2PR0014020080319

ASHLAND	COBURN INC	2PR00140	2008/03/19	ARISS, WALTER		HAYESVILLE

OhioEPA

State of Ohio Environmental Protection Agency

Northwest District Office

347 North Dunbridge Road
Bowling Green, OH 43402-9398

TELE: (419) 352-8461 FAX: (419) 352-8468
www.epa.state.oh.us

Ted Strickland, Governor
Lee Fisher, Lieutenant Governor
Chris Korleski, Director

Re: Ashland County
Coburn Inc.
NPDES Permit 2PR00140

March 19, 2008

Mr. Chuck Zimmerman, President
Coburn Incorporated
P.O. Box 147
636 C.R. 30-A
Hayesville, Ohio 44838

Dear Mr. Zimmerman:

On February 28, 2008, an inspection was made of the wastewater treatment facilities serving Coburn Incorporated located at 636 C.R. 30-A, Vermillion Township, Ashland County. At the time of the inspection all major treatment units were in operation and appeared to be functioning normally. A few concerns were noted as follows.

An unusual odor was emanating from the aeration tank. This odor smelled similar to paint. Under no circumstances should any industrial wash waters go to the treatment plant. The plant is not designed to treat process wastewater or wash water, and your NPDES permit does not authorize the discharge of this type of waste. Our office is concerned that this may be the case. Only sanitary wastewater should go to the treatment plant.

The level of the water in the chlorine tank was several inches below the discharge pipe. It appears that the leak from this tank has yet to be repaired. This work needs to be completed as soon as possible.

Our office has been made aware that Dean's Backflow Service has been hired as your new certified operator. Mr. Kevin Dean contacted our office to discuss the excessive violations occurring at the treatment plant. He indicated that the treatment tanks would be raised up to prevent any surface flow from entering the tanks. At the time of the inspection this work had been completed. He also indicated that the surface sand filter beds lacked a liner under the filter media. A liner is necessary to prevent ground water from intruding into the filters from below. He indicated that a liner would be installed once the weather permits.

A review of the monthly operating reports submitted to our office for the months of July 2007 through February 2008 revealed numerous ***violations*** of the conditions of your NPDES permit. A printout of these violations is enclosed for your review.

The review also revealed that the daily odor, color, and turbidity are not being recorded as required by the permit. This issue has been discussed in several previous letters. It is absolutely essential that these checks be completed. Failure to show improvement will lead to enforcement action.

All of the above items should be corrected as soon as possible. It will be necessary for you to confirm to our agency that no industrial related wastewaters or wash waters are being sent to the treatment plant. Please submit this in writing to our office **within 14 days** of receipt of this letter. It will also be necessary to inform our office once the chlorine tank is sealed and the filter liner is installed.

If you have any questions, please contact me at 419-373-3070.

Sincerely,

Walter Ariss
Environmental Specialist II
Division of Surface Water

/llr

Enclosure

pc: DSW:NWDO:File w/ enclosure
Kevin Dean, Dean's Backflow Service w/enclosure

OHIO ENVIRONMENTAL PROTECTION AGENCY

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

NPDES Permit No. 2PR00140

Facility Name Coburn Inc Expiration Date 4/30/2011

Facility Address 636 CR 30-A Date 2/28/08 Time 1:00 am / pm

City Hayesville County Ashland Township

Name and Address of Owner Chuck Zimmerman

Person Contacted Owner Phone

Flow: Design 4,500 GPD Present 4,000 GPD (metered - estimated)

Trib. Pop. (actual - estimated) Weather at time of inspection: Temp

OEPA Personnel Walter Hriss District NWDO

1. Plant Effluent - Mark Severity No.

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

2. Effect of effluent on Receiving Stream ~~Nature~~ chlorine tank leaking

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

3. a. Plant has _____ excellent _____ good X fair _____ poor operation
b. Plant has _____ excellent X good _____ fair _____ poor maintenance
c. Sand filters have _____ excellent X good _____ fair _____ poor maintenance

d. Not operating at expected efficiency due to:

(1) _____ hydraulic overload
(2) _____ organic/ solids overload
(3) _____ personnel inefficiency
(4) X equipment failure – Chlorinator
(5) _____ wastes
(6) possible industrial wastes

Disinfection: (Required May 1 thru Oct.31.)

IN	OUT	
	X	Chlorination Tablets
	X	Dechlorination Tablets
		U.V.

	Yes	No	
4.		X	Compliance with NPDES Permit

	Y	N	Parameters:
Periodic Violations			
Chronic Violations	X		NH_3, BOD, TSS, odor, color, turbidity

5. X ____ Adequate plant safety

6. X ____ Operation and Maintenance Service Name Dan's Backflow

Frequency of Visits ?

