



**Environmental
Protection Agency**

Ted Strickland, Governor
Lee Fisher, Lt. Governor
Chris Korieski, Director

July 2, 2010

RE: TRUMBULL COUNTY
NEWTON FALLS WWTP
NPDES PERMIT NO. OH0022110
OHIO EPA PERMIT NO. 3PD00015
COMPLIANCE EVALUATION INSPECTION

City Manager and Council
City of Newton Falls
19 North Canal Street
Newton Falls, Ohio 44444

Dear City Manager and Council:

On April 29 and May 3, 2010, a Compliance Evaluation Inspection was conducted at the City of Newton Falls Wastewater Treatment Plant. A laboratory review was conducted on June 10, 2010. The City was represented by Mr. John Nemet, Superintendent. The purpose of the inspection was to obtain and review information in anticipation of renewal of the National Pollutant Discharge Elimination System (NPDES) discharge permit.

NPDES Permit Status

The current permit for this facility expired on March 31, 2010. Receipt of a timely renewal application by Ohio EPA on October 21, 2009 authorizes the facility to discharge beyond the expiration date. A draft copy of the renewal permit will be sent under separate cover. Any comments regarding the draft permit must be submitted in writing during the public notice period.

Facility Description

The treatment facility serves a population of approximately 5200 through a combination of separate sewers (35%) and combined sewers (65%).

The wet-stream processes of the 1.5 MGD treatment plant consists of preliminary treatment, off-line flow equalization, primary settling, activated sludge treatment process, final settling, UV disinfection, and post aeration. The plant discharges to the Mahoning River via Outfall 001. Waste sludge from the facility is gravity-thickened, anaerobically-digested, mechanically dewatered utilizing a belt filter press and drying beds prior to landfill disposal.

Inspection Findings

At the time of the inspection, the general operation and maintenance of the treatment plant appeared to be satisfactory. The final effluent at Outfall 001 was clear with no observable adverse impact to the Mahoning River. The inspection also noted that the City continues to implement the recommendations identified in the approved Long-term Control Plan.

Newton Falls Outfall Latitude/Longitude Locations			
Location Name	Site Designation	Latitude (Degrees, Minutes, Seconds)	Longitude (Degrees, Minutes, Seconds)
Final Effluent	Outfall 001 @ the E.B. Mahoning River	41E 11N 300	80E 58N 110
EQ Basin Overflow	Outfall 040 @ the Mahoning River	41E 11N 320	80E 58N 100
CSO	Outfall 003 @ the E.B. Mahoning River	41E 11N 060	80E 58N 250
CSO	Outfall 004 @ the E.B. Mahoning River	41E 11N 060	80E 58N 270
CSO	Outfall 007 @ the E.B. Mahoning River	41E 11N 130	80E 58N 210
CSO	Outfall 008 @ the E.B. Mahoning River	41E 11N 120	80E 58N 220
CSO	Outfall 009 @ the E.B. Mahoning River	41E 11N 170	80E 58N 180
CSO	Outfall 010 @ the E.B. Mahoning River	41E 11N 170	80E 58N 170
CSO	Outfall 011 @ the E.B. Mahoning River	41E 11N 200	80E 58N 180
CSO	Outfall 012 @ the E.B. Mahoning River	41E 11N 200	80E 58N 180
CSO	Outfall 013 @ the E.B. Mahoning River	41E 11N 200	80E 58N 180
CSO	Outfall 017 @ the E.B. Mahoning River	41E 10N 490	80E 58N 030
CSO	Outfall 018 @ the E.B. Mahoning River	41E 10N 540	80E 58N 050
CSO	Outfall 019 @ the E.B. Mahoning River	41E 11N 090	80E 58N 240
CSO	Outfall 020 @ the E.B. Mahoning River	41E 11N 120	80E 58N 190
CSO	Outfall 024 @ the W.B. Mahoning River	41E 11N 480	80E 57N 580
CSO	Outfall 027 @ the W.B. Mahoning River	41E 11N 140	80E 59N 110
CSO	Outfall 028 @ the W.B. Mahoning River	41E 11N 140	80E 59N 010
CSO	Outfall 029 @ the W.B. Mahoning River	41E 11N 320	80E 59N 100
CSO	Outfall 030 @ the W.B. Mahoning River	41E 11N 250	80E 58N 400
CSO	Outfall 032 @ the W.B. Mahoning River	41E 11N 440	80E 58N 240
CSO	Outfall 033 @ the W.B. Mahoning River	41E 11N 100	80E 58N 100
CSO	Outfall 034 @ the W.B. Mahoning River	41E 11N 150	80E 58N 540
CSO	Outfall 035 @ the W.B. Mahoning River	41E 11N 190	80E 58N 450
CSO	Outfall 037 @ the W.B. Mahoning River	41E 11N 430	80E 58N 240
CSO	Outfall 038 @ the W.B. Mahoning River	41E 11N 470	80E 58N 160

