

Application No. OH0079197

Issue Date: May 1, 2007

Effective Date: June 1, 2007

Expiration Date: May 31, 2012

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),

Northwestern Water and Sewer District

is authorized by the Ohio Environmental Protection Agency, hereinafter referred to as "Ohio EPA," to discharge from the Country Manor Estates wastewater treatment works located at Hull Prairie Rd., Bowling Green, Ohio, Wood County and discharging to Hull Prairie Ditch 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

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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 the following outfall: 2PG00096001. 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	-	-	-	-	-	-	-	1/Week	Grab	All
00300 - Dissolved Oxygen - mg/l	-	6.0	-	-	-	-	-	1/Week	Grab	All
00400 - pH - S.U.	9.0	6.5	-	-	-	-	-	1 / 2 Weeks	Grab	All
00530 - Total Suspended Solids - mg/l	-	-	18	12	-	1.36	0.91	1/Month	Grab	All
00610 - Nitrogen, Ammonia (NH3) - mg/l	-	-	6.0	4.0	-	0.45	0.3	1/Month	Grab	Winter
00610 - Nitrogen, Ammonia (NH3) - mg/l	-	-	2.25	1.5	-	0.17	0.11	1/Month	Grab	Summer
31616 - Fecal Coliform - #/100 ml	-	-	2000	1000	-	-	-	1/Month	Grab	Summer
50050 - Flow Rate - MGD	-	-	-	-	-	-	-	1/Day	Total	All
80082 - CBOD 5 day - mg/l	-	-	15	10	-	1.14	0.76	1/Month	Grab	All

Notes for station 2PG00096001:

* Effluent loadings based on average design flow of 0.02 MGD.

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 2PG00096586, 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 2PG00096586:

* Monitoring is required when sludge is removed from the Permittee's facility for disposal in a mixed solid waste landfill. Monthly Operating Report (MOR) data shall be submitted in December. If no sewage sludge is removed from the Permittee's facility during the reporting period, report "AL" in the first column of the first day of on the 4500 Form. A signature is still required.

- Sludge weight is a calculated total for the sampling period.

- See Part II, Items I, J, and K.

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 2PG00096588, 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 - 588 - 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
70316 - Sludge Weight - Dry Tons	-	-	-	-	-	-	-	1/Year	Total	December
70318 - Sludge Solids, Percent Total - %	-	-	-	-	-	-	-	1/Year	Total	December

NOTES for Station Number 2PG00096588:

* Monitoring is required when sewage sludge is removed from the permittee's facility for transfer to a publicly owned treatment works. Monthly Operating Report (MOR) data shall be submitted in December. The total for the entire calendar year shall be reported in the data area for the first day of December. If no sewage sludge is removed from the permittee's facility during the calendar year, report "AL" in the first column of the first day in December on the 4500 Form. A signature is still required.

- Sludge weight is a calculated total for the sampling period.

- See Part II, Items I, J, and K.

Part II, Other Requirements

A. The wastewater treatment works must be under supervision of a Class I State certified operator as required by rule 3745-7- 02 of the Ohio Administrative Code.

B. The plant must be staffed and operated in accordance with the Ohio EPA approved Operation and Maintenance Manual.

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

Sampling Station	Description of Location
2PG00096001	Final effluent (Lat: 41N 25' 48"; Long: 83W 40' 30")
2PG00096586	sludge disposed of in a landfill
2PG00096588	sludge hauled to another NPDES permit holder

D. 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.

E. The permittee shall maintain in good working order and operate as efficiently as possible the "treatment works" and "sewerage system" as defined in ORC 6111.01 to achieve compliance with the terms and conditions of this permit and to prevent discharges to the waters of the state, surface of the ground, basements, homes, buildings, etc.

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

G. POTWs that accept hazardous wastes by truck, rail, or dedicated pipeline are considered to be hazardous waste treatment, storage, and disposal facilities (TSDFs) and are subject to regulation under the Resource Conservation and Recovery Act (RCRA). Under the "permit-by-rule" regulation found at 40 CFR 270.60(c), a POTW must:

- 1) comply with all conditions of its NPDES permit,
- 2) obtain a RCRA ID number and comply with certain manifest and reporting requirements under RCRA,
- 3) satisfy corrective action requirements, and
- 4) meet all federal, state, and local pretreatment requirements.

H. Final permit limitations based on preliminary or approved waste load allocations are subject to change based on modifications to or finalization of the allocation or report or changes to Water Quality Standards. Monitoring requirements and/or special conditions of this permit are subject to change based on regulatory or policy changes.

I. 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.

J. 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.

K. 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: $\text{dry tons} = \text{gallons} \times 8.34 \text{ (lbs/gallon)} \times 0.0005 \text{ (tons/lb)} \times \text{decimal fraction total solids}$.