



**Environmental  
Protection Agency**

John R. Kasich, Governor  
Mary Taylor, Lt. Governor  
Scott J. Nally, Director

Re: Erie County  
Freudenberg- NOK  
NPDES Permit

February 13, 2012

Mr. Dave Fedders  
Director of Operations  
Freudenberg- NOK  
11617 State Route 13  
Milan, Ohio 44846

Dear Mr. Fedders:

On February 2, 2012, an inspection was made of wastewater treatment plant serving Freudenberg- NOK, in conjunction with the upcoming renewal of your NPDES permit that expires June 30. In general, both operation and maintenance appeared good. The rebuilt surface sand filters were well kept. At the time of my visit, all major treatment components were in operation, and a very clear final effluent was being discharged from the plant.

NPDES monthly discharge monitoring reports are being received in a timely manner, and indicate periodic violations when direct discharging to Mud Brook. Treated effluent is spray irrigated for a majority of the year.

We received your NPDES permit renewal application and you will be receiving a draft copy of the permit in the near future. You should review it carefully, as there is a 30 day comment period to respond to any permit conditions.

Our completed inspection report is enclosed. If you have any questions, please me at (419) 373-3020, or email at [rick.zuzik@epa.state.oh.us](mailto:rick.zuzik@epa.state.oh.us).

Sincerely,

Richard A. Zuzik, MSE  
Division of Surface Water

/jlm

Enclosure

pc: Erie County Health Department  
Eastwood Environmental  
ec: Inspection Tracking

OHIO ENVIRONMENTAL PROTECTION AGENCY

OPERATION AND MAINTENANCE INSPECTION  
WWTP'S LESS THAN 25,000 GPD

NPDES Permit No. 21N00001

Facility Name Freudenberg - NOK Expiration Date 6-30-12

Facility Address 11617 SR 13 Date 2-2-12 Time 11<sup>00</sup> am

City - County Erie Township Milan

Name and Address of Owner Dave Fedders, Director of Operations

Person Contacted - Owner Phone (419) 499-2502

Flow: Design 6000 GPD Present - GPD (metered - estimated)

Trib. Pop. 250 (actual - estimated) Weather at time of inspection: Temp 40° Overcast

OEPA Personnel Bick Zuzik District NWDO

1. Plant Effluent - Mark Severity No.

No.	Severity Description	No.	Turbidity	No.	Odor	No.	Color
<u>0</u>	None		<u>Clear</u>		<u>None</u>		<u>Colorless</u>
1	Mild						
2	Moderate		<u>Light Solids</u>		<u>Musty</u>		<u>Grey</u>
3	Serious						
4	Extreme		<u>Heavy Solids</u>		<u>Septic</u>		<u>Black</u>

2. Effect of effluent on Receiving Stream Name: Trib to Mud Brook

No.	Severity Description	No.	Turbidity	No.	Odor	No.	Color
<u>0</u>	None		<u>Clear</u>		<u>None</u>		<u>Colorless</u>
1	Mild						
2	Moderate		<u>Light Solids</u>		<u>Musty</u>		<u>Grey</u>
3	Serious						
4	Extreme		<u>Heavy Solids</u>		<u>Septic</u>		<u>Black</u>

3. a. Plant has \_\_\_\_\_ excellent ✓ good \_\_\_\_\_ fair \_\_\_\_\_ poor operation  
 b. Plant has \_\_\_\_\_ excellent ✓ good \_\_\_\_\_ fair \_\_\_\_\_ poor maintenance  
 c. Sand filters have \_\_\_\_\_ excellent ✓ good \_\_\_\_\_ fair \_\_\_\_\_ poor maintenance

d. Not operating at expected efficiency due to:

- (1) \_\_\_\_\_ hydraulic overload  
 (2) \_\_\_\_\_ organic/ solids overload  
 (3) \_\_\_\_\_ personnel inefficiency  
 (4) \_\_\_\_\_ equipment failure  
 (5) \_\_\_\_\_ wastes  
 (6) \_\_\_\_\_

Disinfection: (Required May 1 thru Oct.31.)		
IN	OUT	
_____	_____	Chlorination Tablets <u>N/A</u>
_____	_____	Dechlorination Tablets
_____	_____	U.V.

Yes No

(2011)

On Site Log ✓

4. ✓ Compliance with NPDES Permit

Periodic Violations Y N Parameters: TSS, BOD<sub>5</sub>

Chronic Violations \_\_\_\_\_

5. ✓ Adequate plant safety

6. ✓ Operation and Maintenance Service Name Eastwood Env

Frequency of Visits \_\_\_\_\_

Facility Name: Freudenberg - NOK

Process	# Units	Unit	If Needed - Description and Comments
Preliminary	1	Trash Trap	Pumping Frequency:
		Grease Trap	Pumping Frequency:
		Bar Screen	
		Comminutor	
		Flow Equalization	
Aeration Equipment		Plant Timer ___Y___ N	Cycle Time:
	2	Motor/ Blower Unit	
Secondary Treatment	2	Aeration Tank	Color: <u>Brown</u> Adequate Aeration: Y <input checked="" type="checkbox"/> N <input type="checkbox"/>
Final Settling	1	Clarifier	<u>Good Settling</u>
	2	Sludge Return	In <input checked="" type="checkbox"/> Out <input type="checkbox"/>
	1	Surface Skimmer	In <input checked="" type="checkbox"/> Out <input type="checkbox"/>
		Fixed Media Clarifier	
Tertiary Treatment	2	Surface Sand Filter	<u>Rebuilt, well kept</u>
		Polishing Pond	
		Other	
Disinfection	1	Contact Tank	<u>Vary clear</u>
	1	Chlorine Tube Feeder	<u>IN</u>
	1	Dechlorination Tube Feeder	<u>IN</u>
		Ultraviolet (UV)	
Flow Metering		Elapsed Pump Time	
		Recorder (continuous total)	
Pumps		Raw Wastewater (type)	
		Sand Filter Effluent Dosing	
Sludge Handling	<input checked="" type="checkbox"/>	Aerated Storage Tank	
		Sludge Drying Bed	
Sludge Disposal	<input checked="" type="checkbox"/>	Municipal POTW	
		Landfill	
		Land Application	
Advanced Treatment		Post Aeration	
	<input checked="" type="checkbox"/>	Spray Irrigation	<u>Spring thru Fall</u>
		Other	