



Environmental
Protection Agency

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

Re: Ottawa County
City of Port Clinton
NPDES Permit

June 22, 2011

The Honorable Debbie Hymore-Tester
Mayor of the City of Port Clinton
1002 East Perry Street
Port Clinton, Ohio 43452

Dear Mayor Hymore-Tester:

On June 14, 2011, a compliance inspection was made of the wastewater treatment facilities serving the City of Port Clinton. Mr. Ernie Isaac, Superintendent, and Tracy Colston, Service Director, were present. Mr. Tim Fulks, of our Central Office conducted a combined sewer overflow inspection of the collection system and will be issuing a report under separate cover. At the time of my visit a clear final effluent was observed being discharged. Our comments and recommendations are as follows:

- 1) The draft NPDES permit renewal was issued and we received a comment letter from Mr. Isaac. We reviewed the comments and believe all outstanding issues have been addressed. A formal response letter will soon be issued, with the final renewed permit to follow. The permit will remain effective for another five-year period.

A general mercury variance has been granted and mercury variance limits as well as requirements to implement a Pollutant Minimization Plan (PMP) were incorporated into the renewal. Please refer to Part II, Item U for scheduled activities to identify and either reduce or eliminate excess sources of mercury. An annual PMP report with a summary of actions is required on or prior to March of each subsequent year.

- 2) Monthly CSO and NPDES discharge monitoring reports are being received in a timely manner and indicated 4 combined sewer overflow events during 2010, and 3 reported thus far in 2011. The periodic CBOD effluent violations noted in our last inspection have been resolved, and no other permit limit violations have been reported since last July.
- 3) Another major collection system improvement project began in April. The Second Street area sewer separation project encompasses five blocks and is expected to be completed in September. The Sixth Street separation project is scheduled for 2012.
- 4) Lab personnel received all "acceptable" results in the latest USEPA laboratory quality assurance sampling program, DMRQA # 30, dated August 2010. This is the highest rating available. Alloway Labs has been contracted to review all lab procedures utilizing its Beacon program.

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We appreciate the city's commitment to improving its wastewater treatment and collection system, as ensuring a quality final effluent and reducing CSO discharges into Lake Erie are a high priority for Ohio EPA. Our inspection report is enclosed. If there are any errors, or you have any questions, please call me at (419) 373-3020 or email at rick.zuzik@epa.state.oh.us.

Yours truly,

A handwritten signature in black ink, appearing to read "Richard A. Zuzik", is written over a large, diagonal scribble that obscures the signature area.

~~Richard A. Zuzik, MSE
Division of Surface Water~~

/cs

Enclosure

pc: Ernie Isaac, Superintendent, w/enclosure
* : DSW, NWDO File *

NPDES COMPLIANCE INSPECTION REPORT

Section A: National Data System Coding

Permit #	NPDES	Yr/Mo/Day	Inspection Type	Inspector	FacType
<u>2PD000014</u>	<u>OH0005287</u>	<u>11/06/14</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
Port Clinton WWTP 100 North Jackson Street Port Clinton, Ohio 43452	10:00 a.m.	03/01/07
	Exit Time	Permit Expiration Date
	12:30 p.m.	07/31/10

Name(s) and Title(s) of On-Site Representative(s)	Phone Number(s)
Ernie Isaac, Superintendent	(419)734-3221
Tracy Colston, Service Director	(419)734-5522 Ext. 8

Name, Address and Title of Responsible Official	Phone Number
Debbie Hymore-Tester, Mayor City of Port Clinton 1002 East Perry Street Port Clinton, Ohio 43452	(419)734-5522

Section C: Areas Evaluated During Inspection

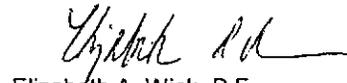
(S = Satisfactory, M = Marginal, U = Unsatisfactory, N = Not Evaluated)

<u>S</u> Permit	<u>S</u> Flow Measurement	<u>N</u> Pretreatment
<u>S</u> Records/Reports	<u>N</u> Laboratory	<u>--</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>M</u> Collection System		

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

NPDES permit renewal to be issued soon.


 Richard A. Zuzik, MSE, Ohio EPA, Northwest District Office
 Name(s) and Signature(s) of Inspector(s) Date


 Elizabeth A. Wick, P.E., Ohio EPA, Northwest District Office
 Name and Signature of Reviewer Date

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:

NPDES permit renewal to be issued soon.

