



**Environmental  
Protection Agency**

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



\*1PT0007720090218\*

CLERMONT CLERMONT NE LOCAL SCHOOLS WWTP

WARE, RONALD

2009/02/18



State of Ohio Environmental Protection Agency

**Southwest District Office**

401 E. Fifth St.  
Dayton, Ohio 45402

TELE: (937) 285-6357 FAX: (937) 285-6249  
www.epa.state.oh.us

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

February 18, 2009

Clermont Northeast Local Schools  
Attn: Neil Leist, Superintendent  
2792 U.S. Route 50  
Batavia, Ohio 45103

**Re: Clermont Northeast Local Schools WWTP, U.S. Route 50, Clermont County  
Reconnaissance Inspection**

Dear Mr. Leist:

On February 11, 2009, I conducted a Reconnaissance Inspection of the wastewater treatment plant that serves the above referenced facility in Stonelick Township, Clermont County (NPDES Permit No. 1PT00077, OH0118311). Rick Hanson with National Wastewater Industries, the contract operator for this facility, was present during the inspection. The purpose of this inspection was to evaluate plant operation and performance. A copy of the inspection report is enclosed.

All components of the treatment plant were operational, and the effluent appeared to be clear and free of solids. However, the following items were noted during my inspection:

- Floating gray sludge on the surface of the secondary clarifier near the effluent trough. Floating gray sludge is an indication of old sludge in the treatment system.
- "Ponding" (standing water) on four of the six sand filter beds that were being used.
- An apparent blockage in the drain line from the sand filters to the combination dosing tank/effluent disinfection tank.

This wastewater treatment plant has had violations of the final effluent limitations in its NPDES permit (mostly for dissolved oxygen and ammonia nitrogen) over the past two years. Also, the last five annual sewage sludge reports for this facility state that no sludge was removed from this facility during those years.

Please provide this office with a written explanation of the measures that will be taken to correct the observed problems at this facility.

Clermont Northeast Local Schools  
February 18, 2009  
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If you have any questions regarding this report, please contact me at (937) 285 - 6098.

Sincerely,

*Ron Ware*

Ron Ware  
Ohio EPA - Division of Surface Water  
Southwest District Office

C: Clermont County General Health District

RW/mab

OHIO ENVIRONMENTAL PROTECTION AGENCY SWDO  
SEMI-PUBLIC SEWAGE DISPOSAL INSPECTION FORM

NPDES No. 1PT00077\*BD Appl. No. OH0118311 Expiration Date 12/31/2008

INSPECTOR Ron Ware DATE 2/11/2009 Time 1:00 P.M.

FACILITY NAME Clermont Northeastern Schools OWNER NAME Clermont Northeastern Schools District  
ADDRESS U. S. Route 50 ADDRESS 2792 U. S. Route 50  
COUNTY Clermont Batavia, Ohio 45103  
FLOW DESIGN 40,000 gpd PHONE NO. (513) 625 - 5478  
OPERATING FLOW 12,000 gpd OPERATOR National Wastewater Industries, Inc.  
PLANT OPERATING YES x NO \_\_\_\_\_ (513) 367 - 5969

PRETREATMENT

Comminutor \_\_\_\_\_ Bar Screen \_\_\_\_\_ Trash Trap x Grease Trap \_\_\_\_\_ None \_\_\_\_\_ Other \_\_\_\_\_ Comments: \_\_\_\_\_  
Does Trash Trap need pumped? Yes \_\_\_\_\_ No \_\_\_\_\_ Unknown x \_\_\_\_\_  
Maintenance of pretreatment components is Excellent \_\_\_\_\_ Good x Fair \_\_\_\_\_ Poor \_\_\_\_\_

