



State of Ohio Environmental Protection Agency

Northwest District Office

347 North Dunbridge Road
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TELE: (419) 352-8461 FAX: (419) 352-8468
www.epa.state.oh.us

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

Re: Ottawa County
City of Port Clinton
NPDES Permit

May 30, 2008

Mr. Robert J. Berner, Safety-Service Director
City of Port Clinton
1868 E. Perry Street
Port Clinton, OH 43452

Dear Mr. Berner:

On May 13, 2008, a compliance inspection was made of the wastewater treatment facilities serving the City of Port Clinton. Mr. Ernie Isaac, Superintendent, was present and provided information on plant operations in light of the major improvement project recently begun at the plant. At the time of my visit a clear final effluent was observed being discharged. Our comments and recommendations are as follows:

- 1) Phases 1A and 2 of the plant upgrade began in March, since then extensive demolition has taken place and foundation work for the new solids handling building has begun, as well as some preliminary underground piping. The No. 1 secondary treatment tank is out of service for renovation, and the plant will continue to operate with only two units on a rotating basis until work on all three is completed. The aerobic and secondary sludge digesters are also out of service and a portable belt filter press has been brought in and the dried sludge transported to the landfill. Construction is expected to last at least one year when upon completion average daily flow treatment capacity will increase to 2 mgd. I appreciate the update Mr. Isaac provided me via email and would like to receive additional status reports as warranted until project completion.
- 2) Monthly CSO and NPDES discharge monitoring reports operating reports are being received in a timely manner and indicated 6 combined sewer overflow events during 2007 and only 2 events this far in 2008. One NPDES permit limit violation has occurred thus far this year.
- 3) Collection system improvements since our last inspection consist of a small separation project at W. 2nd and Laurel Street by installing approximately 500 feet of new storm sewer.

Mr. Robert Berner
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- 4) Lab personnel received all "acceptable" results in the latest USEPA laboratory quality assurance sampling program, DMRQA # 27, dated September 20, 2007. This is the highest rating available.

Day to day operations during major construction projects are challenging and we appreciate Mr. Isaac and his staffs' efforts in maintaining permit compliance during this period. Please find enclosed our inspection report. If there are any errors, or you have any questions, please feel free to call me at (419) 373-3020 or email at rick.zuzik@epa.state.oh.us .

Yours truly,



Richard A. Zuzik, MSE
Division of Surface Water

/lb

pc: Ernie Isaac , Superintendent, w/attachments
~~NWDO-file~~

NPDES COMPLIANCE INSPECTION REPORT

Section A: National Data System Coding

Permit #	NPDES	Yr/Mo/Day	Inspection Type	Inspector	FacType
<u>2PD00014</u>	<u>OH005287</u>	<u>08/05/13</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 N Jackson St Port Clinton Oh 43452	1:00 p.m.	March 1, 2007
	Exit Time	Permit Expiration Date
	2:30 p.m.	July 31, 2008

Name(s) and Title(s) of On-Site Representative(s)	Phone Number(s)
Mr. Ernie Isaac, Superintendent	419-734-3221

Name, Address and Title of Responsible Official	Phone Number
Mr. Roberft Berner, Safety Service Director City of Port Clinton 1868 E. Perry St Port Clinton Oh 43452	419-732-0827

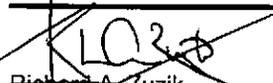
Section C: Areas Evaluated During Inspection

(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>S</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>N</u> Sludge Storage/Disposal	<u> </u> Other
<u>S</u> Collection System		

