

Application No. OH0098175

Issue Date: August 24, 2007

Effective Date: October 1, 2007

Expiration Date: September 30, 2010

Ohio Environmental Protection Agency
Authorization to Discharge Under the
National Pollutant Discharge Elimination System

In compliance with the provisions of the Federal Water Pollution Control Act, as amended (33 U.S.C. 1251 et. seq., hereinafter referred to as the "Act"), and the Ohio Water Pollution Control Act (Ohio Revised Code Section 6111),

Mark Fuerst dba. Northern Ohio Multi Purpose

is authorized by the Ohio Environmental Protection Agency, hereinafter referred to as "Ohio EPA," to discharge from the Northern Ohio Multi Purpose wastewater treatment works located at 12428 SR 88, Garrettsville, Ohio, Portage County and discharging to Camp Creek in accordance with the conditions specified in Parts I, II, and III of this permit.

This permit is conditioned upon payment of applicable fees as required by Section 3745.11 of the Ohio Revised Code.

This permit and the authorization to discharge shall expire at midnight on the expiration date shown above. In order to receive authorization to discharge beyond the above date of expiration, the permittee shall submit such information and forms as are required by the Ohio EPA no later than 180 days prior to the above date of expiration.

Chris Korleski
Director

Total Pages: 23

Part I, A. - FINAL EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

1. During the period beginning on the effective date of this permit and lasting until the expiration date, the permittee is authorized to discharge in accordance with the following limitations and monitoring requirements from outfall 3IH00073001. See Part II, OTHER REQUIREMENTS, for locations of effluent sampling.

Table - Final Outfall - 001 - Final

Effluent Characteristic Parameter	Discharge Limitations							Monitoring Requirements		
	Concentration Specified Units		Loading* kg/day					Measuring Frequency	Sampling Type	Monitoring Months
	Maximum	Minimum	Weekly	Monthly	Daily	Weekly	Monthly			
00010 - Water Temperature - C	10.0	5.0	-	-	-	-	-	3/Week	Multiple Grab	Winter
00010 - Water Temperature - C	18.0	12.0	-	-	-	-	-	3/Week	Multiple Grab	Summer
00300 - Dissolved Oxygen - mg/l	-	6.0	-	-	-	-	-	3/Week	Multiple Grab	All
00400 - pH - S.U.	9.0	6.5	-	-	-	-	-	3/Week	Multiple Grab	All
00530 - Total Suspended Solids - mg/l	-	-	-	-	-	-	-	2/Week	Grab	All
00552 - Oil and Grease, Hexane Extr Method - mg/l	-	-	-	-	-	-	-	1/Month	Grab	All
00610 - Nitrogen, Ammonia (NH3) - mg/l	-	-	-	-	-	-	-	2/Week	Grab	All
00665 - Phosphorus, Total (P) - mg/l	-	-	1.5	1.0	-	-	-	2/Week	Grab	All
31616 - Fecal Coliform - #/100 ml	-	-	2000	1000	-	-	-	2/Week	Grab	Summer
50050 - Flow Rate - MGD	-	-	-	-	-	-	-	1/Day	Total Estimate	All
80082 - CBOD 5 day - mg/l	-	-	-	-	-	-	-	2/Week	Grab	All

Notes for Station Number 3IH00073001:

1. Sampling shall be performed when discharging. If NO DISCHARGE OCCURS DURING THE ENTIRE MONTH, report "AL" in the first column of the first day of the month on the 4500 Form (Monthly Operating Report). A signature is still required.
2. In the event wastewater other than treated domestic wastewater or farm field runoff is proposed to be discharged through this outfall, the permittee must submit to the Ohio EPA Northeast District Office, a request to modify this NPDES Permit which identifies the proposed wastestreams. Until such time as the request is approved, only treated domestic wastewater and farm field runoff shall be discharged through this outfall.

Part I, A. - FINAL EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

1. During the period beginning on the effective date of this permit and lasting until the expiration date, the permittee is authorized to discharge in accordance with the following limitations and monitoring requirements from outfall 3IH00073601. See Part II, OTHER REQUIREMENTS, for locations of effluent sampling.

