



State of Ohio Environmental Protection Agency

Northeast District Office

DEC 18 '09 PM 12:10

2110 East Aurora Rd.
Twinsburg, Ohio 44087

TELE: (330) 963-1200 FAX: (330) 487-0769
www.epa.state.oh.us

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

December 17, 2009

RE: LORAIN COUNTY
CITY OF NORTH RIDGEVILLE
WESTFIELD ALLOTMENT WWTP
NPDES NO. OH0083801
OEPA NO. 3PA00024*BD

CERTIFIED MAIL

Mayor and Council
City of North Ridgeville
7307 Avon Belden Rd.
N. Ridgeville, OH 44039

Dear Mayor and Council:

On December 8, 2009, a compliance evaluation inspection (CEI) was conducted at the Westfield Allotment wastewater treatment plant (WWTP). The wastewater treatment plant is owned and operated by the City of North Ridgeville. Present during the inspection were Messrs. Bob Roth and Brian O'Grady, representing the City of North Ridgeville; Mr. John Sabo, of the Lorain County Health Department; and this writer, of the Ohio EPA.

The purpose of the inspection was to evaluate the treatment plant processes, effluent discharge quality, and general compliance with the intent of the permit.

At the time of the December 8th inspection the following observations were made:

- 1) The trash trap was in use and was in satisfactory condition. The trash trap was last pumped approximately 3 months ago by Ray Johnson Septic.
- 2) The extended aeration tank was being well aerated, and the contents were medium brown. The return sludge line was operational, returning medium brown sludge.
- 3) Both settling tanks were in operation, and the contents were typical. Effluent troughs were clean and free of solids or algae. There was a buildup of solids behind the influent baffle of the settling tank, and the surface skimmer of the east settling tank was not level.
- 4) Pumps in the surface sand filter dosing station were operational.
- 5) The southeast cell of the surface sand filters was in use. Both the northeast and southwest cells contained drying solids. The northwest sand filter cell was not in use, and the sand was level and free of solids.
- 6) The Ultra Violet (UV) disinfection unit was out of operation, as the effluent does not need disinfection during the winter months. The UV bulbs had been removed for winter storage.
- 7) The aerated sludge holding tank was in use. The sludge tank was being well aerated and its contents were medium brown.



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Mayor and Council
City of North Ridgeville
December 17, 2009
Page 2

The following items were also discussed during the December 8th inspection:

- 1) The aeration tanks were cleaned and rehabbed this past summer (2009). New blower motors and blowers were installed, as were new air diffusers.
- 2) Skimmers in the settling tanks are operated every couple of days, or more frequently if needed. The skimmer in the east settling tank needs to be leveled.
- 3) Approximately 50 tons of sand was added to or replaced in the surface sand filters since the last inspection.
- 4) Sludge from the aerated sludge holding tank is hauled to the French Creek WWTP for treatment and final disposal.
- 5) UV bulbs in the disinfection unit were replaced since the last inspection. During the disinfection season, the bulbs are cleaned approximately 1x per week.
- 6) A portable generator hookup has been installed at the WWTP since the last inspection. A power failure alarm is present, and will notify persons on a call down list if problems develop at the WWTP when the plant is not manned.

A review of electronic Discharge Monitoring Reports (eDMR's) for the period May 1, 2008, through Dec.1, 2009, indicates the Westfield Allotment WWTP has experienced the following incidences of non-compliance with its NPDES permit effluent numeric limits:

**WESTFIELD ALLOTMENT WWTP
NPDES PERMIT NO. 3PA00024
EFFLUENT NUMERIC VIOLATIONS
(May 1, 2008 – Dec. 1, 2009)**

Reporting Period	Parameter	Limit Type	Limit	Reported Value	Violation Date
May 2008	Nitrogen, Ammonia (NH3-N)	30D Conc	2.0	7.375	5/1/2008
May 2008	Nitrogen, Ammonia (NH3-N)	30D Qly	0.19	.41815	5/1/2008
May 2008	Nitrogen, Ammonia (NH3-N)	7D Conc	3.0	14.7	5/22/2008
May 2008	Nitrogen, Ammonia (NH3-N)	7D Qly	0.28	.83459	5/22/2008
May 2008	CBOD 5 day	7D Conc	15	18.	5/22/2008
June 2008	Fecal Coliform	30D Conc	1000	8700.	6/1/2008
June 2008	pH	1D Conc	6.5	6.31	6/17/2008
June 2008	Fecal Coliform	7D Conc	2000	8700.	6/22/2008
November 2008	Nitrogen, Ammonia (NH3-N)	30D Conc	2.0	2.65	11/1/2008
November 2008	Nitrogen, Ammonia (NH3-N)	7D Conc	3.0	5.3	11/22/2008
November 2008	Nitrogen, Ammonia (NH3-N)	7D Qly	0.28	.32097	11/22/2008
December 2008	Nitrogen, Ammonia (NH3-N)	7D Conc	3.0	3.45	12/22/2008
February 2009	Nitrogen, Ammonia (NH3-N)	30D Conc	2.0	11.24	2/1/2009
February 2009	Nitrogen, Ammonia (NH3-N)	30D Qly	0.19	.76684	2/1/2009
February 2009	Total Suspended Solids	7D Conc	18	20.	2/22/2009
February 2009	Nitrogen, Ammonia (NH3-N)	7D Conc	3.0	22.4	2/22/2009



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Mayor and Council
 City of North Ridgeville
 December 17, 2009
 Page 3

Reporting Period	Parameter	Limit Type	Limit	Reported Value	Violation Date
February 2009	Nitrogen, Ammonia (NH3-N)	7D Qty	0.28	1.52611	2/22/2009
March 2009	Total Suspended Solids	7D Conc	18	23.3	3/1/2009
March 2009	Total Suspended Solids	7D Qty	1.70	2.73391	3/1/2009
March 2009	CBOD 5 day	30D Conc	10	21.325	3/1/2009
March 2009	CBOD 5 day	7D Conc	15	73.	3/1/2009
March 2009	CBOD 5 day	30D Qty	0.95	2.46829	3/1/2009
March 2009	CBOD 5 day	7D Qty	1.42	8.56546	3/1/2009
April 2009	Nitrogen, Ammonia (NH3-N)	30D Conc	2.0	2.025	4/1/2009
April 2009	Nitrogen, Ammonia (NH3-N)	7D Conc	3.0	3.8	4/22/2009

A review of the eDMR data for reporting frequency violations for the same period found the following violations:

**WESTFIELD ALLOTMENT WWTP
 NPDES PERMIT NO. 3PA00024
 EFFLUENT FREQUENCY VIOLATIONS
 (May 1, 2007 - Dec. 1, 2009)**

Reporting Period	Parameter	Sample Frequency	Expected	Reported	Violation Date
May 2008	Chlorine, Total Residual	1/Day	1	0	05/01/2008
May 2008	Chlorine, Total Residual	1/Day	1	0	05/02/2008
May 2008	Chlorine, Total Residual	1/Day	1	0	05/03/2008
May 2008	Chlorine, Total Residual	1/Day	1	0	05/04/2008
May 2008	Chlorine, Total Residual	1/Day	1	0	05/05/2008
May 2008	Chlorine, Total Residual	1/Day	1	0	05/06/2008
May 2008	Chlorine, Total Residual	1/Day	1	0	05/07/2008
May 2008	Chlorine, Total Residual	1/Day	1	0	05/08/2008
May 2008	Chlorine, Total Residual	1/Day	1	0	05/09/2008
May 2008	Chlorine, Total Residual	1/Day	1	0	05/10/2008
May 2008	Chlorine, Total Residual	1/Day	1	0	05/11/2008
May 2008	Chlorine, Total Residual	1/Day	1	0	05/12/2008
May 2008	Chlorine, Total Residual	1/Day	1	0	05/13/2008
May 2008	Chlorine, Total Residual	1/Day	1	0	05/14/2008
May 2008	Chlorine, Total Residual	1/Day	1	0	05/15/2008
May 2008	Chlorine, Total Residual	1/Day	1	0	05/16/2008
May 2008	Chlorine, Total Residual	1/Day	1	0	05/17/2008
May 2008	Chlorine, Total Residual	1/Day	1	0	05/18/2008
May 2008	Chlorine, Total Residual	1/Day	1	0	05/19/2008
May 2008	Chlorine, Total Residual	1/Day	1	0	05/20/2008
May 2008	Chlorine, Total Residual	1/Day	1	0	05/21/2008
May 2008	Chlorine, Total Residual	1/Day	1	0	05/22/2008
May 2008	Chlorine, Total Residual	1/Day	1	0	05/23/2008
May 2008	Chlorine, Total Residual	1/Day	1	0	05/24/2008
May 2008	Chlorine, Total Residual	1/Day	1	0	05/25/2008
May 2008	Chlorine, Total Residual	1/Day	1	0	05/26/2008