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Discharge Monitoring Reports (DMR)

Discharge monitoring reports (DMR) received by Ohio EPA for the period February 2009 through April 2010, were reviewed. A summary of the Outfall 001 discharge data is listed in Attachment A. Additionally, the effluent data was reviewed for compliance with the final effluent limitations and monitoring requirements of the NPDES permit. A summary of the specific violations are cited in Attachment B.

Please be advised that any violations referenced herein are subject to appropriate enforcement actions pursuant to Chapter 6111 of the Ohio Revised Code. Such actions can result in the imposition of fines of up to \$10,000 per day of violation.

If you should have any questions, please contact this office at (330) 963-1196.

Respectfully,



Ermelindo Gomes
Environmental Engineer
Division of Surface Water

EG/mt

cc: John Nemet, Superintendent

ATTACHMENT A: NEWTON FALLS OUTFALL 001 EFFLUENT SUMMARY (1/2009 – 4/2010)

Parameter	Season	Units	# Obs.	Percentiles		Data Range
				50 th	95 th	
Outfall 001						
Water Temperature	Annual	C	333	13	23	8-27
Dissolved Oxygen	Summer	mg/l	128	8.2	8.97	7.5-9.1
Dissolved Oxygen	Winter	mg/l	205	9.8	11.2	7.4-12
Total Suspended Solids	Annual	mg/l	192	2	8	1-32
Oil and Grease, Freon Extr-Grav Meth	Annual	mg/l	32	0	6	0-7
Nitrogen, Ammonia (NH3)	Summer	mg/l	72	0.4	1.19	0.05-1.95
Nitrogen, Ammonia (NH3)	Winter	mg/l	120	0.35	8.75	0-11.7
Nitrogen Kjeldahl, Total	Annual	mg/l	32	1.1	3.64	0.18-11.2
Nitrite Plus Nitrate, Total	Annual	mg/l	32	17.7	27.5	1.32-30.4
Phosphorus, Total (P)	Annual	mg/l	64	0.785	1.59	0.21-1.91
Nickel, Total Recoverable	Annual	ug/l	5	0	0	0-0
Zinc, Total Recoverable	Annual	ug/l	5	54	107	10-113
Cadmium, Total Recoverable	Annual	ug/l	5	0	0	0-0
Lead, Total Recoverable	Annual	ug/l	5	0	0	0-0
Chromium, Total Recoverable	Annual	ug/l	5	0	0	0-0
Copper, Total Recoverable	Annual	ug/l	5	0	480	0-600
Chromium, Dissolved Hexavalent	Annual	ug/l	5	0	0	0-0
Fecal Coliform	Annual	#/100 ml	72	15	504	1-660
Flow Rate	Summer	MGD	184	0.71	1.27	0.555-1.78
Flow Rate	Winter	MGD	301	0.938	2.12	0.568-3.78
Flow Rate	Annual	MGD	485	0.817	1.83	0.555-3.78
Mercury, Total (Low Level)	Annual	ng/l	5	3.2	20.6	1.4-24.4
pH, Maximum	Annual	S.U.	333	6.9	7.2	6.7-7.4
pH, Minimum	Annual	S.U.	333	6.9	7.1	6.4-7.3
CBOD 5 day	Summer	mg/l	72	2	3	1-6
CBOD 5 day	Winter	mg/l	120	3	5	1-6

ATTACHMENT B: NEWTON FALLS OUTFALL 001 EFFLUENT VIOLATIONS (1/2009 – 4/2010)

Reporting Period	Station	Parameter	Limit Type	Limit	Reported Value	Violation Date
May 2009	001	pH, Minimum	1D Conc	6.5	6.4	5/12/2009