Table - Internal Monitoring Station - 601 - Final

Effluent Characteristic Parameter	Discharge Limitations						Monitoring Requirements			
	Concentration Specified Units		Loading* kg/day			Measuring Frequency	Sampling Type	Monitoring Months		
	Maximum	Minimum	Weekly	Monthly	Daily				Weekly	Monthly
00010 - Water Temperature - C	-	-	-	-	-	-	-	1/Day	Grab	All
00300 - Dissolved Oxygen - mg/l	-	6.0	-	-	-	-	-	1/Day	Grab	All
00400 - pH - S.U.	9.0	6.5	-	-	-	-	-	1/Day	Grab	All
00530 - Total Suspended Solids - mg/l	18.0	-	-	12.0	23.8	-	15.9	2/Week	Composite	All
00552 - Oil and Grease, Hexane Extr Method - mg/l	10.0	-	-	10.0	13.2	-	13.2	1/Month	Grab	All
00610 - Nitrogen, Ammonia (NH3) - mg/l	4.0	-	-	4.0	5.3	-	5.3	2/Week	Composite	Winter
00610 - Nitrogen, Ammonia (NH3) - mg/l	1.0	-	-	1.0	1.32	-	1.32	2/Week	Composite	Summer
00630 - Nitrite Plus Nitrate, Total - mg/l	-	-	-	-	-	-	-	1/Month	Composite	All
00665 - Phosphorus, Total (P) - mg/l	1.5	-	-	1.0	1.99	-	1.32	2/Week	Composite	All
31616 - Fecal Coliform - #/100 ml	2000	-	-	1000	-	-	-	2/Week	Grab	Summer
50050 - Flow Rate - MGD	-	-	-	-	-	-	-	1/Day	Continuous	All
50060 - Chlorine, Total Residual - mg/l	0.019	-	-	-	-	-	-	2/Week	Grab	Summer
80082 - CBOD 5 day - mg/l	15.0	-	-	10.0	19.9	-	13.2	2/Week	Composite	All

Notes for station 3IH00073601:

1. Effluent loadings based on average design flow of 0.35 MGD.
2. Sampling shall be performed when discharging. If NO DISCHARGE OCCURS DURING THE ENTIRE MONTH, report "AL" in the first column of the first day of the month on the 4500 Form (Monthly Operating Report). A signature is still required.

3. In the event wastewater other than domestic wastewater is discharged to the wastewater treatment system, the permittee must submit to the Ohio EPA Northeast District Office, a request to modify this NPDES Permit which identifies the proposed wastestreams. Until such time as the request is approved, only domestic wastewater shall be discharged to the wastewater treatment system.
4. Total Residual Chlorine - See Part II, Item J.

Part I, B. - SLUDGE MONITORING REQUIREMENTS

1. Sludge Monitoring. During the period beginning on the effective date of this permit and lasting until the expiration date, the permittee shall monitor the treatment works' final sludge at Station Number 3IH00073581, and report to the Ohio EPA in accordance with the following table. See Part II, OTHER REQUIREMENTS, for location of sludge sampling.

Table - Sludge Monitoring - 581 - Final

Effluent Characteristic Parameter	Discharge Limitations						Monitoring Requirements			
	Concentration Specified Units		Loading* kg/day			Measuring Frequency	Sampling Type	Monitoring Months		
Maximum	Minimum	Weekly	Monthly	Daily	Weekly				Monthly	
00611 - Ammonia (NH3) In Sludge - mg/kg	-	-	-	-	-	-	-	2/Year	Composite	Semi-annual
00627 - Nitrogen Kjeldahl, Total In Sludge - mg/kg	-	-	-	-	-	-	-	2/Year	Composite	Semi-annual
00668 - Phosphorus, Total In Sludge - mg/kg	-	-	-	-	-	-	-	2/Year	Composite	Semi-annual
01003 - Arsenic, Total In Sludge - mg/kg	75.0	-	-	-	-	-	-	2/Year	Composite	Semi-annual
01028 - Cadmium, Total In Sludge - mg/kg	85.0	-	-	-	-	-	-	2/Year	Composite	Semi-annual
01043 - Copper, Total In Sludge - mg/kg	4300	-	-	-	-	-	-	2/Year	Composite	Semi-annual
01052 - Lead, Total In Sludge - mg/kg	840	-	-	-	-	-	-	2/Year	Composite	Semi-annual
01068 - Nickel, Total In Sludge - mg/kg	420	-	-	-	-	-	-	2/Year	Composite	Semi-annual
01093 - Zinc, Total In Sludge - mg/kg	7500	-	-	-	-	-	-	2/Year	Composite	Semi-annual
01148 - Selenium, Total In Sludge - mg/kg	100	-	-	-	-	-	-	2/Year	Composite	Semi-annual
51129 - Sludge Fee Weight - dry tons	-	-	-	-	-	-	-	2/Year	Total	Semi-annual
70316 - Sludge Weight - Dry Tons	-	-	-	-	-	-	-	2/Year	Total	Semi-annual
71921 - Mercury, Total In Sludge - mg/kg	57.0	-	-	-	-	-	-	2/Year	Composite	Semi-annual
78465 - Molybdenum In Sludge - mg/kg	75.0	-	-	-	-	-	-	2/Year	Composite	Semi-annual

NOTES for Station Number 3IH00073581:

1. Monitoring is required when sludge is removed from the wastewater treatment facility and disposed of by application to land. Monthly Operating Report Data (MOR) data shall be submitted in June and December. If no sludge is removed during the entire month, report "AL" in the first column of the first day of the month on the 4500 Form (Monthly Operating Report). A signature is still required.

