contact me at this office.

Sincerely,



Martyn G. Burt
Group Leader
Division of Water Pollution Control
Compliance & Enforcement

MGB/lal

cc: Graham Mitchell
Jack Van Kley, Ohio Attorney General's Office
John Sadzewicz, Manager, DWPC/Permits