



John R. Kasich, Governor
Mary Taylor, Lt. Governor
Scott J. Nally, Director

Re: Erie County
Edgewater Estates
NPDES Permit

November 7, 2012

Mr. Robert Chapman, Owner
Edgewater Estates MHP
7507 Wahl Road
Vickery, Ohio 43464

Dear Mr. Chapman:

On October 24, 2012, an inspection was made of the Edgewater Estates wastewater treatment plant (WWTP). In general, both operation and maintenance appeared good. At the time of my visit, all major treatment components were in operation and a clear final effluent was observed in the contact tank prior to discharging into Lake Erie.

Your National Pollutant Discharge Elimination System (NPDES) permit was recently renewed, effective May 1, 2012. Please note the Schedule of Compliance that was included to address past operational issues due to excessive clean water entering the collection system. The first milestone due November 1, 2013, is an investigation of the collection system to identify sources of clean water infiltration and inflow (I/I). A copy of the schedule is enclosed for your review.

NPDES permit monthly discharge monitoring reports are being received in a timely manner, and thus far permit violations have been limited to only two minor bacteria exceedances this season. I appreciate your efforts to address past operational problems.

Please find enclosed my completed inspection report. If you have any questions, please call me at (419) 373-3020 or email at rick.zuzik@epa.state.oh.us.

Sincerely,

Richard A. Zuzik, MSE
Division of Surface Water

/jlm

Enclosures

pc: Eastwood Environmental
Erie County Health Department
ec: Tracking

Application No. OH0119601

RECEIVED

Issue Date: April 6, 2012

APR 09 2012

Effective Date: May 1, 2012

OHIO E.P.A.
N.W.D.O.

Expiration Date: April 30, 2017

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),

Mr. Robert Chapman Jr., dba
Edgewater Estates MHP

is authorized by the Ohio Environmental Protection Agency, hereinafter referred to as "Ohio EPA," to discharge from the wastewater treatment works located at 7507 Wahl Road, Vickery, Ohio, Erie County and discharging to Sandusky Bay 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.



Scott J. Nally
Director

Total Pages: 21

Part I, C - Schedule of Compliance

Sanitary Wastewater Collection System Improvement Schedule

Excessive clean water entering the sanitary sewer collection system has been identified as contributing to wastewater treatment plant operational problems, as well as final effluent loading and concentration violations of this NPDES permit.

1. Within 18 Months of the effective date of this permit, the permittee shall conduct an investigation of the sanitary sewer collection system, including manholes, to identify sources of excessive clean water infiltration and inflow. (I/I) (21599)
2. Within 24 Months of the effective date of this permit, the permittee shall submit a summary report to the Ohio EPA, Northwest District Office for review. The report shall include specific recommendations to remove excessive clean water I/I, and annual projects based on a three year implementation schedule. (95999)
3. All recommended improvements shall be completed within 60 Months, the expiration date of this permit.

Written status reports shall be submitted on an annual basis to the Ohio EPA, Northwest District Office beginning 36 months from the effective date of this permit. Items shall include completed and current improvement projects required in Item 2. Reports shall be submitted:

- a. 48 Months from the effective date of this permit.
- b. 60 Months from the effective date of this permit.

OHIO ENVIRONMENTAL PROTECTION AGENCY
 OPERATION AND MAINTENANCE INSPECTION
 WWTP'S LESS THAN 150,000 GPD

NPDES Permit No. 2PR00097*ED

Facility Name Edgewater Estates MHP Expiration Date 4-30-17
 Facility Location 7507 Wahl Rd Date 10-24-12 Time 10⁰⁰ (am/pm)
 City - County Erie Township Margaretta
 Name of Owner Robert Chapman Owner Phone (419) 684-5355
 Person Contacted - Operator of Record Eastwood Env.
 Flow: Design 26,000 GPD WWTP Classification: ✓ A or 1
 Trib. Pop. 53 lots (actual - estimated) Weather at time of inspection: Temp 70° Clear
 OEPA Personnel Bick Zuzik District NWDO

1. Plant Effluent - Mark Severity No.

No.	Severity Description	Turbidity	Odor	Color
<u>0</u>	None	<u>✓</u> Clear	None	Colorless
1	Mild			
2	Moderate	Light Solids	Musty	Grey
3	Serious			
4	Extreme	Heavy Solids	Septic	Black

2. Effect of Effluent on Receiving Stream - Name: Lake Erie/Sandusky Bay

<u>✓</u>	None	Mild	Moderate	Serious
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3. a. Plant has _____ excellent ✓ good _____ fair _____ poor operation
 b. Plant has _____ excellent ✓ good _____ fair _____ poor maintenance
 c. Sand filters have _____ excellent _____ good ✓ fair _____ poor maintenance- N/A

Not operating at expected efficiency due to:

- (1) _____ hydraulic overload
 (2) _____ organic/solids overload
 (3) _____ personnel inefficiency
 (4) _____ equipment failure
 (5) _____ wastes
 (6) _____

Disinfection: (Required May 1 thru Oct. 31)	
IN	OUT
<u>✓</u>	_____
_____	_____
_____	_____
	Chlorination Tablets Dechlorination Tablets Ultraviolet (U.V.)

Yes ✓ No

4. ✓ Compliance with NPDES Permit - Time Period: 1-1-12 to 10-28-12

Periodic Violations Y N Parameters: 2 bacteria
 Chronic Violations _____

5. ✓ O & M logbook kept and available on site: Location _____

6. ✓ Staffing Requirement Met (Class A - 2 days per week for minimum 1 hour per week)
 (Class I - 3 days per week for minimum 1.5 hours per week)

7. ✓ Adequate Plant Safety: Deficiencies No fence ground sand filters

Facility Name: Edgewater Estates MHP

Process	# Units	Unit	If Needed - Description and Comments
Preliminary	1	Trash Trap	Pumping Frequency
		Grease Trap	Pumping Frequency
		Bar Screen	
		Comminutor	
	1	Flow Equalization	IN
Aeration Equipment		Plant Timer <input checked="" type="checkbox"/> Y <input type="checkbox"/> N	Cycle Time:
	2	Motor / Blower Unit	
Secondary Treatment	3	Aeration Tank	Color: <u>Brown</u> Adequate Aeration Y <input checked="" type="checkbox"/> N
Final Settling	2	Clarifier	<u>Good settling</u>
	2	Sludge Return	In <input checked="" type="checkbox"/> Out
	2	Surface Skimmer	In <input checked="" type="checkbox"/> Out
	1	Fixed Media Clarifier	IN
Tertiary Treatment	2	Surface Sand Filter	OK
		Polishing Pond	
		Other	
Disinfection	1	Contact Tank	<u>Clear</u>
	1	Chlorine Tube Feeder	IN
	1	Dechlorination Tube Feeder	IN
		Ultraviolet (UV)	
Flow Metering		Elapsed Pump Time	
		Recorder (continuous total)	
Pumps	2	Raw Wastewater (type)	
	2	Sand Filter Effluent Dosing	
Sludge Handling	1	Aerated Storage Tank	
		Sludge Drying Bed	
Sludge Disposal	<input checked="" type="checkbox"/>	Municipal POTW	
		Landfill	
		Land Application	
Advanced Treatment	<input checked="" type="checkbox"/>	Post Aeration	IN
		Spray Irrigation	
		Other	