2. Units of mg/kg are on a dry weight basis.
3. Sludge weight is a calculated total for the sampling period.

See Part II, Items K, L, M, N and P.

Part I, B. - SLUDGE MONITORING REQUIREMENTS

1. Sludge Monitoring. During the period beginning on the effective date of this permit and lasting until the expiration date, the permittee shall monitor the treatment works' final sludge at Station Number 3IH00073586, and report to the Ohio EPA in accordance with the following table. See Part II, OTHER REQUIREMENTS, for location of sludge sampling.

Table - Sludge Monitoring - 586 - Final

Effluent Characteristic Parameter	Discharge Limitations							Monitoring Requirements			
	Concentration Specified Units		Loading* kg/day					Measuring Frequency	Sampling Type	Monitoring Months	
	Maximum	Minimum	Weekly	Monthly	Daily	Weekly	Monthly				
51129 - Sludge Fee Weight - dry tons	-	-	-	-	-	-	-	-	1/Year	Total	December

NOTES for Station Number 3IH00073586:

- Monitoring is required when sludge is removed from the wastewater treatment facility and disposed in a mixed solid waste landfill. Monthly Operating Report (MOR) data shall be submitted in December. If no sludge is removed during the entire month, report "AL" in the first column of the first day of the month on the 4500 Form (Monthly Operating Report). A signature is still required.
- Sludge weight is a calculated total for the sampling period.

Part II, OTHER REQUIREMENTS

B. Classification of Wastewater Treatment Works

1. On the effective date of this permit, the classification for the treatment works regulated under NPDES permit 3IH00073*CD is Class III.
2. If this permit is modified before December 21, 2008 in order to change the classification or to reduce the minimum staffing requirements, the permittee shall be subject to all the requirements in paragraphs (B) and (C) of rule 3745-7-04 of the Ohio Administrative Code.
3. Minimum staffing requirements as specified in paragraph (C)(1) of rule 3745-7-04 of the Ohio Administrative Code may be reduced if the permittee submits and the Director of Ohio EPA approves an operating plan for the treatment works as part of an application for a staffing reduction. The application and operating plan shall be prepared in accordance with paragraph (C)(2)(b) of rule 3745-7-04 of the Ohio Administrative Code.

C. Description of the location of the required sampling stations are as follows:

Sampling Station	Description of Location
3IH00073001	Final effluent. Grassed wasterway prior to wetlands (Lat: 41N 20' 06"; Long: 81W 05' 45")
3IH00073581	Sludge when removed from the wastewater treatment plant and disposed by land application.
3IH00073586	Sludge when removed from the wastewater treatment plant and disposed by hauling to a permitted solid waste landfill.
3IH00073601	Internal monitoring station. Discharge from clarifier prior to release to aerated lagoon.

D. This permit shall be modified, or alternatively, revoked and reissued, to comply with any applicable effluent standard or limitation issued or approved under Sections 301(b)(2)(C) and (D), 304(b)(2), and 307(a)(2) of the Clean Water Act, if the effluent standard or limitation so issued or approved.

1. Contains different conditions or is otherwise more stringent than any effluent limitation in the permit; or
2. Controls any pollutant not limited in the permit.

The permit as modified or reissued under this paragraph shall also contain any other requirements of the Act then applicable.

E. All parameters, except flow, need not be monitored on days when the plant is not normally staffed (Saturdays, Sundays, and Holidays). On those days, report "AN" on the monthly report form.

F. Permit limitations may be revised in order to meet water quality standards after a stream use determination and waste load allocation are completed and approved. This permit may be modified, or alternatively, revoked and reissued, to comply with any applicable water quality effluent limitations.

G. Composite samples shall be comprised of a series of grab samples collected over a 24-hour period and proportionate in volume to the wastewater flow rate at the time of sampling. Such samples shall be collected at such times and locations, and in such a fashion, as to be representative of the facility's overall performance.

H. Grab samples shall be collected at such times and locations, and in such fashion, as to be representative of the facility's performance.

I. Multiple grab samples shall be comprised of at least three grab samples collected at intervals of at least three hours during the period that the plant is staffed on each day for sampling. Samples shall be collected at such times and locations, and in such fashion, as to be representative of the facility's overall performance. The critical value shall be reported.

J. The parameters below have had effluent limitations established that are below the Ohio EPA Quantification Level (OEPA QL) for the approved analytical procedure promulgated at 40 CFR 136. OEPA QLs may be expressed as Practical Quantification Levels (PQL) or Minimum Levels (ML).