Facility Name: Cobura Inc

Process	# Units	Unit	If Needed - Description and Comments
Preliminary	✓	Trash Trap	Pumping Frequency: ?
		Grease Trap	Pumping Frequency:
		Bar Screen	
		Comminutor	
		Flow Equalization	
Aeration Equipment	✓	Plant Timer ✓Y ___ N Motor/ Blower Unit running	Cycle Time:
Secondary Treatment	✓	Aeration Tank	Color : color weak, faint odor heavy white foam Adequate Aeration: Y ✓ N ___
Final Settling	✓	Clarifier	okay
	✓	Sludge Return	In ✓ Out ___
	✓	Surface Skimmer	In ___ Out ✓
		Fixed Media Clarifier	
Tertiary Treatment	✓	Surface Sand Filter	both beds look good, no liner under beds
		Polishing Pond	
		Other	
Disinfection	✓	Chlorine Tube Feeder	out / Chlorine tank has leak water level several inches
	✓	Dechlorination Tube Feeder	out / below pipe
		Ultraviolet (UV)	
Flow Metering	✓	Elapsed Pump Time	filter dosing
		Recorder (continuous total)	
Pumps		Raw Wastewater (type)	
	✓	Sand Filter Effluent Dosing	okay
Sludge Handling		Aerated Storage Tank	
		Sludge Drying Bed	
Sludge Disposal	✓	Municipal POTW	
		Landfill	
		Land Application	
Advanced Treatment	✓	Post Aeration	on
		Spray Irrigation	
		Other	

Coburn Inc. NPDES limit violations
July 2007 through February 2008

Permit No	Reporting Period	Station	Reporting Code	Parameter	Limit Type	Limit	Reported Value	Violation Date
2PR00140*BD	July 2007	001	50060	Chlorine, Total Residu	1D Conc	0.019	.7	7/20/2007
2PR00140*BD	August 2007	001	00530	Total Suspended Solids	30D Conc	12.0	12.6	8/1/2007
2PR00140*BD	August 2007	001	50060	Chlorine, Total Residu	1D Conc	0.019	.4	8/7/2007
2PR00140*BD	August 2007	001	00300	Dissolved Oxygen	1D Conc	6.0	5.	8/7/2007
2PR00140*BD	September 2007	001	00530	Total Suspended Solids	30D Conc	12.0	12.7	9/1/2007
2PR00140*BD	September 2007	001	50060	Chlorine, Total Residu	1D Conc	0.019	.4	9/13/2007
2PR00140*BD	September 2007	001	00300	Dissolved Oxygen	1D Conc	6.0	5.	9/13/2007
2PR00140*BD	December 2007	001	00530	Total Suspended Solids	30D Conc	12.0	53.	12/1/2007
2PR00140*BD	December 2007	001	00610	Nitrogen, Ammonia (NH3	30D Conc	1.5	3.02	12/1/2007
2PR00140*BD	December 2007	001	00610	Nitrogen, Ammonia (NH3	30D Conc	3.0	3.02	12/1/2007
2PR00140*BD	December 2007	001	80082	CBOD 5 day	30D Conc	10	25.	12/1/2007
2PR00140*BD	December 2007	001	00530	Total Suspended Solids	1D Conc	18.0	53.	12/25/2007
2PR00140*BD	December 2007	001	00610	Nitrogen, Ammonia (NH3	1D Conc	2.3	3.02	12/25/2007
2PR00140*BD	December 2007	001	80082	CBOD 5 day	1D Conc	15	25.	12/25/2007
2PR00140*BD	January 2008	001	00530	Total Suspended Solids	30D Conc	12.0	38.	1/1/2008
2PR00140*BD	January 2008	001	00610	Nitrogen, Ammonia (NH3	30D Conc	3.0	6.612	1/1/2008
2PR00140*BD	January 2008	001	80082	CBOD 5 day	30D Conc	10	38.	1/1/2008
2PR00140*BD	January 2008	001	00530	Total Suspended Solids	1D Conc	18.0	38.	1/14/2008
2PR00140*BD	January 2008	001	00610	Nitrogen, Ammonia (NH3	1D Conc	4.5	6.612	1/14/2008
2PR00140*BD	January 2008	001	80082	CBOD 5 day	1D Conc	15	38.	1/14/2008
2PR00140*BD	February 2008	001	00530	Total Suspended Solids	30D Conc	12.0	37.	2/1/2008
2PR00140*BD	February 2008	001	00610	Nitrogen, Ammonia (NH3	30D Conc	3.0	51.	2/1/2008
2PR00140*BD	February 2008	001	80082	CBOD 5 day	30D Conc	10	66.	2/1/2008
2PR00140*BD	February 2008	001	00530	Total Suspended Solids	1D Conc	18.0	37.	2/4/2008
2PR00140*BD	February 2008	001	00610	Nitrogen, Ammonia (NH3	1D Conc	4.5	51.	2/4/2008
2PR00140*BD	February 2008	001	80082	CBOD 5 day	1D Conc	15	66.	2/4/2008