



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

Re: Ottawa County
Middle Bass Island
Lake Erie Utilities
NPDES Permit

October 15, 2012

Mr. James Arvin, President
Lake Erie Utilities Company
P.O. Box 29
Middle Bass Island, Ohio 43446

Dear Mr. Arvin:

On September 12, 2012, an inspection was made of the Lake Erie Utilities wastewater treatment facilities. I was disappointed with the condition of both facilities. My findings with pictures documenting the conditions were emailed to you and Christina Douglas-Faith of UniTech the next day. My observations at the time of the inspection and updated information are as follows:

New Plant – I found the sludge returns out of operation and being “back flushed”, meaning the return line valve was closed, forcing air downward, aerating the clarifier. The rebuilt PVC surface skimmers were atop the clarifiers and have yet to be reinstalled. I was informed that the sludge return lines were returned to service; however, I am awaiting verification of the skimmers being reinstalled.

Old Plant – This facility is receiving flow; however, the clarifier continues to be completely out of operation. The sludge flight collection system remains out of service and a very thick scum mat has accumulated on the surface. The condition of this plant is unacceptable.

Despite the operational issues, I observed a clear effluent in the contact tank prior to discharging to the lagoon. This may have been due to the effectiveness of the surface sand filters, which were recently cleaned.

On September 24, 2012, I received an email informing me of corrective actions and pictures documenting the work. The clarifier on the old plant has finally been returned to service. The flight collector was rebuilt and the clarifier cleaned and pumped out of concentrated solids, allowing the sludge returns to properly operate. The “back flushing” issue on the new plant was corrected, and surface skimmers were reinstalled in the clarifiers.

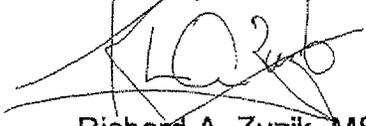
Mr. James Arvin
October 15, 2012
Page Two

I appreciate the corrective actions; however, I remain concerned on how facility conditions were allowed to deteriorate. It is imperative that adequate support is provided to properly operate and maintain this facility. We recently received your request to modify your National Pollutant Discharge Elimination System (NPDES) permit to allow less oversight during the winter, since very few members are year round occupants. The request is still under consideration and you will be notified of our decision in the near future.

NPDES discharge monitoring reports are being received in a timely manner. A review of this year indicated periodic effluent violations thus far this season. Also enclosed is a copy of Chlorine Residual frequency reporting violations for the month of August. Please review these violations with your operator in order to implement corrective actions.

Enclosed is our 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: Uni- Tech Environmental
Ottawa County Health Department

ec: Tracking

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

NPDES Permit No. 2PR00057

Facility Name Lake Erie Utilities Expiration Date 12-31-15
 Facility Location Pleasant Place & Lake Rd Date 9-12-12 Time _____ am/pm
 City Middle Bass Island County Ottawa Township PIB
 Name of Owner LEU, Jim Arvin, Pres Owner Phone (330) 606-3723
 Person Contacted _____ Operator of Record Um Tech
 Flow: Design _____ GPD WWTP Classification: A or 1
 Trib. Pop. 125 homes, MBI State Park (actual - estimated) Weather at time of inspection: Temp _____ °
 OEPA Personnel Rick Zuzik District NWDO

1. Plant Effluent - Mark Severity No.

No.	Severity Description	Turbidity	Odor	Color
0	None	<input checked="" type="checkbox"/> Clear	<input checked="" type="checkbox"/> None	<input checked="" type="checkbox"/> Colorless
<input checked="" type="checkbox"/> 1	Mild			
2	Moderate	Light Solids	Musty	Grey
3	Serious			
4	Extreme	Heavy Solids	Septic	Black

2. Effect of Effluent on Receiving Stream - Name: Lagoon to L. Erie

<input checked="" type="checkbox"/> None	<input type="checkbox"/> Mild	<input type="checkbox"/> Moderate	<input type="checkbox"/> Serious
--	-------------------------------	-----------------------------------	----------------------------------

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) old Plant Clarifier - Out of Service

Disinfection: (Required May 1 thru Oct. 31)		
IN	OUT	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Chlorination Tablets
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Dechlorination Tablets
<input type="checkbox"/>	<input type="checkbox"/>	Ultraviolet (U.V.)

