



State of Ohio Environmental Protection Agency

Northwest District Office

347 North Dunbridge Rd.
Bowling Green, OH 43402-9398

TELE: (419) 352-8461 FAX: (419) 352-8468
www.epa.ohio.gov

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

Re: Seneca County
Fostoria WWTP
NPDES Permit

March 18, 2010

Mayor & Council
City of Fostoria
213 South Main Street
Fostoria, Ohio 44830

Dear Mayor & Council:

On December 2, 2009, Mary Beth Cohen conducted a compliance inspection of the Fostoria Wastewater Treatment Plant (WWTP). Mr. Lon (Mickey) Shank, Superintendent, was present and provided information on plant operations.

All major treatment units were in service during the inspection. The following items were noted:

- It was indicated that all of the sewer lines have been cleaned, with the exception of the large (60" & 72") lines.
- The City is no longer contracting to have sludge hauled out. The sludge from the filter press is now collected directly in a dump truck, further reducing odors, and then when full is hauled to the landfill for disposal.
- It was indicated that algae growth on the final settling tank weirs remains problematic.
- Flow proportioned composite samples are not being provided as required. The new flow meters that were installed last year have the capability to provide the flow proportioned composite samples.
- The City continues to accept limited amounts of septage at the WWTP.
- The inverted siphon located just prior to the head works of the plant has been cleaned.
- The mercury variance request was received on June 19, 2009.

A review of your discharge monitoring reports has been conducted. A list of permit violations (03/01/2009 through 01/31/2010) is enclosed. It is noted that paragraph 28 of the Consent Decree includes flow related interim limits for TSS and CBOD. Included in paragraph 28.f. "Reporting" is the following:

Mayor & Council
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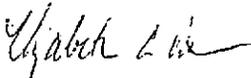
In its monthly operating reports, Fostoria must identify all data points that it excludes under Paragraph 28.d., and must certify that the conditions for exclusion are met. Fostoria will submit a hard copy of the monthly swimware data (monthly operating report), together with information that supports the conclusion that the conditions for exclusion are met, to Ohio EPA and U.S. EPA, no later than fifteen (15) days after the month of the occurrence.

The City is to apply the conditions of the interim limits to determine compliance with TSS and CBOD limits, and report as indicated. To date, the City has not provided this documentation, and consequently, the attached list of limit violations (and previous) do not reflect application of the interim limits. In recent conversations, these requirements have been reviewed with Mr. Dan Thornton, City Engineer's Office, and he is aware that the City is to provide this documentation.

The draft NPDES permit has recently been public noticed as part of the permit renewal process. It should be noted that in accordance with Chapter 3745-7-04 of the Ohio Administrative Code (OAC), the Fostoria WWTP classification changes from a Class III to a Class IV facility. As per OAC 3745-7-04(B)(5) the permittee has up to 12 months to meet the requirements for the new classification; to obtain the required Class IV licensed operator.

Our completed inspection report forms are enclosed for your review. If there are any questions, please call Mary Beth Cohen at 419-373-3014.

Yours truly,



Elizabeth A. Wick, P.E.
District Engineer/Unit Supervisor
Division of Surface Water

MBC/cs

Enclosures

pc: Lon "Mickey" Shank, Superintendent (with enclosures)
Stephen M. Jann, USEPA, Region V
DSW-NWDO-File

NPDES COMPLIANCE INSPECTION REPORT

Section A: National Data System Coding

Permit #	NPDES	Yr/Mo/Day	Inspection Type	Inspector	FacType
<u>2PD00031</u>	<u>OH0052744</u>	<u>2009/12/02</u>	<u>C</u>	<u>S</u>	<u>1</u>

Section B: Facility Data

Name and Location of Facility Inspected Fostoria Wastewater Treatment Plant 1301 Perrysburg Road Fostoria, Ohio 44830-1007	Entry Time 9:00 a.m.	Permit Effective Date August 1, 2004
	Exit Time 2:30 p.m.	Permit Expiration Date July 31, 2009

Name(s) and Title(s) of On-Site Representative(s)	Phone Number(s)
Lon M. Shank , Superintendent	419-435-3263

Name, Address and Title of Responsible Official	Phone Number
Mayor & Council 213 S. Main Street Fostoria, Ohio 44830	419-435-4132

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>N</u> Pretreatment
<u>S</u> Records/Reports	<u>N</u> Laboratory	<u>M</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)

- The facility still does not have the permit required flow proportioned composite sampling.
- Sludge is now being collected in dump truck(s) as it's being pressed. This method has further reduced odors. Sludge is then transported to the landfill for disposal.
- The entire sewer system has been cleaned with the exception of the larger (60" & 72") lines. The cleaning cycle is to continue.
- The inverted siphon located just prior to the head works of the plant has been cleaned.