Compliance with an effluent limit that is below the OEPA QL is determined in accordance with ORC Section 6111.13 and OAC Rule 3745-33-07(C). For maximum effluent limits, any value reported below the OEPA QL shall be considered in compliance with the effluent limit. For average effluent limits, compliance shall be determined by taking the arithmetic mean of values reported for a specified averaging period, using zero (0) for any value reported at a concentration less than the OEPA QL, and comparing that mean to the appropriate average effluent limit. An arithmetic mean that is less than or equal to the average effluent limit shall be considered in compliance with that limit.

The permittee must utilize the lowest available detection method currently approved under 40 CFR Part 136 for monitoring these parameters.

REPORTING:

All analytical results, even those below the OEPA QL (listed below), shall be reported. Analytical results are to be reported as follows:

1. Results above the QL: Report the analytical result for the parameter of concern.
2. Results above the MDL, but below the QL: Report the analytical result, even though it is below the QL.
3. Results below the MDL: Analytical results below the method detection limit shall be reported as "below detection" using the reporting code "AA".

The following table of quantification levels will be used to determine compliance with NPDES permit limits:

Parameter	PQL	ML
Chlorine, tot. res.	0.050 mg/l	--

This permit may be modified, or, alternatively, revoked and reissued, to include more stringent effluent limits or conditions if information generated as a result of the conditions of this permit indicate the presence of these pollutants in the discharge at levels above the water quality based effluent limit (WQBEL).

K. All disposal, use, storage, or treatment of sewage sludge by the Permittee shall comply with Chapter 6111. of the Ohio Revised Code, Chapter 3745-40 of the Ohio Administrative Code, any further requirements specified in this NPDES permit, and any other actions of the Director that pertain to the disposal, use, storage, or treatment of sewage sludge by the Permittee.

L. Sewage sludge composite samples shall consist of six to twelve grab samples collected at such times and locations, and in such fashion, as to be representative of the facilities sewage sludge.

M. No later than January 31 of each calendar year the Permittee shall submit two (2) copies of a report summarizing the sewage sludge disposal, use, storage, or treatment activities of the Permittee during the previous calendar year. One copy of the report shall be sent to the Ohio EPA, Division of Surface Water, P.O. Box 1049, Columbus, Ohio 43216-1049, and one copy of the report shall be sent to the appropriate Ohio EPA District Office. The report shall be submitted on Ohio EPA Form 4229.

N. Each day when sewage sludge is removed from the wastewater treatment plant for use or disposal a representative composite sample of sewage sludge shall be collected and monitored for total solids. Results of the monitoring shall be used to calculate the total Sewage Sludge Weight (Monthly Operating Report code 70316) and total Sewage Sludge Fee Weight (Monthly Operating Report code 51129) for the reporting period specified by this NPDES permit. The results of the daily monitoring, and the weight calculations, shall be maintained on site for a minimum of five years. The test methodology used shall be Part 2540 G of Standard Methods for the Examination of Water and Wastewater, 18th Edition, 1992. To convert from gallons of liquid sewage sludge to dry tons of sewage sludge: dry tons = gallons x 8.34 (lbs/gallon) x 0.0005 (tons/lb) x decimal fraction total solids.

O. Not later than 4 months from the effective date of this permit, the permittee shall post a permanent marker on the stream bank at each outfall that is regulated under this NPDES permit. This includes final outfalls, bypasses, and combined sewer overflows. The marker shall consist at a minimum of the name of the establishment to which the permit was issued, the Ohio EPA permit number, and the outfall number and a contact telephone number. The information shall be printed in letters not less than two inches in height. The marker shall be a minimum of 2 feet by 2 feet and shall be a minimum of 3 feet above ground level. The sign shall be not be obstructed such that persons in boats or persons swimming on the river or someone fishing or walking along the shore cannot read the sign. Vegetation shall be periodically removed to keep the sign visible. If the outfall is normally submerged the sign shall indicate that. If the outfall is a combined sewer outfall, the sign shall indicate that untreated human sewage may be discharged from the outfall during wet weather and that harmful bacteria may be present in the water

P. The permittee must receive approval of land application fields from Ohio EPA prior to the application of sludge.

A. Operator of Record

The permittee shall designate one or more operator of record to oversee the technical operation of the sewerage system and/or treatment works in accordance with paragraph (A)(2) of rule 3745-7-02 of the Ohio Administrative Code.

1. Within three days of a change in the operator of record, the permittee shall notify the Director of Ohio EPA of any such change on a form acceptable to Ohio EPA.
2. Each operator of record shall have a valid certification of a class equal to or greater than the classification of the treatment works as defined in Part II, Item B.1. of this NPDES permit.