



State of Ohio Environmental Protection Agency

**Northeast District Office**

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Ted Strickland, Governor  
Lee Fisher, Lieutenant Governor  
Chris Korleski, Director

August 31, 2007

**RE: TRUMBULL COUNTY  
BRACEVILLE TOWNSHIP  
ARHAVEN ESTATES MOBILE HOME PARK  
NPDES PERMIT NO. OH0107484  
OHIO EPA PERMIT NO. 3PV00064**

Mr. Anthony Casale, President  
Casan Ltd./Arhaven Estates Mobile Home Park  
211 Arhaven Drive  
Newton Falls, OH 44444

Dear Mr. Casale:

On August 2, 2007, this office conducted an Operation and Maintenance Inspection of the wastewater treatment plant serving the Arhaven Estates Mobile Home Park. The purpose of the inspection was to evaluate the facility's compliance with the terms and conditions of the above-referenced National Pollutant Discharge Elimination System (NPDES) permit.

The current 17,500-gallon/day treatment system, designed to serve 100 lots, consists of a flow equalization basin, extended aeration activated sludge "package" plant, final settling tank, slow surface sand filtration, sludge holding, and chlorination /dechlorination.

**Inspection Findings/Compliance Status**

At the time of the inspection, the following observations, findings, and/or comments were noted:

1. All treatment units appeared to be in operation. The final effluent being discharged to the Mahoning River appeared to be of marginal quality.
2. Pin floc was observed being carried over the weirs in the final settling tank. The sludge blanket was excessively high.
3. The surface sand filter in use (SE) appeared to be partially blinded, possibly the result of a previous solids washout.
4. A sturdy fence, with a locked entrance gate, needs to be installed around the "entire" treatment system to prevent unauthorized access to the facility.

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A review of the facility's Monthly Operating Reports (EPA Form 4500) received by Ohio EPA for the period January 2006 through July 2007 indicate significant violations of the final effluent limitations of the NPDES permit. The specific instances of noncompliance are as follows:

Report Period	Station	Parameter	Limit Type	Limit	Reported Value	Violation Date
Mar 2006	001	Dissolved Oxygen	1D Conc	5.0	4.5	3/13/2006
Aug 2006	001	Dissolved Oxygen	1D Conc	5.0	4.6	8/2/2006
Aug 2006	001	Dissolved Oxygen	1D Conc	5.0	4.6	8/25/2006
Jun 2007	001	Dissolved Oxygen	1D Conc	5.0	3.1	6/20/2007
Jun 2007	001	Dissolved Oxygen	1D Conc	5.0	3.1	6/21/2007
Jun 2007	001	Dissolved Oxygen	1D Conc	5.0	4.	6/22/2007
Jun 2007	001	Dissolved Oxygen	1D Conc	5.0	4.6	6/25/2007
Jun 2007	001	Dissolved Oxygen	1D Conc	5.0	4.8	6/26/2007
Jun 2007	001	Dissolved Oxygen	1D Conc	5.0	4.1	6/30/2007
Aug 2006	001	Fecal Coliform	30D Conc	1000	1200.	8/1/2006
May 2007	001	Fecal Coliform	1D Conc	2000	2330.	5/10/2007
Jul 2007	001	Fecal Coliform	30D Conc	1000	1198.14	7/1/2007
Jul 2007	001	Fecal Coliform	1D Conc	2000	2000.	7/10/2007
Jul 2007	001	Fecal Coliform	1D Conc	2000	2000.	7/17/2007

**Summary/Conclusion**

Please be advised that failure to comply with the terms and conditions of your NPDES permit may be subject to enforcement actions pursuant to Chapter 6111 of the Ohio Revised Code. Such actions can result in fines of up to \$10,000 per day of violation. Please inform this office, in writing, within 10 days of receipt of this notification as to the actions taken or proposed to address the above violation and/or deficiencies. Your response should include specific dates for completion of the actions.

Should you have any questions or comments regarding this letter, please contact this office.

Respectfully,



Ermelindo Gomes  
Environmental Engineer  
Division of Surface Water

EG/mt