



**Environmental
Protection Agency**

Ted Strickland, Governor
Lee Fisher, Lt. Governor
Chris Korteski, Director

Re: Ottawa County
Johnny's Resort
NPDES Permit

August 17, 2010

Mr. Jim Livingston, Owner
Johnny's Resort and Recreational Camp
P.O. Box 413
Port Clinton, Ohio 43452

Dear Mr. Livingston:

On July 19, 2010, an inspection was made of the wastewater treatment plant serving Johnny's Resort. At the time of my visit all major treatment components were in operation and a clear final effluent was observed being discharged from the plant. New fencing was provided around the sand filters and I was told by John, your on site maintenance person that the main pump station is to be rebuilt.

NPDES permit monthly discharge monitoring reports are being received and a review indicates improved compliance, with only periodic violations since my last inspection in August 2009. A summary of the violations is enclosed to review with your operator.

Enclosed is a copy of our inspection report. If you have any questions, or feel a meeting is necessary, 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

/lb

pc: ~~NWDO file~~
Ottawa County HD
Ann Scott, IFM

OHIO ENVIRONMENTAL PROTECTION AGENCY

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

NPDES Permit No. 2PR00150

Facility Name Johnny's Resort Expiration Date 7-31-11

Facility Address 550 S. Shaw Rd. Date 7-19-10 Time 12²⁰ am KPM

City - County Ottawa Township Bay

Name and Address of Owner Jim Livingston

Person Contacted NONE Owner Phone (919) 734-6566

Flow: Design 12,500 GPD Present GPD (metered - estimated)

Trib. Pop. 170 bts (actual - estimated) Weather at time of inspection: Temp 80° cloudy

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 | | <u>Clear</u> | | <u>None</u> | | <u>Colorless</u> |
| 1 | Mild | | | | | | |
| 2 | Moderate | | Light Solids | | Musty | | Grey |
| 3 | Serious | | | | | | |
| 4 | Extreme | | Heavy Solids | | Septic | | Black |

2. Effect of effluent on Receiving Stream Name: Portage River - Not Observed

| 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 | OUT |
| <u>✓</u> | <u> </u> |
| <u> </u> | <u> </u> |
| <u> </u> | <u> </u> |
| | Chlorination Tablets |
| | Dechlorination Tablets |
| | Ultraviolet (U.V.) |

Yes No

4. ✓ Compliance with NPDES Permit

7/09 - 7/10

Periodic Violations Y N Parameters: Ammonia

Chronic Violations

5. ✓ Adequate plant safety

6. ✓ Operation and Maintenance Service

Name Ann Scott IFM

Frequency of Visits 2/month

Facility Name: Johnny's Resort

| Process | # Units | Unit | If Needed - Description and Comments |
|---------------------|-------------------------------------|------------------------------|---|
| Preliminary | | Trash Trap | Pumping Frequency |
| | | Grease Trap | Pumping Frequency |
| | | Bar Screen | |
| | | Comminutor | |
| | 1 | Flow Equalization w/ grinder | |
| Aeration Equipment | | Plant Timer ____Y ____N | Cycle Time: |
| | 2 | Motor / Blower Unit | |
| Secondary Treatment | 2 | Aeration Tank | Color: <u>Brown</u> Adequate Aeration Y <input checked="" type="checkbox"/> N <input type="checkbox"/> |
| Final Settling | 1 | Clarifier | <u>Slightly turbid</u> |
| | 2 | Sludge Return | In <input checked="" type="checkbox"/> Out <input type="checkbox"/> |
| | 1 | Surface Skimmer | In <input checked="" type="checkbox"/> Out <input type="checkbox"/> |
| | | Fixed Media Clarifier | |
| Tertiary Treatment | 2 | Surface Sand Filter | <u>1 ponded</u> |
| | | Polishing Pond | |
| | | Other | |
| Disinfection | 1 | Contact Tank | <u>clear</u> |
| | 1 | Chlorine Tube Feeder | <u>IN</u> |
| | 1 | Dechlorination Tube Feeder | <u>IN</u> |
| | | Ultraviolet (UV) | |
| Flow Metering | 1 | 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 PDTW | |
| | | Landfill | |
| | | Land Application | |
| Advanced Treatment | <input checked="" type="checkbox"/> | Post Aeration | <u>IN</u> |
| | | Spray Irrigation | |
| | | Other | |

7709 - 7/10

Get New Data

| Permit No. | Reporting Period | Station | Reporting Code | Parameter | Limit Type | Limit | Reported Value | Violation Date |
|-------------|------------------|---------|----------------|-------------------------|------------|-------|----------------|----------------|
| 2PR00150*BD | August 2009 | 001 | 31616 | Fecal Coliform | 30D Conc | 1000 | 2800. | 8/1/2009 |
| 2PR00150*BD | August 2009 | 001 | 31616 | Fecal Coliform | 1D Conc | 2000 | 2800. | 8/20/2009 |
| 2PR00150*BD | September 2009 | 001 | 00530 | Total Suspended Solids | 30D Conc | 12 | 16.1 | 9/1/2009 |
| 2PR00150*BD | September 2009 | 001 | 00530 | Total Suspended Solids | 30D Qty | 0.57 | .60939 | 9/1/2009 |
| 2PR00150*BD | April 2010 | 001 | 00610 | Nitrogen, Ammonia (NH3) | 1D Qty | .021 | .04826 | 4/26/2010 |
| 2PR00150*BD | May 2010 | 001 | 00610 | Nitrogen, Ammonia (NH3) | 30D Conc | 1.0 | 2.2 | 5/1/2010 |
| 2PR00150*BD | May 2010 | 001 | 00610 | Nitrogen, Ammonia (NH3) | 1D Conc | 1.5 | 2.2 | 5/25/2010 |
| 2PR00150*BD | June 2010 | 001 | 00530 | Total Suspended Solids | 30D Conc | 12 | 14.29 | 6/1/2010 |
| 2PR00150*BD | June 2010 | 001 | 00610 | Nitrogen, Ammonia (NH3) | 30D Conc | 1.0 | 4.7 | 6/1/2010 |
| 2PR00150*BD | June 2010 | 001 | 00610 | Nitrogen, Ammonia (NH3) | 30D Qty | 0.05 | .07952 | 6/1/2010 |
| 2PR00150*BD | June 2010 | 001 | 00610 | Nitrogen, Ammonia (NH3) | 1D Conc | 1.5 | 4.7 | 6/28/2010 |
| 2PR00150*BD | June 2010 | 001 | 00610 | Nitrogen, Ammonia (NH3) | 1D Qty | 0.07 | .07952 | 6/28/2010 |