SECONDARY TREATMENT

AERATION

COLOR OF SLUDGE: Black \_\_\_\_\_ Gray \_\_\_\_\_ Light Brown x Dark Brown \_\_\_\_\_ Other \_\_\_\_\_  
QUALITY OF SLUDGE: Heavy \_\_\_\_\_ Medium x Thin \_\_\_\_\_ Foamy \_\_\_\_\_ Odorous \_\_\_\_\_ (Strong \_\_\_\_\_ Slight \_\_\_\_\_)  
YES NO YES NO Comments: \_\_\_\_\_  
x \_\_\_\_\_ Aeration is taking place \_\_\_\_\_ x Plant is septic  
x \_\_\_\_\_ Are blowers operating \_\_\_\_\_ x Plant is on timer  
x \_\_\_\_\_ Skimmers are operating \_\_\_\_\_ x Is there excess foam  
x \_\_\_\_\_ Are diffusers operating \_\_\_\_\_ x Is the plant flooded  
x \_\_\_\_\_ Is sludge return operating \_\_\_\_\_ x Grating is present Condition of grating Good  
Maintenance of aeration components is Excellent \_\_\_\_\_ Good \_\_\_\_\_ Fair x Poor \_\_\_\_\_

SETTLING

CLARITY: Clear \_\_\_\_\_ Cloudy x Solids Present \_\_\_\_\_ Comments: \_\_\_\_\_  
CONDITION OF WEIR: Clean x Excessive Algae/Solids Build-up \_\_\_\_\_ Level \_\_\_\_\_  
EFFLUENT IN WEIR: Clear x Light Solids x Heavy Solids \_\_\_\_\_ Other \_\_\_\_\_  
DOES CHAMBER NEED TO BE SCRAPPED: Yes x No \_\_\_\_\_ Unknown \_\_\_\_\_  
Maintenance of settling components is Excellent \_\_\_\_\_ Good \_\_\_\_\_ Fair x Poor \_\_\_\_\_

TERTIARY TREATMENT

FILTERS

YES NO YES NO Comments: \_\_\_\_\_  
x \_\_\_\_\_ Sand filters (Slow Rapid) \_\_\_\_\_ x Subsurface Upflow  
x \_\_\_\_\_ Distribution box operating \_\_\_\_\_ x Beds alternated  
x \_\_\_\_\_ Are filters ponding/flooding \_\_\_\_\_ x Beds being raked  
x \_\_\_\_\_ Sand filters overgrown \_\_\_\_\_ x Chlorination present Type: \_\_\_\_\_  
\_\_\_\_\_ x UV present \_\_\_\_\_ x Dechlor present Type: \_\_\_\_\_  
Maintenance of settling components is Excellent \_\_\_\_\_ Good \_\_\_\_\_ Fair \_\_\_\_\_ Poor x