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 ** _____	___	___	___	___
(e) PERMITTEE IS MEETING COMPLIANCE SCHEDULE	<u>X</u>	___	___	___

COMMENTS/STATUS:

** City operating under USEPA Consent Order

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>			
(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>III</u>	<u>X</u>			
(f) ROUTINE AND PREVENTIVE MAINTENANCE SCHEDULED/PERFORMED ON TIME	<u>X</u>			
[1](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>50%</u>				
[2](b) ANY COLLECTION SYSTEM OVERFLOWS SINCE LAST INSPECTION (CSO <u>✓</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>			
[3](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 (West Side)	<u>X</u>			

COMMENTS/STATUS:

- [1] 1 ADF pump being rebuilt - back soon
2 Blowers being rebuilt - back soon
- [2] 4 CSO events in 2010
3 CSO events thus far in 2011
- [3] 2nd Street separation project in process. To be completed in September 2011.

Section H: Sludge Management

(a) SLUDGE MANAGEMENT PLAN (SMP)
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>(Landfill)</u>)	<u>X</u>	_____	_____	_____
(d) IF SLUDGE IS INCINERATED, WHERE IS ASH DISPOSED OF _____	_____	_____	_____	_____
(e) IS SLUDGE DISPOSAL CONTRACTED (NAME: <u>Allied Waste</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:

All sludge disposed of in landfill.

Hauled daily, 14 - 16% solids.

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: <u>✓</u> ULTRASONIC & PARSHALL FLUME _____ ULTRASONIC & WEIR _____ WEIR _____ CALCULATED FROM INFLUENT _____ OTHER (Specify _____)	_____	_____	_____	_____
(b) CALIBRATION FREQUENCY ADEQUATE (Date of last calibration <u>N/A</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>✓</u> DAILY _____ WEEKLY _____ MONTHLY _____ OTHER	_____	_____	_____	_____

COMMENTS/STATUS:

New effluent flow meter installed April 2011.

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 <u>NO₂, NO₃, O&G, Metals, Sludge, Mercury</u>				

(2) LAB NAME: Jones & Henry

QUALITY CONTROL/QUALITY ASSURANCE

(f) QUALITY ASSURANCE MANUAL PROVIDED AND MAINTAINED	___	___	___	___
(g) SATISFACTORY CALIBRATION AND MAINTENANCE OF INSTRUMENTS AND EQUIPMENT	___	___	___	___
(h) ADEQUATE RECORDS MAINTAINED	___	___	___	___
(i) RESULTS OF LATEST USEPA QUALITY ASSURANCE PERFORMANCE SAMPLING PROGRAM DATE : <u>08/10</u> <u>✓</u> SATISFACTORY ___ MARGINAL ___ UNSATISFACTORY				

COMMENTS/STATUS:

- Alloway contracted to review lab procedures.
- DMRQA #30

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	

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:

P. GUIDE - VISUAL OBSERVATION - UNIT 1 ESS

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 Prot.	S	
	Safety Features	S	
	Bypasses	--	
	Stormwater Overflows	OUT	003 - ADAMS ST. CSO, 3 EVENTS IN 2011
	Alternate Power Source	S	DIESEL GENERATOR, 1100 HP
Preliminary	Maintenance of Collection Systems	M	2ND ST. SEPARATION PROJECT IN PROCESS - DONE SEPT.
	Pump Station	IN	18 TOTAL
	Ventilation	3	
	Bar Screen	IN	2 AUTO - FINE SCREEN
	Disposal of Screenings	S	LANDFILL
	Comminutor	--	
	Grit Chamber	IN	2 GRIT SEPARATORS
	Disposal of Grit	S	LANDFILL
Primary	Settling Tanks	--	
	Scum Removal	--	
	Sludge Removal	--	
	Effluent	S	
	ACTIFLO	S	2 UNITS - ALERNATE FOR PRIMARY TREATMENT, BOTH IN STORM MODE
Sludge Disposal	Digesters	--	
	Temperature and pH	--	
	Gas Production	--	
	Heating Equipment	--	
	Sludge Pumps	--	
	Drying Beds	--	
	Vacuum Filter	--	
	Disposal of Sludge	S	LANDFILL
BELT FILTER PRESS	IN	TO LANDFILL DAILY	
Other	Flow Meter and Recorder	IN	NEW IN APRIL, STABILIZER TO LEVEL FLOW
	Records	S	1.7 MGD ATOV
	Lab Controls	S	
	Chemical Treatment	IN	FERROUS, POLYMER (ACTIFLO)
Secondary-Tertiary List items as required	AERATION/CLARIFIER	IN	3 ROUND, FINE BUBBLE, REDDISH BROWN
Disinfection	Effluent	S	VERY CLEAR
	Disinfection System	IN	CL2
	Effective Dosage	S	
	Contact Time	S	
	Contact Tank	IN	
	Dechlorination	IN	SODIUM BISULFATE