



**Environmental
Protection Agency**

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

Re: Ottawa County
City of Port Clinton
NPDES Permit

May 23, 2012

Mr. Tracy Colston
Safety-Service Director
City of Port Clinton
1002 East Perry Street
Port Clinton, Ohio 43452

Dear Mr. Colston:

On May 10, 2012, Mr. Rick Zuzik conducted a compliance inspection of the wastewater treatment facilities serving the City of Port Clinton. Mr. Ernie Isaac, Superintendent, was present and provided all information regarding plant operations. At the time of our visit, all major treatment components were in operation, and a clear final effluent was observed being discharged. Our comments and recommendations are as follows:

- 1) The National Pollutant Discharge Elimination System (NPDES) permit was renewed last year, effective August 1, and will remain effective for another five year period. General Mercury variance limits were incorporated into the renewal, which requires the implementation of a Pollutant Minimization Plan (PMP). Due to the timing of the permit renewal, the PMP is in the early stages of implementation, which was reflected in your initial summary report. Plans are to conduct the first round of sampling at five key areas of the collection system, send out letters to potential mercury sources, begin disseminating public information, and create a controlled hazardous waste collection point.
- 2) Monthly CSO and NPDES discharge monitoring reports are being received in a timely manner and indicated six combined sewer overflow events during 2011, and two reported thus far in 2012. Two minor chlorine residual permit limit violations occurred when the dechlorination chemical tank inadvertently ran out due to an oversight. It was quickly addressed. One low level mercury monthly average violation also occurred.
- 3) The Second and Third Street area sewer separation projects were completed last year, and the Sixth Street improvement project is scheduled for this year. Collection system improvements at Camp Perry and Red Horse have reduced infiltration/inflow from that area. At least four package plants in the Lake Front Marina area have been abandoned and tapped into the Lakeshore Blvd force main, and we will continue working with commercial entities to connect to the line.

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- 4) Lab personnel received all "acceptable" results in the latest U.S. EPA laboratory quality assurance sampling program, DMRQA # 31, dated July 2011. This is the highest rating available. Alloway Labs completed its review of all lab procedures utilizing its Beacon program. All standard operating procedures (SOP's) were updated as well as some lab equipment.
- 5) Mr. Isaac stated that one of his operators will be retiring soon and indicated the need to replace him in a timely manner in order to perform required maintenance in a safe manner. You stated that steps have already been initiated for a replacement operator.

Our inspection report is enclosed. If there are any errors, or you have any questions, please call Rick Zuzik at (419) 373-3020 or email at rick.zuzik@epa.state.oh.us.

Yours truly,



Elizabeth A Wick, PE
Environmental Engineer/ Section Manager
Division of Surface Water

RAZ/jlm

Enclosures

pc: Ernie Isaac, Superintendent

ec: Inspection Tracking



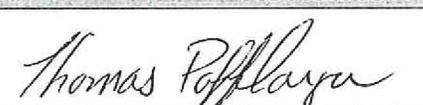
State of Ohio Environmental Protection Agency
Northwest District Office

NPDES Compliance Inspection Report

Section A: National Data System Coding					
Permit #	NPDES#	Month/Day/Year	Inspection Type	Inspector	Facility Type
2PD000014	OH0005287	5/10/2012	C	S	1

Section B: Facility Data		
Name and Location of Facility Inspected	Entry Time	Permit Effective Date
Port Clinton WWTP 100 N. Jackson St. Port Clinton, OH 43452	9:30 am	8/1/2011
	Exit Time	Permit Expiration Date
	11:00 pm	7/31/2016
Name(s) and Title(s) of On-Site Representatives	Phone Number(s)	
Ernie Isaac, Superintendent	(419)734-3221	
Name, Address and Title of Responsible Official	Phone Number	
Tracy Colston, Safety-Service Director	(419) 732-2206 X8	

Section C: Areas Evaluated During Inspection					
(S = Satisfactory, M = Marginal, U = Unsatisfactory, N = Not Evaluated)					
S	Permit	S	Flow Measurement	N	Pretreatment
S	Records/Reports	S	Laboratory	S	Compliance Schedule
S	Operations & Maintenance	S	Effluent/Receiving Waters	S	Self-Monitoring Program
S	Facility Site Review	S	Sludge Storage/Disposal	S	Other
M	Collection System				

Section D: Summary of Findings (Attach additional sheets if necessary)			
Inspector		Reviewer	
	5-23-12		5/15/12
Richard A. Zuzik, MSE Division of Surface Water Northwest District Office	Date	Thomas Poffenbarger, P.E. Water Quality Engineer II / Unit Supervisor Division of Surface Water Northwest District Office	Date

