



**Environmental
Protection Agency**

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

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

June 12, 2012

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

Dear Mr. Arvin:

On May 30, 2012, an inspection was made of the Lake Erie Utilities wastewater treatment facilities. At the time of my visit, a clear final effluent was observed being discharged to the lagoon. The plant is now under the supervision of Uni-Tech Environmental. My comments and recommendations on the individual plants are as follows:

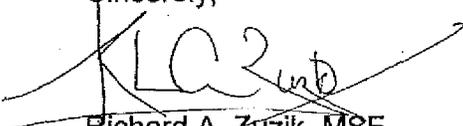
New Plant – All major treatment components were in service; however, I found the surface skimmers and piping atop the clarifiers. I spoke to Christina Douglas-Faith of Uni-Tech, who informed me they would be replaced. One of the surface sand filters was heavily weeded and should be cleaned. Disinfection and dechlorination tablets were present in the tube feeders.

Old Plant – This facility appeared to be out of operation. Please inform me of plans to return it to service.

Your National Pollutant Discharge Elimination System (NPDES) permit includes new operator certification rules that require visits three times/week for this size plant and record keeping requirements in the form of a logbook must be kept on-site for Ohio EPA review.

Monthly discharge monitoring reports are being received and indicated only two violations in July and November for the entire year of 2011. The facility has remained in compliance thus far this year. 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

Enclosure

pc: Uni- Tech Environmental
Ottawa County Health Department
ec: Tracking

OHIO ENVIRONMENTAL PROTECTION AGENCY
OPERATION AND MAINTENANCE INSPECTION

NPDES Permit No. 2PR00057
 Facility Name Lake Erie Utilities Expiration Date 12-31-15
 Facility Address Pleasant Place & Lake Rd Date 5-30-12 Time 1:30 am (pm)
 City Middle Bass Island County Ottawa Township PIB
 Name and Address of Owner LEU, Jim Arvin, Pres
 Person Contacted none Owner Phone (330) 606-3723
 Flow: Design 62,000 GPD Present _____ GPD (metered - estimated)
 Trib. Pop. 125 homes/MBI State Park (actual - estimated) Weather at time of inspection: Temp 70° Clear
 OEPA Personnel Rick Zuzik District NWDO

1. Plant Effluent - Mark Severity No.

No.	Severity Description	No.	Turbidity	No.	Odor	No.	Color
<u>0</u>	None		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: Lagoon → L Erie

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

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

d. 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 -
OUT OF SERVICE

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

Yes No (1/11 - 5/12)
 4. ✓ Compliance with NPDES Permit

Periodic Violations ✓ N _____ Parameters: NH₃, TSS
 Chronic Violations _____

5. ✓ Adequate plant safety

6. ✓ Operation and Maintenance Service Name Uni-Tech Env.

Frequency of Visits Class 1, 3x/wk

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: <i>Brown</i> <i>old plant</i> Adequate Aeration: Y <input checked="" type="checkbox"/> N <input type="checkbox"/> <i>OUT OF SERVICE</i>
Final Settling <i>2 plants</i> <i>30,000 GPD - old</i> <i>32,000 GPD - New</i>		Clarifier	<i>Duckweed covered</i> <i>SKIMMERS - OUT OF SERVICE</i>
		Sludge Return	In Out
		Surface Skimmer	In Out <input checked="" type="checkbox"/> <i>atop clarifier</i>
		Fixed Media Clarifier	
Tertiary Treatment	<i>A</i>	Surface Sand Filter	<i>1 heavily weeded</i>
		Polishing Pond	
		Other	
Disinfection	1	Contact Tank	
	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	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	<i>IN; clear</i>
		Spray Irrigation	
		Other	