



State of Ohio Environmental Protection Agency

Northwest District Office

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Bowling Green, OH 43402-9398

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www.epa.state.oh.us

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

Re: Wood County
City of Perrysburg WWTP
NPDES Permit

June 27, 2008

Mr. Jon Eckel, Service Director
City of Perrysburg
201 West Indiana Avenue
Perrysburg, Ohio 43551

Dear Mr. Eckel:

On June 6, 2008, a compliance inspection was conducted at the Perrysburg Wastewater Treatment Plant (WWTP). Mr. Gary Haydel was present and provided information on plant operations and maintenance. The inspection included a tour of the plant and completion of the enclosed checklist.

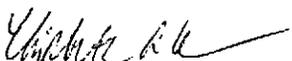
During the inspection, all major treatment units were in operation. The WWTP recently underwent a major renovation with the construction of a septage receiving station, primary clarifier, a sludge thickening tank, a sludge storage pad and a sludge pumping station. The city will be doing further upgrades in the near future with the construction of a new grit tank, mechanical screens, and ferrous chloride storage tanks. The WWTP is currently rated at 5.4 MGD. With the recent renovations, the WWTP has been able to treat flows up to 13 MGD.

The WWTP has a portable generator to help with power backup along with four portable generators for the collection system. By utilizing collections personnel, a preventative maintenance program has been put in place at the plant.

In the past year, the WWTP experienced violations of the NPDES permit effluent limits for phosphorus in the months of November and December, 2007. The City's collection system experienced a Sanitary Sewer Overflow in November, 2007.

A copy of our inspection report is enclosed. If you have any questions, please feel free to contact Patricia Tebbe at (419) 373-3016.

Sincerely,


Elizabeth Wick, P.E.
Unit Supervisor
Division of Surface Water

//lr

Enclosures

pc: Gary Haydel, Superintendent, City of Perrysburg WWTP
DSW\NWDO File [redacted]
DSW-CO

NPDES COMPLIANCE INSPECTION REPORT

Section A: National Data System Coding

Permit #	NPDES	Yr/Mo/Day	Inspection Type	Inspector	FacType
<u>2PD00002</u>	<u>OH0021008</u>	<u>08/06/06</u>	<u>C</u>	<u>S</u>	<u>1</u>

Section B: Facility Data

Name and Location of Facility Inspected	Entry Time	Permit Effective Date
Perrysburg WWTP 1 West Boundary Perrysburg, OH 43551	9:05 pm	April 1, 2006
	Exit Time	Permit Expiration Date
	11:05 pm	March 31, 2011

Name(s) and Title(s) of On-Site Representative(s)	Phone Number(s)
Gary Haydel, Superintendent	419-872-8040

Name, Address and Title of Responsible Official	Phone Number
Mayor & Council 201 West Indiana Ave Perrysburg, OH 43551	419-872-8023

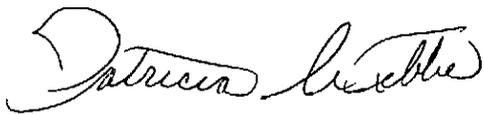
Section C: Areas Evaluated During Inspection

(S = Satisfactory, M = Marginal, U = Unsatisfactory, N = Not Evaluated)

<u>S</u> Permit	<u>S</u> Flow Measurement	<u>--</u> Pretreatment
<u>S</u> Records/Reports	<u>N</u> Laboratory	<u>--</u> Compliance Schedules
<u>S</u> Operations & Maintenance	<u>S</u> Effluent/Receiving Waters	<u>S</u> Self-Monitoring Program
<u>S</u> Facility Site Review	<u>S</u> Sludge Storage/Disposal	<u>---</u> Other
<u>N</u> Collection System		

Section D: Summary of Findings/Comments (Attach additional sheets if necessary)

Combined Sewer Community - schedule to separate sewers
WWTP will be beginning new construction



Patricia A. Tebbe, P.E.
Name(s) and Signature(s) of Inspector(s)

6/20/08
Date

Ohio EPA, Northwest
District Office



Elizabeth A. Wick, P.E.
Name and Signature of Reviewer

6/20/08
Date

Ohio EPA, Northwest
District Office

Sections E thru K: Complete on all inspections as appropriate. N/A - Not Applicable N/E - Not Evaluated