Permit # : **Error! Reference source not found.**
NPDES #: OH0005287

Sections E thru K: Complete on all inspections as appropriate
Y – Yes, N – No, N/A – Not Applicable, N/E – Not Evaluated

Section E: Permit Verification

Inspection observations verify the permit

- (a) Correct name and mailing address of permittee Y
- (b) Correct name and location of receiving waters..... Y
- (c) Product(s) and production rates conform with permit application (Industries)..... N/A
- (d) Flows and loadings conform with NPDES permit..... Y
- (e) Treatment processes are as described in permit application... Y
- (f) New treatment process(es) added since last inspection..... Y
- (g) Notification given to State of new, different or increased discharges..... N/A
- (h) All discharges are permitted..... Y
- (i) Number and location of discharge points are as described in permit..... Y

Comments/Status:

Permit renewed effective August 1, 2011.

Section F: Compliance Schedules/Violations

- (a) Any significant violations since the last inspection..... N
- (b) Permittee is taking actions to resolve violations..... N/A
- (c) Permittee has a compliance schedule..... N
- (d) Compliance schedule contained in
- (e) Permittee is meeting compliance schedule..... N/A

Comments/Status:

Section G: Operation & Maintenance

Treatment Works:

Treatment facility properly operated and maintained

- (a) Standby power available.....generator or dual feed Y
- (b) Adequate alarm system available for power or equipment failures.. Y
- (c) All treatment units in service other than backup units..... Y
- (d) Wastewater Treatment Works classification (OAC 3745-7)..... III
- (e) Operator of Record holds unexpired license of class required by permit..... Y
 Class: III
- (f) Copy of certificate of Operator of Record displayed on-site..... Y
- (g) Minimum operator staffing requirements fulfilled (OAC 3745-7)... Y
- (h) Routine and preventative maintenance scheduled/performed... Y
- (i) Any major equipment breakdown since last inspection..... Y
- (j) Operation and maintenance manual provided and maintained..... Y
- (k) Any plant bypasses since last inspection..... N/A
- (l) Regulatory agency notified of bypasses..... N/A
 On MORs and/or Spill Hotline (1-800-282-9378)
- (m) Any hydraulic and/or organic overloads since last inspection..... N

Record Keeping:

- (a) Log book provided..... Y
- (b) Format of log book (i.e. computer log, hard bound book)

Hard bound Logbook

- (c) Log book(s) kept onsite (in an area protected from weather)..... Y
- (d) Log book contains the following:
 - I. Identification of treatment works..... Y
 - II. Date/times of arrival/departure for Operator of Record and any other operator required by OAC 3745-7..... Y
 - III. Daily record of operation and maintenance activities (including preventative maintenance, repairs and request for repairs)..... Y
 - IV. Laboratory results (unless documented on bench sheets)... Y
 - V. Identification of person making log entries..... Y
- (d) Has the operator of record submitted written notification to the permittee, Ohio EPA and (if applicable) any local environmental agencies when a collection system overflow, treatment plant bypass or effluent limit violation has occurred..... Y

Section G: Operation & Maintenance (con't)

Collection System:

- (a) Percent combined system: 50%
- (b) Any collection system overflows since last inspection..... Y
(CSO X and/or SSO)
- (c) Regulatory agency notified of overflows (CSOs)..... Y
- (d) CSO O&M plan provided and implemented..... Y
- (e) CSOs monitored and reported in accordance with permit..... Y
- (f) Portable pumps used to relieve system..... N
- (g) Lift station alarms provided and maintained..... Y
- (h) Are lift stations equipped with permanent standby power
or equivalent.....(Not all)..... Y
- (i) Is there an inflow/infiltration problem (separate sewer system),
or were there any major repairs to collection system since
last inspection..... Y
- (j) Any complaints received since last inspection of basement flooding N
- (k) Are any portions of the sewer system at or near capacity..... N

Comments/Status:

6 CSO events in 2011, and 2 thus far in 2012
3rd St. and 2nd St. separation projects completed in 2011
Adams St. CSO (003)- Telemetry to be installed to monitor flow and duration

Section H: Sludge Management

- (a) Sludge management plan (SMP)
Submitted date: Approval #: Not submitted N/A
- (b) Sludge management plan current..... Y
(c) Sludge adequately disposed..... Y
(Method:Landfill)
(d) If sludge is incinerated, where is ash disposed of
(e) Is sludge disposal contracted..... Y
(Name: Allied Waste)
(f) Has amount of sludge generated changed significantly since
last inspection..... N
(g) Adequate sludge storage provided at plant..... Y
(h) Land application sites monitored and inspected per SMP..... N/A
(i) Records kept in accordance with State and Federal law..... Y
(j) Any complaints received in last year regarding sludge..... N
(k) Is sludge adequately processed (digestion, pathogen control)..... N/A