Mary Beth Cohen 3/12/10
 Name(s) and Signature(s) of Inspector(s) Date, Ohio EPA, Northwest District Office

Elizabeth A. Wick 3/12/10
 Name and Signature of Reviewer 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:

- WWTP treats flow up to 12 MGD during rain events.
- Design flow is at 8.25 MGD. Lower flows are being noted at the plant, may be due to decreased industrial use.

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 & Consent Decree</u>	___	<u>X</u>	___	___
(e) PERMITTEE IS MEETING COMPLIANCE SCHEDULE	___	<u>X</u>	___	___

COMMENTS/STATUS:

- The NPDES permit Part I, C. A – “Compliance Schedule for Mercury Variance” required that the City submit a letter or mercury variance request no later than August 1, 2007. The mercury variance request was received on June 19, 2009.
- A compliance schedule is also included in the Federal Consent Decree (8/28/06).
- Recent limit violations include suspended solids, ammonia, pH and DO
- The City limits the amount of septage that received at the WWTP on a daily basis (20,000 gal/day).

Section G: Operation and Maintenance

TREATMENT WORKS:

	Yes	No	N/A	N/E
TREATMENT FACILITY PROPERLY OPERATED AND MAINTAINED				
(a) STANDBY POWER AVAILABLE GENERATOR <input checked="" type="checkbox"/> DUAL FEED <input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(b) ADEQUATE ALARM SYSTEM AVAILABLE FOR POWER OR EQUIPMENT FAILURES	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(c) ALL TREATMENT UNITS IN SERVICE OTHER THAN BACKUP UNITS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(d) SUFFICIENT OPERATING STAFF PROVIDED # SHIFTS <u>3</u> DAYS/WEEK <u>7</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(e) OPERATOR HOLDS UNEXPIRED LICENSE OF CLASS REQUIRED BY PERMIT CLASS: <u>III</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(f) ROUTINE AND PREVENTIVE MAINTENANCE SCHEDULED/PERFORMED ON TIME	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(g) ANY MAJOR EQUIPMENT BREAKDOWN SINCE LAST INSPECTION	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(h) OPERATION AND MAINTENANCE MANUAL PROVIDED AND MAINTAINED	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(i) ANY PLANT BYPASSES SINCE LAST INSPECTION	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(j) REGULATORY AGENCY NOTIFIED OF BYPASSES <input checked="" type="checkbox"/> ON MORS <input type="checkbox"/> 800 NO.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(k) ANY HYDRAULIC AND/OR ORGANIC OVERLOADS EXPERIENCED SINCE LAST INSPECTION	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

COLLECTION SYSTEM:

	Yes	No	N/A	N/E
(a) PERCENT COMBINED SYSTEM <u>65</u> %				
(b) ANY COLLECTION SYSTEM OVERFLOWS SINCE LAST INSPECTION (CSO <input checked="" type="checkbox"/> SSO <input type="checkbox"/>)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(c) REGULATORY AGENCY NOTIFIED OF OVERFLOWS (SSOs)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
(d) CSO O AND M PLAN PROVIDED AND IMPLEMENTED	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(e) CSOs MONITORED AND REPORTED IN ACCORDANCE WITH PERMIT	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(f) PORTABLE PUMPS USED TO RELIEVE SYSTEM	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(g) LIFT STATION ALARM SYSTEMS PROVIDED AND MAINTAINED	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(h) ARE LIFT STATIONS EQUIPPED WITH PERMANENT STANDBY POWER OR EQUIVALENT	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(i) IS THERE AN INFLOW INFILTRATION PROBLEM (SEPARATE SEWER SYSTEM) OR WERE THERE ANY MAJOR REPAIRS TO COLLECTION SYSTEM SINCE LAST INSPECTION	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(j) ANY COMPLAINTS RECEIVED SINCE LAST INSPECTION OF BASEMENT FLOODING	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(k) ARE ANY PORTIONS OF THE SEWER SYSTEM AT OR NEAR CAPACITY	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

COMMENTS/STATUS:

- The gear box on the north screw pump has been rebuilt.
- An apparent dumping of acid (undetermined source) negatively impacted the plant growth. It also caused the UV bulbs to be coated with what appeared to be a burn on orange substance.
- The vector truck heads (jets) have been replaced, which has greatly improved the cleaning efficiency of the sewer lines.
- The entire sewer system has been cleaned with the exception of the larger (60" & 72") lines.
- The inverted siphon located just prior to the head works of the plant has been cleaned.