Yes No

4. Compliance with NPDES Permit - Time Period: 1-1-12 to 8-28-12

Periodic Violations N Parameters: TSS, Ammonia, Bacteria

Chronic Violations _____

5. O & M logbook kept and available on site: Location Blower House

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 _____

Facility Name: LEU

Process	# Units	Unit	If Needed - Description and Comments
Preliminary	1	Trash Trap	Pumping Frequency
		Grease Trap	Pumping Frequency
		Bar Screen	
		Comminutor	
	1	Flow Equalization / <i>Flow Splitter</i>	<i>IN</i>
Aeration Equipment		Plant Timer <u> </u> Y <u> </u> N	Cycle Time:
		Motor / Blower Unit	
Secondary Treatment		Aeration Tank	Color: Adequate Aeration Y <u> </u> N <u> </u>
Final Settling 2 Plants 30,000 - OLD 32,000 - New	}	Clarifier	OLD Plant Clarifier - OUT OF SERVICE
		Sludge Return	In <u> </u> Out <input checked="" type="checkbox"/> <i>New Plant - "Backflushing"</i>
		Surface Skimmer	In <u> </u> Out <input checked="" type="checkbox"/> (<i>New Plant</i>)
		Fixed Media Clarifier	
Tertiary Treatment	4	Surface Sand Filter	<i>Recently cleaned</i>
		Polishing Pond	
		Other	
Disinfection	1	Contact Tank	<i>clear</i>
	1	Chlorine Tube Feeder	<i>IN</i>
	1	Dechlorination Tube Feeder	<i>IN</i>
		Ultraviolet (UV)	
Flow Metering		Elapsed Pump Time	
		Recorder (continuous total)	
Pumps		Raw Wastewater (type)	
		Sand Filter Effluent Dosing	
Sludge Handling	<input checked="" type="checkbox"/>	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	<i>IN</i>
		Spray Irrigation	
		Other	

Get New Data

Permit No	Reporting Period	Station	Reporting Code	Parameter	Limit Type	Limit	Reported Value	Violation Date
2PR00057*FD	June 2012	001	00530	Total Suspended Solids	30D Conc	12.0	15.	6/1/2012
2PR00057*FD	June 2012	001	31648	E. coli	30D Conc	126	2700.	6/1/2012
2PR00057*FD	June 2012	001	31648	E. coli	7D Conc	284	2700.	6/22/2012
2PR00057*FD	July 2012	001	00530	Total Suspended Solids	30D Conc	12.0	12.25	7/1/2012
2PR00057*FD	July 2012	001	00530	Total Suspended Solids	7D Conc	18.0	28.	7/22/2012
2PR00057*FD	August 2012	001	00610	Nitrogen, Ammonia (NH3)	30D Conc	1.0	1.765	8/1/2012
2PR00057*FD	August 2012	001	00610	Nitrogen, Ammonia (NH3)	7D Conc	1.5	3.08	8/22/2012



**Environmental
Protection Agency**

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

September 25, 2012

Lake Erie Utilities Burgandy Bay Subdiv
767 Pleasant Pl
Middle Bass Island, OH 43446

Dear Permittee:

A Preliminary Compliance Review was conducted on your Discharge Monitoring Report (DMR) submitted on September 24, 2012. As detailed at the end of this letter, screening of your submitted DMR has identified possible compliance issues. Please review the information and take the appropriate action:

- If you believe the identified compliance issues are in error based on your understanding of your NPDES permit conditions, contact your Ohio EPA District Representative, Rick Zuzik, at 1-800-686-6930 or Rick.Zuzik@epa.state.oh.us
- Part III-12 of your NPDES permit requires that you submit an email or a letter of explanation outlining the actions you have taken or are taking to correct certain instances of non-compliance. If you have not already done so, please submit the email or letter to your Ohio EPA District representative at the following address:
Rick Zuzik
Ohio EPA - Northwest District Office
347 N. Dunbridge Road
Bowling Green, Ohio
1-800-686-6930 or Rick.Zuzik@epa.state.oh.us
- The following web address contains useful eDMR submission information including definitions of limit violations, non-numeric violations, frequency violations, calculation of average concentrations, and correct A-code use:
<http://www.epa.ohio.gov/dsw/edmr/eDMR.aspx>

Sincerely,

Ed Swindall
ed.swindall@epa.state.oh.us
Supervisor, Permits Compliance Unit
Ohio EPA, Division of Surface Water

Environmental Protection Agency

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

Preliminary Compliance Report

Facility: Lake Erie Utilities Burgandy Bay Subdiv

Permit No.: 2PR00057*FD

Report Period: August 2012

Date Received: 9/24/2012

Station	Type	Date	Reporting Code	Parameter	Limit Type	Permit Limit	Reported Value
001	Limit	8/1/2012	00610	Nitrogen, Ammonia (NH3)	Monthly Conc.	1.0	1.765
001	Limit	8/22/2012	00610	Nitrogen, Ammonia (NH3)	Weekly Conc.	1.5	3.08
001	Freq	8/1/2012	50060	Chlorine, Total Residual	1/Day	1	0
001	Freq	8/3/2012	50060	Chlorine, Total Residual	1/Day	1	0
001	Freq	8/4/2012	50060	Chlorine, Total Residual	1/Day	1	0
001	Freq	8/5/2012	50060	Chlorine, Total Residual	1/Day	1	0
001	Freq	8/6/2012	50060	Chlorine, Total Residual	1/Day	1	0
001	Freq	8/7/2012	50060	Chlorine, Total Residual	1/Day	1	0
001	Freq	8/29/2012	50060	Chlorine, Total Residual	1/Day	1	0
001	Freq	8/30/2012	50060	Chlorine, Total Residual	1/Day	1	0
001	Freq	8/31/2012	50060	Chlorine, Total Residual	1/Day	1	0
001	Freq	8/22/2012	50060	Chlorine, Total Residual	1/Day	1	0
001	Freq	8/23/2012	50060	Chlorine, Total Residual	1/Day	1	0
001	Freq	8/24/2012	50060	Chlorine, Total Residual	1/Day	1	0
001	Freq	8/25/2012	50060	Chlorine, Total Residual	1/Day	1	0
001	Freq	8/26/2012	50060	Chlorine, Total Residual	1/Day	1	0
001	Freq	8/28/2012	50060	Chlorine, Total Residual	1/Day	1	0
001	Freq	8/15/2012	50060	Chlorine, Total Residual	1/Day	1	0
001	Freq	8/16/2012	50060	Chlorine, Total Residual	1/Day	1	0
001	Freq	8/17/2012	50060	Chlorine, Total Residual	1/Day	1	0
001	Freq	8/18/2012	50060	Chlorine, Total Residual	1/Day	1	0
001	Freq	8/19/2012	50060	Chlorine, Total Residual	1/Day	1	0
001	Freq	8/20/2012	50060	Chlorine, Total Residual	1/Day	1	0
001	Freq	8/9/2012	50060	Chlorine, Total Residual	1/Day	1	0
001	Freq	8/10/2012	50060	Chlorine, Total Residual	1/Day	1	0
001	Freq	8/11/2012	50060	Chlorine, Total Residual	1/Day	1	0
001	Freq	8/12/2012	50060	Chlorine, Total Residual	1/Day	1	0
001	Freq	8/13/2012	50060	Chlorine, Total Residual	1/Day	1	0
001	Freq	8/14/2012	50060	Chlorine, Total Residual	1/Day	1	0