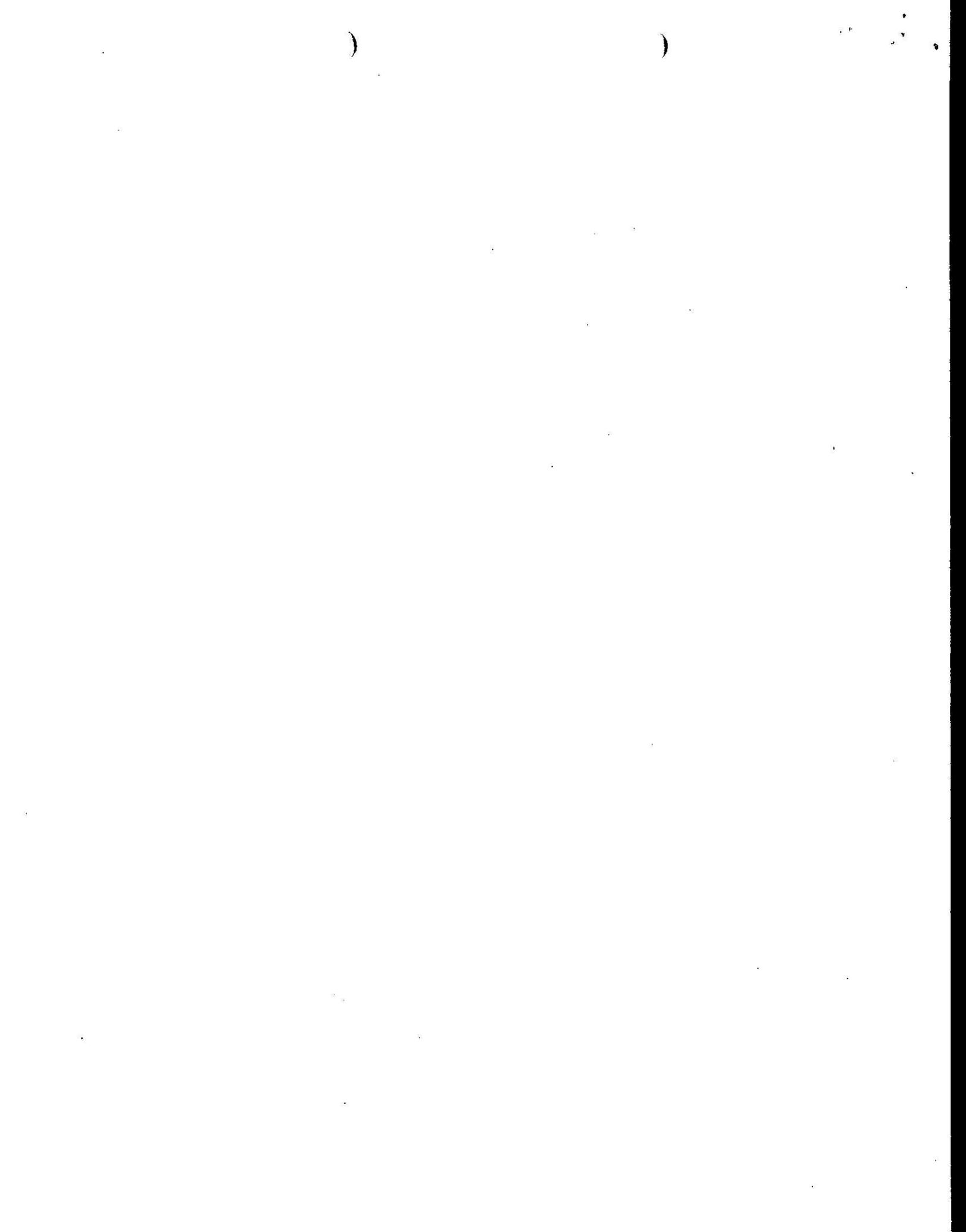
SLUDGE HANDLING/STORAGE/DISPOSAL

Hauler Name National Wastewater Industries, Inc. YES NO Comments: \_\_\_\_\_  
Disposal Site unknown \_\_\_\_\_ x Sludge drying beds  
Solids wasted from secondary clarifier \_\_\_\_\_ x Sludge holding tank  
How often solids wasted as needed  
Maintenance of sludge handling components is Excellent \_\_\_\_\_ Good \_\_\_\_\_ Fair x Poor \_\_\_\_\_

PLANT DISCHARGE

DISCHARGE POINT

Pond \_\_\_\_\_ Stream x Storm Sewer \_\_\_\_\_ Leach trench \_\_\_\_\_ Ditch \_\_\_\_\_ Ravine \_\_\_\_\_ Catch Basin \_\_\_\_\_ Unknown \_\_\_\_\_ Other \_\_\_\_\_  
Name of receiving point Patterson Run  
Is discharge visible: Yes x No \_\_\_\_\_  
Quality of Effluent: Clear x Cloudy \_\_\_\_\_ Gray \_\_\_\_\_ Black \_\_\_\_\_ Other \_\_\_\_\_ Effect on receiving point No adverse effect on stream.  
PLANT MAY NOT BE OPERATING PROPERLY DUE TO: Hydraulic overload \_\_\_\_\_ Organic overload \_\_\_\_\_ Solids overload \_\_\_\_\_ Hydraulic underload \_\_\_\_\_  
Organic underload x Inadequate Maintenance x Equipment failure x Inexperienced operator \_\_\_\_\_ Insufficient wasting \_\_\_\_\_  
Comment: \_\_\_\_\_



