



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: Marion County
Caledonia WWTP
NPDES Permit

December 28, 2009

Mayor and Council
Village of Caledonia
110 Marion Street
Caledonia, Ohio 43314

Dear Mayor and Council:

This will acknowledge our December 2, 2009, compliance inspection at your wastewater treatment plant. This facility is located on Cemetery Road. This inspection was conducted as part of your National Pollutant Discharge Elimination System (NPDES) permit No. 2PA00035*DD. Mr. Craig Woodrum, operator, was present and provided information on the operation of the plant.

At the time of the inspection, all major treatment components were in service. The mixed liquor in the aeration basins had a brown color. The final discharge from the treatment plant was clear. However, we did not collect plant effluent samples to determine the water quality of the discharge during the visit.

Your NPDES permit will expire on November 30, 2012. We continue to urge the Village to take corrective actions to resolve the excessive infiltration/inflow problems in your collection system per the January 15, 2009, letter from the Marion County Sanitary Engineering Department (MCSED). Our review of your Discharge Monitoring Reports (1/1/2008 to 11/1/2009) indicated numerous effluent violations. Please refer to the enclosed violation table and share it with MCSED, your operator of record.

Our completed inspection form is enclosed for your review. If you have any questions or comments, please call Mr. Jason Ko at 419-373-3021.

Yours truly,

Allen Rupp, PE
District Engineer/Section Manager
Division of Surface Water

/lb

pc: File
Marion County Sanitary Engineering Department

NPDES COMPLIANCE INSPECTION REPORT

Section A: National Data System Coding

Permit #	NPDES	Yr/Mo/Day	Inspection Type	Inspector	FacType
<u>2PA00035</u>	<u>OH0021750</u>	<u>2009/12/2</u>	<u>C</u>	<u>S</u>	<u>P</u>

Section B: Facility Data

Name and Location of Facility Inspected	Entry Time	Permit Effective Date
Village of Caledonia Caledonia WWTP Cemetery Road Caledonia, OH 43314	10:00 A.M.	12/1/2007
	Exit Time	Permit Expiration Date
	10:30 A.M.	11/30/2012

Name(s) and Title(s) of On-Site Representative(s)	Phone Number(s)
Mr. Craig Woodrum, Plant Operator	740-389-1526

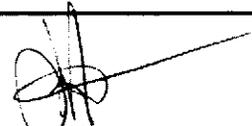
Name, Address and Title of Responsible Official	Phone Number
Mayor & Council Members Village of Caledonia 110 Marion Street Caledonia, Ohio 43314	(419)-845-2713

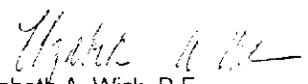
Section C: Areas Evaluated During Inspection (S = Satisfactory, M = Marginal, U = Unsatisfactory, N = Not Evaluated)

<u>S</u> Permit	<u>S</u> Flow Measurement	<u>-</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	<u>S</u> Self-Monitoring Program
<u>S</u> Facility Site Review	<u>M</u> Sludge Storage	<u>-</u> Other
<u>M</u> Collection System		

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

- * WWTP was in operation and clear discharge from the plant
- * Take corrective actions to address the excessive I/I problems per the MCSSED letter dated 1/15/2009
- * The NPDES permit will expire 11/30/2012
- * Review of the Discharge Monitoring Report (1/1/2008 – 11/1/2009) indicates numerous effluent violations

 Jason Ko Name(s) and Signature(s) of Inspector(s)	12/28/09 Date	Ohio EPA, Northwest District Office
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 Elizabeth A. Wick, P.E. Name and Signature of Reviewer	12/1/09 Date	Ohio EPA, Northwest District Office
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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	-	
	Potable Water Supply Protection	-	
	Safety Features	S	Fenced
	Bypasses	-	
	Stormwater Overflows	-	
	Alternate Power Source	OUT	Portable generator
Preliminary	Maintenance of Collection Systems	M	Take corrective actions to address I/I problems per MCSED letter
	Pump Station	IN	2 lift stations in town
	Ventilation	-	
	Bar Screen	-	
	Disposal of Screenings	-	
	Comminutor	OUT	
	Grit Chamber	-	
	Disposal of Grit	-	
	Equalization Basin	IN	Currently using as sludge holding
Primary	Settling Tanks	-	
	Scum Removal	-	
	Sludge Removal	-	
	Effluent	-	
Sludge Disposal	Digesters (Aerobic)	IN	2 basins
	Temperature and pH	-	
	Gas Production	-	
	Heating Equipment	-	
	Sludge Pumps	IN	2 air lift pumps per clarifier (4 total)
	Drying Beds	-	
	Vacuum Filter	-	
	Disposal of Sludge	S	Land application
Other	Flow Meter and Recorder	IN	At effluent
	Records	S	
	Lab Controls	-	
	Chemical Treatment	-	
Secondary-Tertiary <small>List items as</small>	Aeration Basin	IN	2 units & brown
	Secondary Settling	IN	2 units
	Fixed Media	IN	3 units
	Post Air	IN	
	Blowers	IN	4 units ; 2 in use & 1 in repair
	Sand Filter	IN	2 units
Disinfection	Effluent	S	Clear discharge
	Disinfection System	OUT	
	Effective Dosage	-	
	Contact Time	-	
	Contact Tank	IN	
	Dechlorination	-	