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

Plant under major construction - see letter


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


 Elizabeth A. Wick, 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>	<u> </u>	<u> </u>	<u> </u>
(b) CORRECT NAME AND LOCATION OF RECEIVING WATERS	<u>X</u>	<u> </u>	<u> </u>	<u> </u>
(c) PRODUCT(S) AND PRODUCTION RATES CONFORM WITH PERMIT APPLICATION (INDUSTRIES)	<u> </u>	<u> </u>	<u>X</u>	<u> </u>
(d) FLOWS AND LOADINGS CONFORM WITH NPDES PERMIT PERMIT APPLICATION/BRIEFING MEMO	<u>X</u>	<u> </u>	<u> </u>	<u> </u>
(e) TREAT PROCESSES ARE AS DESCRIBED IN PERMIT APPLICATION/BRIEFING MEMO	<u>X</u>	<u> </u>	<u> </u>	<u> </u>
(f) NEW TREATMENT PROCESS(ES) ADDED SINCE LAST INSPECTION	<u> </u>	<u>X</u>	<u> </u>	<u> </u>
(g) NOTIFICATION GIVEN TO STATE OF NEW, DIFFERENT OR INCREASED DISCHARGES	<u> </u>	<u> </u>	<u>X</u>	<u> </u>
(h) ALL DISCHARGES ARE PERMITTED	<u>X</u>	<u> </u>	<u> </u>	<u> </u>
(i) NUMBER AND LOCATION OF DISCHARGE POINTS ARE AS DESCRIBED IN PERMIT	<u>X</u>	<u> </u>	<u> </u>	<u> </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>	<u> </u>	<u> </u>	<u> </u>
(b) PERMITTEE IS TAKING ACTIONS TO RESOLVE VIOLATIONS	<u>X</u>	<u> </u>	<u> </u>	<u> </u>
(c) PERMITTEE HAS COMPLIANCE SCHEDULE	<u> </u>	<u>X</u>	<u> </u>	<u> </u>
(d) COMPLIANCE SCHEDULE CONTAINED IN <u>NPDES</u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
(e) PERMITTEE IS MEETING COMPLIANCE SCHEDULE	<u> </u>	<u> </u>	<u>N/A</u>	<u> </u>

COMMENTS/STATUS:

Phases 1 A-2 plant improvement under construction

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 ___ DAYS/WEEK <u>7</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>	___	___	___
(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>N/A</u>	___
(j) REGULATORY AGENCY NOTIFIED OF BYPASSES ___ ON MORS ___ 800 NO.	___	___	<u>N/A</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>				
(b) ANY COLLECTION SYSTEM OVERFLOWS SINCE LAST INSPECTION (CSO <u>X</u> SSO ___)	<u>X</u>	___	___	___
(c) REGULATORY AGENCY NOTIFIED OF OVERFLOWS (SSOs)	___	___	<u>X</u>	___
(d) CSO O AND M PLAN PROVIDED AND IMPLEMENTED	___	___	___	___
(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:

No. 1 secondary setting out for rehabilitation

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: landfill)	<u>X</u>	_____	_____	_____
(d) IF SLUDGE IS INCINERATED, WHERE IS ASH DISPOSED OF _____	_____	_____	_____	_____
(e) IS SLUDGE DISPOSAL CONTRACTED (NAME: Midwest Compost)	<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:

Portable belt filter press brought until Phase 2 completed

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> ULTRASONIC & PARSHALL FLUME _____ ULTRASONIC & WEIR _____ WEIR _____ CALCULATED FROM INFLUENT <u>X</u> OTHER (Specify _____)Magmeter	<u>X</u>	_____	_____	_____
(b) CALIBRATION FREQUENCY ADEQUATE (Date of last calibration <u>1/08</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>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:

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, Oil & Grease, Metals, Sludge, Mercury</u>				

(2) LAB NAME: Jones & Henry

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>09/07</u> <u>X</u> SATISFACTORY ___ MARGINAL ___ UNSATISFACTORY				

COMMENTS/STATUS: N/A

DMRQA#27 All "Acceptable"

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:

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		Extensive demolition at time of visit
	Buildings	S	
	Potable Water Supply Protection	S	
	Safety Features	S	
	Bypasses	-	
	Stormwater Overflows CSOIS	OUT	6 CSOIS in 2007 2 in 2008
	Alternate Power Source	S	Diesel Generator
Preliminary	Maintenance of Collection Systems	S	Small separation project at W 2 nd & Laurel
	Pump Station	IN	10 total
	Ventilation	S	
	Bar Screen	IN	2-automatic
	Disposal of Screenings	S	Landfill
	Comminutor		
	Grit Chamber	IN	2 Vortex type
	Disposal of Grit	S	Landfill
	Raw Sewage pumps		
Primary	Settling Tanks		
	Scum Removal		
	Sludge Removal		
	Effluent	S	
	Equalization	IN	2 units alternate for primary treatment both for high flow storm mode
Sludge Disposal	Digesters	OUT	Portable belt filter press during construction
	Temperature and pH	-	
	Gas Production	-	
	Heating Equipment	-	
	Sludge Pumps		
	Drying Beds	OUT	Removed
	Vacuum Filter	-	
	Disposal of Sludge	S	Landfill
Other	Flow Meter and Recorder	IN	
	Records	S	
	Lab Controls	S	Not evaluated
	Chemical Treatment	IN	Ferrous chloride added at grit chamber
Secondary-Tertiary List items as	Secondary Treatment	IN /OUT	
Disinfection	Effluent	S	Clear
	Disinfection System	IN	Liquid hypocosit
	Effective Dosage	S	
	Contact Time	S	
	Contact Tank	IN	
	Dechlorination	IN	Sodium