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Mayor and Council
 City of North Ridgeville
 December 17, 2009
 Page 4

Reporting Period	Parameter	Sample Frequency	Expected	Reported	Violation Date
May 2008	Chlorine, Total Residual	1/Day	1	0	05/27/2008
May 2008	Chlorine, Total Residual	1/Day	1	0	05/28/2008
May 2008	Chlorine, Total Residual	1/Day	1	0	05/29/2008
May 2008	Chlorine, Total Residual	1/Day	1	0	05/30/2008
May 2008	Chlorine, Total Residual	1/Day	1	0	05/31/2008
June 2008	Chlorine, Total Residual	1/Day	1	0	06/02/2008
June 2008	Chlorine, Total Residual	1/Day	1	0	06/03/2008
June 2008	Chlorine, Total Residual	1/Day	1	0	06/04/2008
June 2008	Chlorine, Total Residual	1/Day	1	0	06/05/2008
June 2008	Chlorine, Total Residual	1/Day	1	0	06/06/2008
June 2008	Chlorine, Total Residual	1/Day	1	0	06/07/2008
June 2008	Chlorine, Total Residual	1/Day	1	0	06/08/2008
June 2008	Chlorine, Total Residual	1/Day	1	0	06/09/2008
June 2008	Chlorine, Total Residual	1/Day	1	0	06/10/2008
June 2008	Chlorine, Total Residual	1/Day	1	0	06/11/2008
June 2008	Chlorine, Total Residual	1/Day	1	0	06/12/2008
June 2008	Chlorine, Total Residual	1/Day	1	0	06/13/2008
June 2008	Chlorine, Total Residual	1/Day	1	0	06/14/2008
June 2008	Chlorine, Total Residual	1/Day	1	0	06/15/2008
June 2008	Chlorine, Total Residual	1/Day	1	0	06/16/2008
June 2008	Chlorine, Total Residual	1/Day	1	0	06/17/2008
June 2008	Chlorine, Total Residual	1/Day	1	0	06/18/2008
June 2008	Chlorine, Total Residual	1/Day	1	0	06/19/2008
June 2008	Chlorine, Total Residual	1/Day	1	0	06/20/2008
June 2008	Chlorine, Total Residual	1/Day	1	0	06/21/2008
June 2008	Chlorine, Total Residual	1/Day	1	0	06/22/2008
June 2008	Chlorine, Total Residual	1/Day	1	0	06/23/2008
June 2008	Chlorine, Total Residual	1/Day	1	0	06/24/2008
June 2008	Chlorine, Total Residual	1/Day	1	0	06/25/2008
June 2008	Chlorine, Total Residual	1/Day	1	0	06/26/2008
June 2008	Chlorine, Total Residual	1/Day	1	0	06/27/2008
June 2008	Chlorine, Total Residual	1/Day	1	0	06/28/2008
June 2008	Chlorine, Total Residual	1/Day	1	0	06/29/2008
June 2008	Chlorine, Total Residual	1/Day	1	0	06/30/2008
July 2008	Chlorine, Total Residual	1/Day	1	0	07/02/2008
July 2008	Chlorine, Total Residual	1/Day	1	0	07/03/2008
July 2008	Chlorine, Total Residual	1/Day	1	0	07/04/2008
July 2008	Chlorine, Total Residual	1/Day	1	0	07/05/2008
July 2008	Chlorine, Total Residual	1/Day	1	0	07/06/2008
July 2008	Chlorine, Total Residual	1/Day	1	0	07/07/2008
July 2008	Chlorine, Total Residual	1/Day	1	0	07/08/2008
July 2008	Chlorine, Total Residual	1/Day	1	0	07/09/2008
July 2008	Chlorine, Total Residual	1/Day	1	0	07/10/2008
July 2008	Chlorine, Total Residual	1/Day	1	0	07/11/2008
July 2008	Chlorine, Total Residual	1/Day	1	0	07/12/2008
July 2008	Chlorine, Total Residual	1/Day	1	0	07/13/2008