Section H: Sludge Management

(a) SLUDGE MANAGEMENT PLAN (SMP)				
SUBMITTED DATE _____ APPROVAL # <u>X</u> NOT SUBMITTED _____ N/A _____				
	Yes	No	N/A	N/E
(b) SLUDGE MANAGEMENT PLAN CURRENT	<u>X</u>	_____	_____	_____
(c) SLUDGE ADEQUATELY DISPOSED (METHOD: <u>Landfill</u>)	<u>X</u>	_____	_____	_____
(d) IF SLUDGE IS INCINERATED, WHERE IS ASH DISPOSED OF <u>(n/a)</u>	_____	_____	_____	_____
(e) IS SLUDGE DISPOSAL CONTRACTED (NAME: _____)	_____	<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:

- The digester has been cleaned. The lack of adequate sludge storage capacity is still an issue.
- The City is no longer contracting to have sludge hauled out. The sludge from the filter press is directed to collect in a dump truck(s), and then when full is hauled to the landfill for disposal. A second dump truck was to be purchased.

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>	_____	_____	_____
TYPE OF DEVICE: _____ ULTRASONIC & PARSHALL FLUME <u>√</u> ULTRASONIC & WEIR _____ WEIR _____ CALCULATED FROM INFLUENT _____ OTHER (Magnetic Flow Meters)				
(b) CALIBRATION FREQUENCY ADEQUATE (Date of last calibration <u>every 6 mo</u>)	<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>can measure up to 15 MGD</u>)	<u>X</u>	_____	_____	_____
(e) ACTUAL FLOW DISCHARGED IS MEASURED	<u>X</u>	_____	_____	_____
(f) FLOW MEASURING EQUIPMENT INSPECTION				
FREQUENCY: <u>√</u> DAILY _____ WEEKLY _____ MONTHLY _____ OTHER				

COMMENTS/STATUS:

- The facility still does not have the permit required flow proportioned composite sampling.

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:

The permit required flow proportioned composite sampling is still needed.

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				
<u>Alloway : All metals, oil & grease, nitrate, TKN, low level mercury and bioassy This lab is also used as a backup lab when lab tech is not available at WWTP.</u>				

(2) LAB NAME: Alloway

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>2009</u> (DMQRA #29) <u>X</u> SATISFACTORY ___ MARGINAL ___ UNSATISFACTORY				

COMMENTS/STATUS:

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	Clear	

COMMENTS/STATUS:

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 DUSTCLOUDS 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

Form Approved

OMB No. 158-R0035

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	
	Bypasses	-	
	Storm water Overflows	Out	
	Alternate Power Source	S	Generator
Preliminary	Maintenance of Collection Systems	S	Class II Collection / sewerage system (OAC 3745-7-04)
	Pump Station	In	
	Ventilation	S	
	Bar Screen	In	Automatic bar screen with manual back up
	Disposal of Screenings	S	Landfill
	Comminutor	-	
	Grit Chamber	In	Manual or automatic (run manually while accepting POTW sludge)
	Degritter	In	
	Disposal of Grit	S	Landfill
	Equalization Lagoon	Out	Lined E.Q. basin - empty at time of inspection
Primary	Settling Tanks	In	Three operating - each taken down and cleaned yearly
	Scum Removal	In	
	Sludge Removal	In	
	Effluent	S	
	Screw Pumps	In	One of two operating (rotated weekly)
Sludge Disposal	Digesters	In	One aerated digester-cleaned in 2009/ some issues with the liner were observed
	Temperature and pH	-	
	Gas Production	-	
	Heating Equipment	-	
	Sludge Pumps	In	Two sludge pumps / one operating
	Sludge Storage	In	No liquid storage available. Building provided for storage after belt press.
	Disposal of Sludge	S	Landfill (contractor is Midwest Compost)
	Belt press with Polymer addition	Out	Not in use at time of inspection - Typically run 2 days per week Sludge is now being collected directly in the dump truck used to haul to landfill
Other	Flow Meter and Recorder	In	New flow meter (permit requires flow proportioned samples)
	Records	S	
	Lab Controls	S	
	Chemical Treatment	In	Alum added to return sludge wet well for phosphorus control Alum pump recently replaced
Secondary Tertiary	Trickling Filters (arms removed)	In	Two - both in use as roughing filters (not able to bypass units)
	Aeration Tanks	In	Four tanks - all in use
	Final Settling Tanks	In	Six shallow tanks - all in use. Spray on liner (pink) added 4/08 for the control of algae. Still having problems w/ algae growth on weirs.
Disinfection	Effluent	S	Appeared clear at discharge. (Slight foam- quickly dissipated)
	Disinfection System	Out	Ultraviolet disinfection - out for season at time of inspection
	Effective Dosage	-	
	Contact Time	-	
	Contact Tank	-	