Comments/Status:

All sludge disposed of in landfill

Section I: Self-Monitoring Program

Flow Measurement:

- (a) Primary flow measuring device operated and maintained..... Y
Type of device: Ultrasonic & Parshall flume Ultrasonic & Weir Weir
Calculated from influent Other (Specify:)
- (b) Calibration frequency adequate Y
(Date of last calibration: 2/12)
(c) Secondary instruments operated and maintained..... Y
(d) Flow measurement equipment adequate to handle full range
of flows..... Y
(e) Actual flow discharged is measured..... Y
(f) Flow measuring equipment inspection frequency
Daily Weekly monthly other

Comments/Status:

Permit # : Error! Reference source not found.
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Section I: Self-Monitoring Program (con't)

Sampling:

- (a) Sampling location(s) are as specified by permit..... Y
- (b) Parameters and sampling frequency agree with permit..... Y
- (c) Permittee uses required sampling method..... Y
- (d) Sample collection procedures are adequate..... Y
 - (i) Samples refrigerated during compositing..... Y
 - (ii) Proper preservation techniques used..... Y
 - (iii) Containers and sample holding times prior to analysis conform with 40 CFR 136.3..... Y
- (e) Monitoring records (i.e., flow, pH, DO) maintained for a minimum of three years including all original strip chart recordings (i.e, continuous monitoring instrumentation, calibration and maintenance records)..... Y
- (f) Adequate records maintained of sampling date, time, location, etc.. Y

Laboratory:

General

- (a) EPA approved analytical testing procedures used (40 CFR 136.3).. Y
 - (b) If alternate analytical procedures are used, proper approval has been obtained..... Y
 - (c) Analyses being performed more frequently than required by permit. Y
 - (d) If (c) is yes, are results in permittee's self-monitoring report..... Y
 - (e) Commercial laboratory used..... Y
- Parameters analyzed by commercial lab: Metals, Mercury

Lab name: Alloway

Quality Control/Quality Assurance

- (f) Quality assurance manual provided and maintained..... Y
- (g) Satisfactory calibration and maintenance of instruments/equipment. Y
- (h) Adequate records maintained..... Y
- (i) Results of latest USEPA quality assurance performance sampling program: X Satisfactory Marginal Unsatisfactory

Date: 3/11, #31,

Permit # : Error! Reference source not found.
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Comments/Status:

Alloway updated all laboratory testing SOP's

Section J: Effluent/Receiving Water Observations

Outfall Number	Oil sheen	Grease	Turbidity	Visible Foam	Visible Floating Solids	Color	Other
001	None	None	None	None	None	None	

Comments/Status:

Section K: Multimedia Observations

- (a) Are there indications of sloppy housekeeping or poor maintenance in work and storage areas or laboratories..... N
- (b) Do you notice staining or discoloration of soils, pavement or floors.. N
- (c) Do you notice distressed (unhealthy, discolored, dead) vegetation.. N
- (d) Do you see unidentified dark smoke or dust clouds coming from sources other than smokestacks..... N
- (e) Do you notice any unusual odors or strong chemical smells..... N
- (f) Do you see any open or unmarked drums, unsecured liquids, or damaged containment facilities..... N

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	-	
	Stormwater Overflows	Out	6 events in 2011
	Alternate Power Source	S	Diesel back-up
Preliminary	Maintenance of Collection Systems	S	2 nd and 3 rd St. projects completed
	Pump Station	In	16 total
	Ventilation	S	
	Bar Screen	In	Two, auto fine screen
	Disposal of Screenings	S	Landfill
	Comminutor	-	
	Grit Chamber	In	Dewatering screw pump, 2 grit classifiers
	Disposal of Grit	S	Landfill
Primary	Settling Tanks	-	
	Scum Removal	-	
	Sludge Removal	-	
	Effluent	S	
	Actiflo	In	Two, units alternate for primary treatment. Both in storm mode
Sludge Disposal	Aerobic Sludge Holding	In	
	Temperature and pH		
	Gas Production		
	Heating Equipment		
	Sludge Pumps	In	Two Primary, Two belt press feed
	Drying Beds		
	Belt Filter Press	In	
	Disposal of Sludge	S	Landfill
Other	Flow Meter and Recorder	In	Flow leveling rack installed in outlet and new internal flow meter
	Records	S	
	Lab Controls	S	
	Chemical Treatment	In	Ferrous Chloride
Secondary-Tertiary <small>List items as</small>	Aeration/ Clarifier	In	Three round tanks, reddish brown mixed liquor
Disinfection	Effluent	S	Very Clear
	Disinfection System	In	Cl ₂
	Effective Dosage	S	
	Contact Time	S	
	Contact Tank	In	
	Dechlorination	In	Sodium Bisulfite