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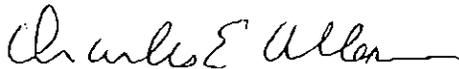
Mayor and Council
 City of North Ridgeville
 December 17, 2009
 Page 5

Reporting Period	Parameter	Sample Frequency	Expected	Reported	Violation Date
July 2008	Chlorine, Total Residual	1/Day	1	0	07/14/2008
July 2008	Chlorine, Total Residual	1/Day	1	0	07/15/2008
July 2008	Chlorine, Total Residual	1/Day	1	0	07/16/2008
July 2008	Chlorine, Total Residual	1/Day	1	0	07/17/2008
July 2008	Chlorine, Total Residual	1/Day	1	0	07/18/2008
July 2008	Chlorine, Total Residual	1/Day	1	0	07/19/2008
July 2008	Chlorine, Total Residual	1/Day	1	0	07/20/2008
July 2008	Chlorine, Total Residual	1/Day	1	0	07/21/2008
July 2008	Chlorine, Total Residual	1/Day	1	0	07/22/2008
July 2008	Chlorine, Total Residual	1/Day	1	0	07/23/2008
July 2008	Chlorine, Total Residual	1/Day	1	0	07/24/2008
July 2008	Chlorine, Total Residual	1/Day	1	0	07/25/2008
July 2008	Chlorine, Total Residual	1/Day	1	0	07/26/2008
July 2008	Chlorine, Total Residual	1/Day	1	0	07/27/2008
July 2008	Chlorine, Total Residual	1/Day	1	0	07/28/2008
July 2008	Chlorine, Total Residual	1/Day	1	0	07/29/2008
July 2008	Chlorine, Total Residual	1/Day	1	0	07/30/2008
July 2008	Chlorine, Total Residual	1/Day	1	0	07/31/2008

Please submit a written report, within 14 days of the receipt of this letter, indicating the reason(s) for the above numeric and frequency reporting violations, and what actions were taken to correct the situation.

If there are questions or comments regarding this correspondence, please contact this office.

Respectfully,



Charles E. Allen
 Environmental Engineer
 Division of Surface Water

CEA/mt

File: Muni/N.Ridgeville/WestfieldP&C



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SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
<ul style="list-style-type: none"> ■ Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. ■ Print your name and address on the reverse so that we can return the card to you. ■ Attach this card to the back of the mailpiece, or on the front if space permits. 	<p>A. Signature <input type="checkbox"/> Agent <input type="checkbox"/> Addressee</p> <p><i>Crystal Y. Brooks</i></p>
<p>1. Article Addressed to:</p> <p style="text-align: center;">Mayor and Council City of North Ridgeville 7307 Avon Belden Rd. N. Ridgeville OH 44039</p>	<p>B. Received by (Printed Name) C. Date of Delivery</p> <p><i>Crystal Y. Brooks</i> <i>12/18/09</i></p>
	<p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No</p>
<p>2. Article Number (Transfer from service label) <i>7008 3230 0003 5419 8100 (Allen 12/17/09)</i></p>	<p>3. Service Type</p> <p><input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail</p> <p><input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise</p> <p><input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.</p>
	<p>4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes</p>