



**Environmental
Protection Agency**

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

Re: Ottawa County
Fenwick Marina
NPDES Permit

July 13, 2012

Ms. Cathy Gradel
Fenwick Marina
10195 West State Route 2
Oak Harbor, Ohio 43449

Dear Ms. Gradel:

On June 27, 2012, an inspection was made of the wastewater treatment facilities serving Fenwick Marina. In general, both operation and maintenance appeared good. At the time of my visit, all major treatment components were in operation, and a clear effluent was observed in the chlorine contact tank. The chlorination tablets should be replaced with fresh ones, and dechlorination tablets need to be added to the tube feeder.

National Pollutant Discharge Elimination System (NPDES) permit discharge monitoring reports are being submitted in a timely manner and indicate compliance thus far this season, with the exception of one chlorine residual violation in May.

Your NPDES permit now includes references to the new operator certification rules that require visits two days/week for a minimum of 1.0 hour/ week. You obtained a Class A operator's license and are designated as the Operator of Record. Documentation in the form of a logbook must be kept on-site for Ohio EPA review. I did not see a logbook at the plant. Please inform this office if the logbook is being kept at an alternate site, or of your intention to comply with this requirement.

My inspection report is enclosed. If there are any errors, or 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: Ottawa County Health Department

ec: Tracking

OHIO ENVIRONMENTAL PROTECTION AGENCY

OPERATION AND MAINTENANCE INSPECTION
 WWTP'S LESS THAN 25,000 GPD

NPDES Permit No. 2PR00130
 Facility Name Fennick Marina Expiration Date 11-30-15
 Facility Address 10195 W. SR 2 Date 6-27-12 Time 2:00 am pm
 City _____ County Ottawa Township Carroll
 Name and Address of Owner John Gradel
 Person Contacted none Owner Phone (919) 898-7009
 Flow: Design 15,000 GPD Present _____ GPD (metered - estimated)
 Trib. Pop. Marina/Campground (actual - estimated) Weather at time of inspection: Temp 80° Clear
 OEPA Personnel Rick Zuzik District NWDD

1. Plant Effluent - Mark Severity No. — In Cl² contact tank

| 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: Turtle Creek - No Discharge A70V

| No. | Severity Description | No. | Turbidity | No. | Odor | No. | Color |
|-----|----------------------|-----|--------------|-----|--------|-----|-----------|
| 0 | 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) _____

| | |
|---|--------------------------------------|
| Disinfection: (Required May 1 thru Oct.31.) | |
| IN <input checked="" type="checkbox"/> | OUT _____ |
| _____ | Chlorination Tablets <u>old Tabs</u> |
| _____ <input checked="" type="checkbox"/> | Dechlorination Tablets |
| _____ | U.V. |

4. Yes No 1/2 - 6/12
 Compliance with NPDES Permit

Periodic Violations Y N 1 Parameters: chl residual
 Chronic Violations _____

5. Adequate plant safety
 6. Operation and Maintenance Service

Name Jones & Henry - Lab Work
Cathy Gradel, Class A
 Frequency of Visits 2x/week

Facility Name:

Fenwick Marina

| Process | # Units | Unit | If Needed - Description and Comments |
|---------------------|---------|--|---|
| Preliminary | 1 | Trash Trap | Pumping Frequency: |
| | | Grease Trap | Pumping Frequency: |
| | | Bar Screen | |
| | | Comminutor | |
| Aeration Equipment | 1 | Flow Equalization | IN |
| | | Plant Timer <input checked="" type="checkbox"/> Y <input type="checkbox"/> N | Cycle Time: |
| Secondary Treatment | 2 | Motor/ Blower Unit | |
| | | Aeration Tank | Color: <i>light Brown - dilute</i> Adequate Aeration: Y <input checked="" type="checkbox"/> N <input type="checkbox"/> |
| Final Settling | 2 | Clarifier | <i>Brown scum covered</i> <i>Turbid</i> |
| | 1 | Sludge Return | In <input checked="" type="checkbox"/> Out |
| | 1 | Surface Skimmer | In Out <input checked="" type="checkbox"/> <i>Not used</i> |
| | | Fixed Media Clarifier | |
| Tertiary Treatment | 2 | Surface Sand Filter | <i>Minimal weeds</i> |
| | | Polishing Pond | |
| | | Other | |
| Disinfection | 1 | Contact Tank | <i>Clear effluent</i> |
| | 1 | Chlorine Tube Feeder | <i>In - Provide fresh tabs</i> |
| | 1 | Dechlorination Tube Feeder | <i>Out - NO TABS</i> |
| | | Ultraviolet (UV) | |
| Flow Metering | | Elapsed Pump Time | |
| | | Recorder (continuous total) | |
| Pumps | | Raw Wastewater (type) | |
| | | Sand Filter Effluent Dosing | |
| Sludge Handling | | Aerated Storage Tank | |
| | | Sludge Drying Bed | |
| Sludge Disposal | | Municipal POTW | |
| | | Landfill | |
| | | Land Application | |
| Advanced Treatment | | Post Aeration | |
| | | Spray Irrigation | |
| | | Other | |