



**Environmental  
Protection Agency**

John R. Kasich, **Governor**

Mary Taylor, **Lt. Governor**

Scott J. Nally, **Director**

October 29, 2012

RE: TRUMBULL COUNTY  
MESOPOTAMIA TOWNSHIP  
END OF THE COMMONS GENERAL STORE  
NPDES PERMIT NO. OH0140333  
OHIO EPA PERMIT NO. 3PR00465

Mr. Ken Schaden, President  
J-Cemps Limited  
8719 State Route 534  
P.O. Box 1  
Mesopotamia, Ohio 44439

Mr. Schaden:

On October 25, 2012 Ohio EPA and the Trumbull County Health Department conducted a compliance evaluation inspection of the wastewater treatment works serving the above-referenced facility. Mr. Steve Kramer represented the Trumbull County Health Department and Mr. Chris Moody and the undersigned represented Ohio EPA. The inspection was conducted to evaluate the operation and maintenance of the treatment works, and determine the facility's overall compliance with the terms and conditions of its National Pollutant Discharge Elimination System (NPDES) permit.

The existing wastewater treatment system was designed to treat an average daily hydraulic flow of 3,000 gallons per day, and consists of a 500-gallon grease trap for the store, a 2,000-gallon trash trap for the store and gas station, a 1,000-gallon trash trap for the office building, two (2) 4,000-gallon septic tanks in series, a 2,000-gallon pump station, a 3,500-gpd recirculation/blend tank, an Orenco AdvanTex AX-100 recirculating media filter tank (1<sup>st</sup> stage treatment), a 1,500-gpd recirculation/blend tank, an Orenco AdvanTex AX-20 recirculating media filter tank (2<sup>nd</sup> stage treatment), and an ultraviolet (UV) disinfection chamber. Treated effluent is discharged to a storm sewer that is tributary to Swine Creek.

During the inspection, the following observations and/or deficiencies were noted:

1. The overall operation and maintenance of the treatment works appeared to be satisfactory.
2. The wastewater treatment works appears to be operating well below its design flow.
3. While a logbook was observed at the facility, it should be bound and numbered.
4. Please ensure that your operator is signing in the logbook with the date, time in, time out, initials, and a brief description of the work performed.
5. Part II, J of the facility's NPDES permit requires that an outfall marker be erected no later than four months after the effective date of the permit. No such marker was noted at Outfall 001. Refer to the referenced portion of the NPDES permit for instructions on the content, configuration, and sizing of the marker.

6. The effluent being discharged from the UV basin appeared to be clear.

A review of the facility's monthly electronic Discharge Monitoring Reports received by Ohio EPA for the period October 2008 – September 2012 indicated violations of the terms and conditions contained in the NPDES permit. The specific instances of noncompliance include:

Reporting Period	Station	Reporting Code	Parameter	Sample Frequency	Expected	Reported	Violation Date
July 2009	001	00010	Water Temperature	1/Week	1	0	07/01/2009
July 2009	001	00010	Water Temperature	1/Week	1	0	07/08/2009
July 2009	001	00010	Water Temperature	1/Week	1	0	07/15/2009
July 2009	001	00010	Water Temperature	1/Week	1	0	07/22/2009
July 2009	001	00083	Color, Severity	1/Week	1	0	07/01/2009
July 2009	001	00083	Color, Severity	1/Week	1	0	07/08/2009
July 2009	001	00083	Color, Severity	1/Week	1	0	07/15/2009
July 2009	001	00083	Color, Severity	1/Week	1	0	07/22/2009
July 2009	001	01330	Odor, Severity	1/Week	1	0	07/01/2009
July 2009	001	01330	Odor, Severity	1/Week	1	0	07/08/2009
July 2009	001	01330	Odor, Severity	1/Week	1	0	07/15/2009
July 2009	001	01330	Odor, Severity	1/Week	1	0	07/22/2009
July 2009	001	01350	Turbidity, Severity	1/Week	1	0	07/01/2009
July 2009	001	01350	Turbidity, Severity	1/Week	1	0	07/08/2009
July 2009	001	01350	Turbidity, Severity	1/Week	1	0	07/15/2009
July 2009	001	01350	Turbidity, Severity	1/Week	1	0	07/22/2009
May 2010	001	00083	Color, Severity	1/Week	1	0	05/01/2010
May 2010	001	00083	Color, Severity	1/Week	1	0	05/08/2010
May 2010	001	00083	Color, Severity	1/Week	1	0	05/15/2010
May 2010	001	00083	Color, Severity	1/Week	1	0	05/22/2010
May 2010	001	01330	Odor, Severity	1/Week	1	0	05/01/2010
May 2010	001	01330	Odor, Severity	1/Week	1	0	05/08/2010
May 2010	001	01330	Odor, Severity	1/Week	1	0	05/15/2010
May 2010	001	01330	Odor, Severity	1/Week	1	0	05/22/2010
May 2010	001	01350	Turbidity, Severity	1/Week	1	0	05/01/2010
May 2010	001	01350	Turbidity, Severity	1/Week	1	0	05/08/2010
May 2010	001	01350	Turbidity, Severity	1/Week	1	0	05/15/2010
May 2010	001	01350	Turbidity, Severity	1/Week	1	0	05/22/2010
June 2010	001	00530	Total Suspended Solids	1/Quarter	1	0	06/01/2010
June 2010	001	00610	Nitrogen, Ammonia (NH3)	1/Quarter	1	0	06/01/2010
June 2010	001	31616	Fecal Coliform	1/Quarter	1	0	06/01/2010
June 2010	001	80082	CBOD 5 day	1/Quarter	1	0	06/01/2010
June 2010	001	00400	pH	1/Quarter	1	0	06/01/2010
June 2010	001	00300	Dissolved Oxygen	1/Quarter	1	0	06/01/2010
August 2010	001	00530	Total Suspended Solids	1/Quarter	1	0	08/01/2010
August 2010	001	00610	Nitrogen, Ammonia (NH3)	1/Quarter	1	0	08/01/2010
August 2010	001	31616	Fecal Coliform	1/Quarter	1	0	08/01/2010
August 2010	001	80082	CBOD 5 day	1/Quarter	1	0	08/01/2010
August 2010	001	00400	pH	1/Quarter	1	0	08/01/2010
August 2010	001	00300	Dissolved Oxygen	1/Quarter	1	0	08/01/2010

In addition to the findings from the inspection, please note that the facility's NPDES permit expires on September 30, 2013. Applications for renewal coverage must be submitted to Ohio EPA at least 180 days prior to the expiration date of the current permit. For your reference, please note that the NPDES renewal paperwork is typically sent out by Ohio EPA 9 – 10 months before the expiration date of the current NPDES permit.

Please be advised that failure to comply with the terms and conditions of the 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 14 days' receipt of this notification, as to the actions that have been taken or proposed to address the above-referenced violations and/or deficiencies. Your response shall include specific dates for the initiation and completion of this action plan.

Should you have any questions or comments regarding this letter, please contact this office at (330) 963-1120.

Respectfully,



Tomás Parry, P.E.  
Environmental Engineer  
Division of Surface Water

TP/cs

ec: Chris Moody, OHIO EPA, NEDO, DSW

cc: Steve Kramer, R.S., Trumbull County Health Department