Fostoria WWTP 2PD00031

Final Effluent Limit Violations (outfall 001) 03/2009 thru 01/2010

Reporting Period	Reporting Code	Parameter	Limit Type	Limit	Reported Value	Violation Date
March 2009	00530	Total Suspended Solids	30D Conc	12	23.5833	3/1/2009
March 2009	00530	Total Suspended Solids	7D Conc	18	21.6666	3/1/2009
March 2009	00530	Total Suspended Solids	30D Qty	375	701.858	3/1/2009
March 2009	00530	Total Suspended Solids	7D Conc	18	42.6666	3/8/2009
March 2009	00530	Total Suspended Solids	7D Qty	563	1736.93	3/8/2009
April 2009	00530	Total Suspended Solids	30D Conc	12	27.5833	4/1/2009
April 2009	00530	Total Suspended Solids	7D Conc	18	37.	4/1/2009
April 2009	00530	Total Suspended Solids	30D Qty	375	755.842	4/1/2009
April 2009	00530	Total Suspended Solids	7D Qty	563	1006.75	4/1/2009
April 2009	00530	Total Suspended Solids	7D Conc	18	27.	4/8/2009
April 2009	00530	Total Suspended Solids	7D Qty	563	723.829	4/8/2009
April 2009	00530	Total Suspended Solids	7D Conc	18	23.	4/15/2009
April 2009	00530	Total Suspended Solids	7D Qty	563	757.588	4/15/2009
April 2009	00530	Total Suspended Solids	7D Conc	18	20.	4/22/2009
May 2009	00530	Total Suspended Solids	30D Conc	12	19.25	5/1/2009
May 2009	00530	Total Suspended Solids	7D Conc	18	26.3333	5/1/2009
May 2009	00610	Nitrogen, Ammonia (NH3)	30D Conc	2.8	3.185	5/1/2009
May 2009	00530	Total Suspended Solids	7D Conc	18	18.6666	5/8/2009
June 2009	00530	Total Suspended Solids	7D Conc	18	19.	6/1/2009
June 2009	00610	Nitrogen, Ammonia (NH3)	30D Conc	1.5	4.07583	6/1/2009
June 2009	00610	Nitrogen, Ammonia (NH3)	30D Qty	46.9	65.1210	6/1/2009
June 2009	00610	Nitrogen, Ammonia (NH3)	7D Conc	2.3	6.71333	6/8/2009
June 2009	00610	Nitrogen, Ammonia (NH3)	7D Qty	71.9	107.230	6/8/2009
June 2009	00610	Nitrogen, Ammonia (NH3)	7D Conc	2.3	4.87667	6/15/2009
June 2009	00300	Dissolved Oxygen	1D Conc	7.0	6.7	6/19/2009
June 2009	00610	Nitrogen, Ammonia (NH3)	7D Conc	2.3	2.94	6/22/2009
July 2009	00610	Nitrogen, Ammonia (NH3)	30D Conc	1.5	2.505	7/1/2009
July 2009	00610	Nitrogen, Ammonia (NH3)	7D Conc	2.3	3.52	7/8/2009
July 2009	00610	Nitrogen, Ammonia (NH3)	7D Conc	2.3	3.31667	7/22/2009
July 2009	61942	pH, Minimum	1D Conc	6.5	6.3	7/29/2009
September 2009	00610	Nitrogen, Ammonia (NH3)	7D Conc	2.3	2.8	9/22/2009
September 2009	61942	pH, Minimum	1D Conc	6.5	6.2	9/27/2009
October 2009	00610	Nitrogen, Ammonia (NH3)	30D Conc	2.8	3.96	10/1/2009
October 2009	61941	pH, Maximum	1D Conc	9.0	9.6	10/6/2009
October 2009	00610	Nitrogen, Ammonia (NH3)	7D Conc	4.2	8.78	10/8/2009
October 2009	00610	Nitrogen, Ammonia (NH3)	7D Qty	131.4	156.467	10/8/2009
December 2009	00530	Total Suspended Solids	30D Conc	12	14.1666	12/1/2009
December 2009	00530	Total Suspended Solids	7D Conc	18	18.3333	12/8/2009
January 2010	00530	Total Suspended Solids	30D Conc	12	17.9166	1/1/2010
January 2010	00665	Phosphorus, Total (P)	30D Conc	1.0	1.015	1/1/2010
January 2010	00530	Total Suspended Solids	7D Conc	18	23.6666	1/15/2010

Final Effluent Frequency Violations (outfall 001) 03/2009 thru 01/2010

Reporting Period	Reporting Code	Parameter	Sample Frequency	Expected	Reported	Violation Date
April 2009	00530	Total Suspended Solids	3/Week	3	2	04/08/2009
April 2009	00610	Nitrogen, Ammonia (NH3)	3/Week	3	2	04/08/2009
April 2009	80082	CBOD 5 day	3/Week	3	2	04/08/2009
April 2009	00530	Total Suspended Solids	3/Week	3	2	04/08/2009
April 2009	80082	CBOD 5 day	3/Week	3	2	04/08/2009