06/15/2009 10:00 AM
 06/15/2009 10:00 AM

Permit No.	Reporting Period	Station	Reporting Code	Parameter	Limit Type	Limit	Reported Value	Violation Date
2PA00035*DD	November 2008	001	00610	Nitrogen, Ammonia (NH3	30D Conc	3.0	6.055	11/1/2008
2PA00035*DD	November 2008	001	00610	Nitrogen, Ammonia (NH3	7D Conc	4.5	5.15	11/8/2008
2PA00035*DD	November 2008	001	00610	Nitrogen, Ammonia (NH3	7D Conc	4.5	6.96	11/15/2008
2PA00035*DD	October 2008	001	00610	Nitrogen, Ammonia (NH3	30D Conc	1.0	2.92	10/1/2008
2PA00035*DD	October 2008	001	00610	Nitrogen, Ammonia (NH3	7D Conc	1.5	2.92	10/22/2008
2PA00035*DD	March 2008	001	00610	Nitrogen, Ammonia (NH3	30D Conc	3.0	5.965	3/1/2008
2PA00035*DD	March 2008	001	00610	Nitrogen, Ammonia (NH3	7D Conc	4.5	4.89	3/8/2008
2PA00035*DD	March 2008	001	00610	Nitrogen, Ammonia (NH3	7D Conc	4.5	7.04	3/22/2008
2PA00035*DD	March 2008	001	00610	Nitrogen, Ammonia (NH3	30D Qty	1.4	1.93512	3/1/2008
2PA00035*DD	March 2008	001	00610	Nitrogen, Ammonia (NH3	7D Qty	2.0	2.59121	3/8/2008
2PA00035*DD	June 2008	001	00610	Nitrogen, Ammonia (NH3	30D Conc	1.0	1.65	6/1/2008
2PA00035*DD	June 2008	001	00610	Nitrogen, Ammonia (NH3	7D Conc	1.5	2.58	6/22/2008
2PA00035*DD	February 2008	001	00610	Nitrogen, Ammonia (NH3	30D Conc	3.0	12.04	2/1/2008
2PA00035*DD	February 2008	001	00610	Nitrogen, Ammonia (NH3	7D Conc	4.5	12.04	2/22/2008
2PA00035*DD	February 2008	001	00610	Nitrogen, Ammonia (NH3	30D Qty	1.4	2.41528	2/1/2008
2PA00035*DD	February 2008	001	00610	Nitrogen, Ammonia (NH3	7D Qty	2.0	2.41528	2/22/2008
2PA00035*DD	September 2008	001	00400	pH	1D Conc	6.5	6.2	9/9/2008
2PA00035*DD	May 2008	001	50060	Chlorine, Total Residu	1D Conc	0.019	.138	5/8/2008
2PA00035*DD	April 2008	001	00610	Nitrogen, Ammonia (NH3	30D Conc	3.0	4.2885	4/1/2008
2PA00035*DD	April 2008	001	00610	Nitrogen, Ammonia (NH3	7D Conc	4.5	8.35	4/8/2008
2PA00035*DD	May 2009	001	50060	Chlorine, Total Residu	1D Conc	0.019	.16	5/4/2009
2PA00035*DD	May 2009	001	50060	Chlorine, Total Residu	1D Conc	0.019	.08	5/5/2009
2PA00035*DD	May 2009	001	50060	Chlorine, Total Residu	1D Conc	0.019	.08	5/15/2009
2PA00035*DD	June 2009	001	00530	Total Suspended Solids	30D Conc	12	12.2	6/1/2009
2PA00035*DD	June 2009	001	00530	Total Suspended Solids	7D Conc	18	26.5	6/1/2009
2PA00035*DD	June 2009	001	50060	Chlorine, Total Residu	1D Conc	0.019	.06	6/8/2009
2PA00035*DD	February 2009	001	00530	Total Suspended Solids	30D Conc	12	13.4	2/1/2009
2PA00035*DD	February 2009	001	00530	Total Suspended Solids	7D Conc	18	24.	2/1/2009
2PA00035*DD	February 2009	001	00610	Nitrogen, Ammonia (NH3	30D Conc	3.0	3.765	2/1/2009
2PA00035*DD	February 2009	001	00610	Nitrogen, Ammonia (NH3	7D Conc	4.5	6.1	2/22/2009
2PA00035*DD	January 2009	001	00530	Total Suspended Solids	7D Conc	18	19.	1/22/2009