Section E: Permit Verification

	Yes	No	N/A	N/E
INSPECTION OBSERVATIONS VERIFY THE PERMIT				
(a) CORRECT NAME AND MAILING ADDRESS OF PERMITTEE	<u>x</u>	___	___	___
(b) CORRECT NAME AND LOCATION OF RECEIVING WATERS	<u>x</u>	___	___	___
(c) PRODUCT(S) AND PRODUCTION RATES CONFORM WITH PERMIT APPLICATION (INDUSTRIES)	___	___	<u>x</u>	___
(d) FLOWS AND LOADINGS CONFORM WITH NPDES PERMIT PERMIT APPLICATION/BRIEFING MEMO	<u>x</u>	___	___	___
(e) TREAT PROCESSES ARE AS DESCRIBED IN PERMIT APPLICATION/BRIEFING MEMO	<u>x</u>	___	___	___
(f) NEW TREATMENT PROCESS(ES) ADDED SINCE LAST INSPECTION	<u>x</u>	___	___	___
(g) NOTIFICATION GIVEN TO STATE OF NEW, DIFFERENT OR INCREASED DISCHARGES	<u>x</u>	___	___	___
(h) ALL DISCHARGES ARE PERMITTED	<u>x</u>	___	___	___
(i) NUMBER AND LOCATION OF DISCHARGE POINTS ARE AS DESCRIBED IN PERMIT	<u>x</u>	___	___	___

COMMENTS/STATUS:

Finished construction of new primary clarifier, sludge thickner, septage receiving station, sludge storage pad

Septage receiving station - receive septage only during operating hours but not generally accepting septage. Receiving approximately 3000 gallons per day from C & L. Staff had to make some modification to the receiving station.

Section F: Compliance Schedules/Violations

	Yes	No	N/A	N/E
(a) ANY SIGNIFICANT VIOLATIONS SINCE THE LAST INSPECTION	___	<u>x</u>	___	___
(b) PERMITTEE IS TAKING ACTIONS TO RESOLVE VIOLATIONS	<u>x</u>	___	___	___
(c) PERMITTEE HAS COMPLIANCE SCHEDULE	<u>x</u>	___	___	___
(d) COMPLIANCE SCHEDULE CONTAINED IN <u>NPDES permit</u>	<u>x</u>	___	___	___
(e) PERMITTEE IS MEETING COMPLIANCE SCHEDULE	<u>x</u>	___	___	___

COMMENTS/STATUS:

Section G: Operation and Maintenance

TREATMENT WORKS:

	Yes	No	N/A	N/E
TREATMENT FACILITY PROPERLY OPERATED AND MAINTAINED				
(a) STANDBY POWER AVAILABLE GENERATOR <u> </u> DUAL FEED <u>x</u>	<u>x</u>	<u> </u>	<u> </u>	<u> </u>
(b) ADEQUATE ALARM SYSTEM AVAILABLE FOR POWER OR EQUIPMENT FAILURES	<u>x</u>	<u> </u>	<u> </u>	<u> </u>
(c) ALL TREATMENT UNITS IN SERVICE OTHER THAN BACKUP UNITS	<u>x</u>	<u> </u>	<u> </u>	<u> </u>
(d) SUFFICIENT OPERATING STAFF PROVIDED # SHIFTS <u>1</u> DAYS/WEEK <u>5</u>	<u>x</u>	<u> </u>	<u> </u>	<u> </u>
(e) OPERATOR HOLDS UNEXPIRED LICENSE OF CLASS REQUIRED BY PERMIT CLASS: <u>III</u>	<u>x</u>	<u> </u>	<u> </u>	<u> </u>
(f) ROUTINE AND PREVENTIVE MAINTENANCE SCHEDULED/PERFORMED ON TIME	<u>x</u>	<u> </u>	<u> </u>	<u> </u>
(g) ANY MAJOR EQUIPMENT BREAKDOWN SINCE LAST INSPECTION	<u>x</u>	<u> </u>	<u> </u>	<u> </u>
(h) OPERATION AND MAINTENANCE MANUAL PROVIDED AND MAINTAINED	<u>x</u>	<u> </u>	<u> </u>	<u> </u>
(i) ANY PLANT BYPASSES SINCE LAST INSPECTION	<u> </u>	<u>x</u>	<u> </u>	<u> </u>
(j) REGULATORY AGENCY NOTIFIED OF BYPASSES <u> </u> ON MORS <u> </u> 800 NO.	<u> </u>	<u> </u>	<u>x</u>	<u> </u>
(k) ANY HYDRAULIC AND/OR ORGANIC OVERLOADS EXPERIENCED SINCE LAST INSPECTION	<u>x</u>	<u> </u>	<u> </u>	<u> </u>

COLLECTION SYSTEM:

	Yes	No	N/A	N/E
(a) PERCENT COMBINED SYSTEM <u> 50</u> %				
(b) ANY COLLECTION SYSTEM OVERFLOWS SINCE LAST INSPECTION (CSO <u>x</u> SSO <u>x</u>)	<u>x</u>	<u> </u>	<u> </u>	<u> </u>
(c) REGULATORY AGENCY NOTIFIED OF OVERFLOWS (SSOs)	<u>x</u>	<u> </u>	<u> </u>	<u> </u>
(d) CSO O AND M PLAN PROVIDED AND IMPLEMENTED	<u>x</u>	<u> </u>	<u> </u>	<u> </u>
(e) CSOs MONITORED AND REPORTED IN ACCORDANCE WITH PERMIT	<u>x</u>	<u> </u>	<u> </u>	<u> </u>
(f) PORTABLE PUMPS USED TO RELIEVE SYSTEM	<u> </u>	<u>x</u>	<u> </u>	<u> </u>
(g) LIFT STATION ALARM SYSTEMS PROVIDED AND MAINTAINED	<u>x</u>	<u> </u>	<u> </u>	<u> </u>
(h) ARE LIFT STATIONS EQUIPPED WITH PERMANENT STANDBY POWER OR EQUIVALENT	<u>x</u>	<u> </u>	<u> </u>	<u> </u>
(i) IS THERE AN INFLOW INFILTRATION PROBLEM (SEPARATE SEWER SYSTEM) OR WERE THERE ANY MAJOR REPAIRS TO COLLECTION SYSTEM SINCE LAST INSPECTION	<u>x</u>	<u> </u>	<u> </u>	<u> </u>
(j) ANY COMPLAINTS RECEIVED SINCE LAST INSPECTION OF BASEMENT FLOODING	<u>x</u>	<u> </u>	<u> </u>	<u> </u>
(k) ARE ANY PORTIONS OF THE SEWER SYSTEM AT OR NEAR CAPACITY	<u> </u>	<u>x</u>	<u> </u>	<u> </u>

COMMENTS/STATUS:

Treatment Works -

- d) 1/2 shift on Saturday and Sunday
- f) beginning to be able to do preventative maintenance using collection personnel
- k) hydraulic overloads during bad weather

Collection System -

- f) during storm events to prevent flooding basements (White Rd) - wwtp has taken up to 15 MGD before pumping
- g) all lift stations have telemetering or alarm lights
- h) on some but not all lift stations

Section H: Sludge Management

(a) SLUDGE MANAGEMENT PLAN (SMP) In permit				
SUBMITTED DATE _____ APPROVAL # _____ NOT SUBMITTED _____ N/A _____				
	Yes	No	N/A	N/E
(b) SLUDGE MANAGEMENT PLAN CURRENT	<u>x</u>	_____	_____	_____
(c) SLUDGE ADEQUATELY DISPOSED (METHOD: <u>land application</u>)	<u>x</u>	_____	_____	_____
(d) IF SLUDGE IS INCINERATED, WHERE IS ASH DISPOSED OF _____	_____	_____	_____	_____
(e) IS SLUDGE DISPOSAL CONTRACTED (NAME: <u>S & L Fertilizer</u>)	<u>x</u>	_____	_____	_____
(f) HAS AMOUNT OF SLUDGE GENERATED CHANGED SIGNIFICANTLY SINCE LAST INSPECTION	_____	<u>x</u>	_____	_____
(g) ADEQUATE SLUDGE STORAGE PROVIDED AT PLANT	<u>x</u>	_____	_____	_____
(h) LAND APPLICATION SITES MONITORED AND INSPECTED PER SMP	<u>x</u>	_____	_____	_____
(i) RECORDS KEPT IN ACCORDANCE WITH STATE AND FEDERAL LAW	<u>x</u>	_____	_____	_____
(j) ANY COMPLAINTS RECEIVED IN LAST YEAR REGARDING SLUDGE	<u>x</u>	_____	_____	_____
(k) IS SLUDGE ADEQUATELY PROCESSED (DIGESTION, DEWATERING, PATHOGEN CONTROL)	<u>x</u>	_____	_____	_____

COMMENTS/STATUS:

Section I: Self-Monitoring Program

Part 1. Flow measurement

	Yes	No	N/A	N/E
(a) PRIMARY FLOW MEASURING DEVICE PROPERLY OPERATED & MAINTAINED <u>x</u>	<u>x</u>	_____	_____	_____
TYPE OF DEVICE: ___ ULTRASONIC & PARSHALL FLUME ___ ULTRASONIC & WEIR				
___ WEIR ___ CALCULATED FROM INFLUENT <u>x</u> OTHER (Specify <u>radar</u>)				
(b) CALIBRATION FREQUENCY ADEQUATE (Date of last calibration _____)	<u>x</u>	_____	_____	_____
(c) SECONDARY INSTRUMENTS (totalizers, recorders, etc.) PROPERLY OPERATED AND MAINTAINED	<u>x</u>	_____	_____	_____
(d) FLOW MEASUREMENT EQUIPMENT ADEQUATE TO HANDLE EXPECTED RANGES OF FLOWS	<u>x</u>	_____	_____	_____
(e) ACTUAL FLOW DISCHARGED IS MEASURED	_____	<u>x</u>	_____	_____
(f) FLOW MEASURING EQUIPMENT INSPECTION				
FREQUENCY: <u>x</u> DAILY ___ WEEKLY ___ MONTHLY ___ OTHER				

COMMENTS/STATUS:

- b) calibrated twice/year - last 4/08
- c) calibrated at same time as flow meter
- e) measure influent - recycle and storm not measured

Part 2. Sampling

	Yes	No	N/A	N/E
(a) SAMPLING LOCATION(S) ARE AS SPECIFIED BY PERMIT	<u>x</u>	___	___	___
(b) PARAMETERS AND SAMPLING FREQUENCY AGREE WITH PERMIT	<u>x</u>	___	___	___
(c) PERMITTEE USES REQUIRED SAMPLING METHOD	<u>x</u>	___	___	___
(d) SAMPLE COLLECTION PROCEDURES ARE ADEQUATE	<u>x</u>	___	___	___
(i) SAMPLES REFRIGERATED DURING COMPOSITING	<u>x</u>	___	___	___
(ii) PROPER PRESERVATION TECHNIQUES USED	<u>x</u>	___	___	___
(iii) CONTAINERS AND SAMPLE HOLDING TIMES PRIOR TO ANALYSES CONFORM WITH 40 CFR 136.3	<u>x</u>	___	___	___
(e) MONITORING RECORDS (e.g., flow, pH, D.O., etc.) MAINTAINED FOR A MINIMUM OF THREE YEARS INCLUDING ALL ORIGINAL STRIP CHART RECORDINGS (e.g., continuous monitoring instrumentation, calibration and maintenance records)	<u>x</u>	___	___	___
(f) ADEQUATE RECORDS MAINTAINED OF SAMPLING DATE, TIME, EXACT LOCATION, ETC.	<u>x</u>	___	___	___

COMMENTS/STATUS:

Part 3. Laboratory

	Yes	No	N/A	N/E
GENERAL				
(a) EPA APPROVED ANALYTICAL TESTING PROCEDURES USED (40 CFR 136.3)	<u>x</u>	___	___	___
(b) IF ALTERNATE ANALYTICAL PROCEDURES ARE USED, PROPER APPROVAL HAS BEEN OBTAINED	___	___	<u>x</u>	___
(c) ANALYSES BEING PERFORMED MORE FREQUENTLY THAN REQUIRED BY PERMIT	___	<u>x</u>	___	___
(d) IF (c) IS YES, ARE RESULTS REPORTED IN PERMITTEE'S SELF-MONITORING REPORT	___	___	<u>x</u>	___
(e) COMMERCIAL LABORATORY USED	<u>x</u>	___	___	___
(1) PARAMETERS ANALYZED BY COMMERCIAL LAB				
Metals, oil & grease, phosphorus, sludge, NO2 and NO3 - Jones & Henry,				
Dioxin - Pace (Minnneapolis)				

(2) LAB NAME: _____

QUALITY CONTROL/QUALITY ASSURANCE

(f) QUALITY ASSURANCE MANUAL PROVIDED AND MAINTAINED	<u>x</u>	___	___	___
(g) SATISFACTORY CALIBRATION AND MAINTENANCE OF INSTRUMENTS AND EQUIPMENT	<u>x</u>	___	___	___
(h) ADEQUATE RECORDS MAINTAINED	<u>x</u>	___	___	___
(i) RESULTS OF LATEST USEPA QUALITY ASSURANCE PERFORMANCE SAMPLING PROGRAM DATE : <u>2006</u> <u>x</u> SATISFACTORY ___ MARGINAL ___ UNSATISFACTORY				

COMMENTS/STATUS:
DMR-QA 26

Section J: Effluent/Receiving Water Observations

OUTFALL NO.	OIL SHEEN	GREASE	TURBIDITY	VISIBLE FOAM	VISIBLE FLOAT SOLIDS	COLOR	OTHER
001	none	none	none	none	none	none	none

COMMENTS/STATUS:

No discharge from CSOs

Section K: Multimedia Observations

	Yes	No	N/A	N/E
(a) ARE THERE INDICATIONS OF SLOPPY HOUSEKEEPING OR POOR MAINTENANCE IN WORK AND STORAGE AREAS OR LABORATORIES	___	<u>x</u>	___	___
(b) DO YOU NOTICE STAINING OR DISCOLORATION OF SOILS, PAVEMENT, OR FLOORS	___	<u>x</u>	___	___
(c) DO YOU NOTICE DISTRESSED (UNHEALTHY, DISCOLORED, DEAD) VEGETATION	___	<u>x</u>	___	___
(d) DO YOU SEE UNIDENTIFIED DARK SMOKE OR DUST CLOUDS COMING FROM SOURCES OTHER THAN SMOKESTACKS	___	<u>x</u>	___	___
(e) DO YOU NOTICE ANY UNUSUAL ODORS OR STRONG CHEMICAL SMELLS	___	<u>x</u>	___	___
(f) DO YOU SEE ANY OPEN OR UNMARKED DRUMS, UNSECURED LIQUIDS, OR DAMAGED CONTAINMENT FACILITIES?	___	<u>x</u>	___	___

IF ANY OF THE ABOVE ARE OBSERVED, ASK THE FOLLOWING QUESTIONS:

- (1) WHAT IS THE CAUSE OF THE CONDITION?
- (2) IS THE OBSERVED CONDITION OR SOURCE A WASTE PRODUCT?
- (3) WHERE IS THE SUSPECTED CONTAMINANT NORMALLY DISPOSED?
- (4) IS THIS DISPOSAL PERMITTED?
- (5) HOW LONG HAS THE CONDITION EXISTED AND WHEN DID IT BEGIN?

COMMENTS/STATUS:

F. GUIDE - VISUAL OBSERVATION - UNIT PROCESS

RATING CODES: S = Satisfactory; U = Unsatisfactory; M = Marginal; IN = In Operation; OUT = Out of Operation

CONDITION OR APPEARANCE		RATING	COMMENTS
General	Grounds	S	
	Buildings	S	
	Potable Water Supply Protection	S	
	Safety Features	S	fence
	Bypasses	Out	
	Stormwater Overflows	Out	
	Alternate Power Source	S	portable generator available, checked monthly 4 portable generators for sewers
Preliminary	Maintenance of Collection Systems	S	sewer separation project to be completed by 2011
	Pump Station	In	11 units all alarmed
	Ventilation	In	
	Bar Screen	In	2 mechanical, 1 in; 1 manual bar screen not used
	Disposal of Screenings	S	landfill- Waste Management (Evergreen Landfill) test for landfill every 2 years
	Comminutor		
	Grit Chamber	In	aerated - continuous grit removal (new unit scheduled for construction)
	Disposal of Grit	S	landfill - Waste Management (Evergreen Landfill)
	Pre-Aeration Tank	In	1 unit (return sludge added after unit)
Primary	Settling Tanks	In	5 units - new circular unit in operation; old units scrapers not in, are used 6 hours per day
	Scum Removal	In	to digester
	Sludge Removal	In	waste to sludge thickener
	Effluent	S	
Sludge Disposal	Digesters	In	4 units; 2 secondary, 2 primary; primaries heated and recirculated; all covered
	Temperature and pH	S	98°
	Gas Production	S	flared off
	Heating Equipment	In	
	Sludge Pumps	In	2 units
	Storage Pads	In	2 units - recently emptied in May pull sludge off secondary to belt press, belt press run 4 days/week typical
	Disposal of Sludge	S	land applied by S & L Fertilizer, class B
	Belt Press	In	2 units, 1 in, alternate units; 15% solids; supernate to primary clarifiers
Other	Flow Meter and Recorder	In	radar
	Records	S	
	Lab Controls	S	
	Chemical Treatment	In	ferrous chloride added for phosphorous removal at head of aeration tanks
Secondary-Tertiary List items as	Aeration Tanks	In	6 units (2 sets of 3 tanks in series) fine bubble diffusers; good color and roll
	Final Clarifiers	In	4 units; good air and color,
	Blowers	In	4 units; 2 in, rotated
	RAS Pumps	In	8 units, 4 in; return to splitter box ahead of aeration
	Effluent Pumps	Out	4 units used when river levels are high
Disinfection	Effluent	S	flow rate at 10:30 am - 3.6 MGD
	Disinfection System	In	chlorination
	Effective Dosage	S	
	Contact Time	S	
	Contact Tank	In	
	Dechlorination	In	liquid sodium bisulfate
	Sampling Location	S	Inside sampler for all composite; outside grab for pH and cl