Permit No.	Reporting Period	Station	Reporting Code	Parameter	Limit Type	Limit	Reported Value	Violation Date
1PT00077*BD	July 2007	001	00300	Dissolved Oxygen	1D Conc	6.0	5.8	7/3/2007
1PT00077*BD	July 2007	001	00300	Dissolved Oxygen	1D Conc	6.0	5.5	7/12/2007
1PT00077*BD	August 2007	001	00300	Dissolved Oxygen	1D Conc	6.0	5.9	8/6/2007
1PT00077*BD	August 2007	001	00300	Dissolved Oxygen	1D Conc	6.0	5.8	8/13/2007
1PT00077*BD	August 2007	001	00300	Dissolved Oxygen	1D Conc	6.0	5.5	8/21/2007
1PT00077*BD	August 2007	001	00300	Dissolved Oxygen	1D Conc	6.0	4.2	8/28/2007
1PT00077*BD	March 2007	001	00610	Nitrogen, Ammonia (NH3	30D Conc	1.0	1.31	3/1/2007
1PT00077*BD	March 2007	001	00610	Nitrogen, Ammonia (NH3	7D Conc	1.5	1.65	3/22/2007
1PT00077*BD	April 2007	001	00610	Nitrogen, Ammonia (NH3	30D Conc	1.0	2.095	4/1/2007
1PT00077*BD	April 2007	001	00610	Nitrogen, Ammonia (NH3	7D Conc	1.5	2.21	4/8/2007
1PT00077*BD	April 2007	001	00610	Nitrogen, Ammonia (NH3	7D Conc	1.5	1.98	4/22/2007
1PT00077*BD	July 2007	001	00610	Nitrogen, Ammonia (NH3	30D Conc	1.0	1.585	7/1/2007
1PT00077*BD	July 2007	001	00610	Nitrogen, Ammonia (NH3	7D Conc	1.5	1.55	7/8/2007
1PT00077*BD	July 2007	001	00610	Nitrogen, Ammonia (NH3	7D Conc	1.5	1.62	7/22/2007
1PT00077*BD	August 2007	001	00610	Nitrogen, Ammonia (NH3	30D Conc	1.0	1.115	8/1/2007
1PT00077*BD	November 2007	001	00610	Nitrogen, Ammonia (NH3	30D Conc	1.0	5.5	11/1/2007
1PT00077*BD	November 2007	001	00610	Nitrogen, Ammonia (NH3	30D Qty	0.2	.41635	11/1/2007
1PT00077*BD	November 2007	001	00610	Nitrogen, Ammonia (NH3	7D Conc	1.5	5.5	11/8/2007
1PT00077*BD	November 2007	001	00610	Nitrogen, Ammonia (NH3	7D Qty	0.2	.41635	11/8/2007
1PT00077*BD	November 2007	001	00610	Nitrogen, Ammonia (NH3	7D Conc	1.5	5.5	11/22/2007
1PT00077*BD	November 2007	001	00610	Nitrogen, Ammonia (NH3	7D Qty	0.2	.41635	11/22/2007

Permit No.	Reporting Period	Station	Reporting Code	Parameter	Limit type	Limit	Reported Value	Violation Date
1PT00077*BD	June 2008	001	00300	Dissolved Oxygen	1D Conc	6.0	5.9	6/24/2008
1PT00077*BD	April 2008	001	00610	Nitrogen, Ammonia (NH3	30D Conc	1.0	1.21	4/1/2008
1PT00077*BD	March 2008	001	00610	Nitrogen, Ammonia (NH3	30D Conc	1.0	2.155	3/1/2008
1PT00077*BD	March 2008	001	00610	Nitrogen, Ammonia (NH3	7D Conc	1.5	1.55	3/8/2008
1PT00077*BD	March 2008	001	00610	Nitrogen, Ammonia (NH3	7D Conc	1.5	2.76	3/22/2008
1PT00077*BD	March 2008	001	00610	Nitrogen, Ammonia (NH3	7D Qty	0.2	.22983	3/22/2008
1PT00077*BD	September 2008	001	00610	Nitrogen, Ammonia (NH3	30D Conc	1.0	1.3	9/1/2008
1PT00077*BD	October 2008	001	00610	Nitrogen, Ammonia (NH3	30D Conc	1.0	3.	10/1/2008
1PT00077*BD	October 2008	001	00610	Nitrogen, Ammonia (NH3	30D Qty	0.2	.2271	10/1/2008
1PT00077*BD	October 2008	001	00610	Nitrogen, Ammonia (NH3	7D Conc	1.5	2.7	10/8/2008
1PT00077*BD	October 2008	001	00610	Nitrogen, Ammonia (NH3	7D Qty	0.2	.20439	10/8/2008
1PT00077*BD	October 2008	001	00610	Nitrogen, Ammonia (NH3	7D Conc	1.5	3.3	10/22/2008
1PT00077*BD	October 2008	001	00610	Nitrogen, Ammonia (NH3	7D Qty	0.2	.24981	10/22/2008