



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

Re: Lucas County
City of Toledo
NPDES Permit

May 7, 2013

Mr. Alan Ruffell
Plant Manager
Division of Water Reclamation
Bay View Park
Toledo, Ohio 43611-3097

Dear Mr. Ruffell:

On April 22, 2013, Ohio EPA representative Naajy Abdullah conducted a compliance evaluation inspection of the City of Toledo Bay View Water Reclamation Plant. Mr. Chris McGibbeny provided information about plant operations and maintenance.

During the inspection, all major components of the plant were in operation. The final effluent appeared clear. Construction of the replacement grit handling facilities was underway and was indicated to be progressing according to approved plans.

The wet weather handling facility was not in operation at the time of the plant tour.

Our completed inspection checklist is enclosed for your review. If you have any questions, please contact Naajy Abdullah at naajy.abdullah@epa.ohio.gov or (419) 373-3017.

Yours truly,

Elizabeth A. Wick, P.E.
Environmental Engineer/Section Manager
Division of Surface Water

NSA/jim
Enclosures
pc: Chris McGibbeny, City of Toledo
ec: Tracking

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:

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 - Part I.C</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> X </u> DUAL FEED <u> X </u>	<u> X </u>	_____	_____	
(b) ADEQUATE ALARM SYSTEM AVAILABLE FOR POWER OR EQUIPMENT FAILURES	<u> X </u>	_____	_____	
(c) ALL TREATMENT UNITS IN SERVICE OTHER THAN BACKUP UNITS	<u> X </u>	_____	_____	
(d) SUFFICIENT OPERATING STAFF PROVIDED # SHIFTS <u> 3 </u> DAYS/WEEK <u> 7 </u>	<u> X </u>	_____	_____	
(e) OPERATOR HOLDS UNEXPIRED LICENSE OF CLASS REQUIRED BY PERMIT CLASS: <u> IV </u>	<u> X </u>	_____	_____	
(f) ROUTINE AND PREVENTIVE MAINTENANCE SCHEDULED/PERFORMED ON TIME	<u> X </u>	_____	_____	
(g) ANY MAJOR EQUIPMENT BREAKDOWN SINCE LAST INSPECTION	_____	<u> X </u>	_____	
(h) OPERATION AND MAINTENANCE MANUAL PROVIDED AND MAINTAINED	<u> X </u>	_____	_____	
(i) ANY PLANT BYPASSES SINCE LAST INSPECTION	_____	<u> X </u>	_____	
(j) REGULATORY AGENCY NOTIFIED OF BYPASSES <u> </u> ON MORS <u> </u> 800 NO.	_____	_____	<u> X </u>	
(k) ANY HYDRAULIC AND/OR ORGANIC OVERLOADS EXPERIENCED SINCE LAST INSPECTION	<u> X </u>	_____	_____	

COLLECTION SYSTEM:

	Yes	No	N/A	N/E
(a) PERCENT COMBINED SYSTEM <u> 35% </u>				
(b) ANY COLLECTION SYSTEM OVERFLOWS SINCE LAST INSPECTION (CSO <u> X </u> SSO <u> </u>)	<u> X </u>	_____	_____	
(c) REGULATORY AGENCY NOTIFIED OF OVERFLOWS (SSOs)	<u> X </u>	_____	_____	
(d) CSO O AND M PLAN PROVIDED AND IMPLEMENTED	<u> X </u>	_____	_____	
(e) CSOs MONITORED AND REPORTED IN ACCORDANCE WITH PERMIT	<u> X </u>	_____	_____	
(f) PORTABLE PUMPS USED TO RELIEVE SYSTEM	<u> X </u>	_____	_____	
(g) LIFT STATION ALARM SYSTEMS PROVIDED AND MAINTAINED	<u> X </u>	_____	_____	
(h) ARE LIFT STATIONS EQUIPPED WITH PERMANENT STANDBY POWER OR EQUIVALENT	<u> X </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>	_____	_____	
(j) ANY COMPLAINTS RECEIVED SINCE LAST INSPECTION OF BASEMENT FLOODING	<u> X </u>	_____	_____	
(k) ARE ANY PORTIONS OF THE SEWER SYSTEM AT OR NEAR CAPACITY	<u> X </u>	_____	_____	

COMMENTS/STATUS:

Section H: Sludge Management

(a) SLUDGE MANAGEMENT PLAN (SMP)
SUBMITTED DATE _____ APPROVAL # _____ NOT SUBMITTED X N/A

	Yes	No	N/A	N/E
(b) SLUDGE MANAGEMENT PLAN CURRENT	<u>X</u>	_____	_____	_____
(c) SLUDGE ADEQUATELY DISPOSED (METHOD: Land application/ landfill)	<u>X</u>	_____	_____	_____
(d) IF SLUDGE IS INCINERATED, WHERE IS ASH DISPOSED OF _____	_____	_____	_____	_____
(e) IS SLUDGE DISPOSAL CONTRACTED (NAME: S&L Fertilizer_)	<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>	_____	_____	_____
TYPE OF DEVICE: <u>X</u> PARSHALL FLUME <u>X</u> ULTRASONIC & WEIR _____ WEIR _____ CALCULATED FROM INFLUENT _____ OTHER (Specify)	_____	_____	<u>X</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:

* 001 outfall meter out for repair.

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

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	Out	
	Stormwater Overflows	Out	
	Alternate Power Source	S	Backup generators, Co-gen
Preliminary	Maintenance of Collection Systems	-	Not evaluated
	Pump Station	In	5 pumps
	Ventilation	S	
	Bar Screen	In	3
	Disposal of Screenings	S	Solid waste (landfill)
	Comminutor	-	
	Grit Chamber	In	4 tanks
	Disposal of Grit	S	Landfill
	Skimming Tanks	In	4
Primary	Settling Tanks	In	
	Scum Removal	In	
	Sludge Removal	In	
	Effluent	S	
Sludge Disposal	Digesters - Anaerobic	In	
	Temperature and pH	S	
	Gas Production	S	
	Heating Equipment	In	
	Sludge Pumps	In	5
	Drying Beds	In	1 for storage
	Sludge Thickeners	In	2
	Disposal of Sludge	In	Land application, Land use, Landfill
	DAF	In	
Other	Flow Meter and Recorder	In	
	Records	S	
	Lab Controls	-	Not evaluated
	Chemical Treatment	In	Ferrous Salt, Polymer
Secondary-Tertiary List items as required	Aeration	In	9
	Secondary Settling	In	12
	Blower	In	
Disinfection	Effluent	S	
	Disinfection System	In	For the season
	Effective Dosage		
	Contact Time		
	Contact Tank		
	Dechlorination	In	