



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

May 6, 2013

Mr. John Catenacci  
Tech II Inc.  
1765 W County Line Road  
Springfield, OH 45501

**RE: Tech II Inc., Clark County  
Compliance Evaluation Inspection, NPDES No. 1IQ00017/OH0140929  
No Exposure Certification, NPDES No. 1GRN00416\*DG  
Notice of Violation**

Dear Mr. Catenacci:

On April 25, 2013, Sandra Leibfritz conducted an inspection at Tech II located at 1765 West County Line Road, Springfield, Ohio. You, AJ Sanders and Brenda Sweeney were representing the facility. The Tertiary Treatment (sand filters) area was rated marginal. All other areas that were evaluated were rated as satisfactory. Details on these ratings may be found in the enclosed inspection report.

On May 5, 2010, Tech II received a "No Exposure" certification. The intent of the No Exposure certification is to provide facilities with industrial materials and activities that are entirely sheltered from storm water a way of complying with the storm water permitting requirements of the Clean Water Act. On the day of the inspection, Ms. Leibfritz observed materials exposed to the elements. The specific area of concern is the plastic (resin) pellets on the ground around the silos that occurs during the transfer of the pellets from the truck to the silos. The certification of "No Exposure" is therefore not valid.

Please note that the discharge of storm water associated with industrial activity to waters of the state without valid coverage under the NPDES permit program is a violation of Ohio Revised Code 6111.04, Water pollution and sludge management violations prohibited. Ohio EPA will include storm water language (Parts IV, V and VI) into your individual NPDES permit No. 1IQ00017/OH0140929.

There are two items requiring a response. We ask for a written response no later than June 7, 2013. Your response should include a description of the actions taken or proposed and the dates, either actual or proposed, for completion of the actions. If you

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should have any questions, please call Ms. Leibfritz at (937) 285-6104 or me at (937) 285-6034.

Sincerely,

A handwritten signature in black ink, appearing to read "Martyn G. Burt". The signature is written in a cursive style with a large initial "M".

Martyn G. Burt  
Environmental Supervisor  
Division of Surface Water

MB/kb

Enclosure

ec: Clark County Health Department  
Brenda Sweeney, Operator

Permit #: 1IQ00017\*BD  
 NPDES #: OH0140929



State of Ohio Environmental Protection Agency  
 Southwest District Office

NPDES Compliance Inspection Report  
 Semi-Public Sewage Disposal Inspection Form

Section A: National Data System Coding					
Permit #	NPDES#	Month/Day/Year	Inspection Type	Inspector	Facility Type
1IQ00017*BD	OH0140929	04/25/2013	C	S	2

Section B: Facility Data		
Name and Location of Facility Inspected	Entry Time	Permit Effective Date
Tech II Inc. 1765 West County Line Road Springfield, OH 45501	9:00 AM	August 1, 2007
	Exit Time	Permit Expiration Date
	11:15 AM	July 31, 2012
Name(s) and Title(s) of On-Site Representatives	Phone Number(s)	
John Catenacci, Operations Manager	937-969-7000 ext 231 937-631-5269 (cell) <a href="mailto:John.catenacci@techii.com">John.catenacci@techii.com</a>	
Brenda Sweeney, Operator of Record	937-605-2748 (cell) <a href="mailto:bsweeney4@woh.rr.com">bsweeney4@woh.rr.com</a>	
AJ Sanders, Maintenance	937-969-7000	
Name(s), Address and Title(s) of Operator of Record	Phone Number(s)	
Brenda Sweeney 12121 Old Columbus Road South Vienna, OH 45369	937-605-2748 (cell) <a href="mailto:bsweeney4@woh.rr.com">bsweeney4@woh.rr.com</a>	
Name, Address and Title of Responsible Official	Phone Number	
John Catenacci, Operations Manager P.O. Box 1468 1756 W. County Line Road Springfield, OH 45501	937-969-7000 ext 231 937-631-5269 (cell) <a href="mailto:John.catenacci@techii.com">John.catenacci@techii.com</a>	

Ohio EPA Inspector	Ohio EPA Reviewer
 Sandra D. Leibfritz Division of Surface Water Southwest District Office Date: 5/6/13	 Martyn Burt Compliance & Enforcement Supervisor Division of Surface Water Southwest District Office Date: 5/6/13

Permit #: 1IQ00017\*BD  
 NPDES #: OH0140929

Average Daily Design Flow:	4,000 GPD
Plant Serves:	~320
Average Daily Flow: (Period of Review):	2,508 GPD (January through December 2012)
Method of flow monitoring:	Totalizer
Type of alarms for plant:	Visual/Autodialer

**Comments/Status:**

On October 29, 2008, the Director issued a PTI (No. 666283) for a new WWTP at Tech II. The WWTP consists of 3 trash traps, 3 lift stations, screen, two extended aeration tanks (4,500 gallons each), final clarification, two slow surface sand filters, chlorination/dechlorination tank and a 3,000 gallon sludge holding tank. All of the lift stations have two pumps and an alarm system. All pumps and alarm systems were reported as operational.

**Pretreatment**

Type of Pretreatment: **Trash Trap**  
 Does the Trash Trap need pumped: **No**  
 Maintenance of pretreatment components is: **Satisfactory**

**Comments/Status:**

There are 3 trash traps. The trash traps are pumped every 3 to 6 months by Bevins Sanitary Service. Bevins disposes of septage at the Urbana WWTP. Bevins has Tech II on a regular schedule.

**Secondary Treatment  
(Aeration)**

Color of sludge: **Dark Brown**  
 Quality of Sludge: **Heavy**  
 Foam: **Heavy (dark)**  
 Odor: **No objectionable odor present**

	Yes	No		Yes	No
Aeration is taking place	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Plant is septic	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Blowers are operating	<input type="checkbox"/>	<input type="checkbox"/>	Blowers are on a timer	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Skimmers are operating <b>N/A</b>	<input type="checkbox"/>	<input type="checkbox"/>	Plant is flooded	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Diffusers are operating <b>N/A</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Grating is present	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Sludge return is operating	<input checked="" type="checkbox"/>	<input type="checkbox"/>			

Maintenance of aerating equipment is...**Satisfactory**

**Comments/Status:**

There are 2 aeration tanks with 6 pumps that operated in series. The pumps supply air by aspiration. One pump is inoperable; however, it is scheduled to be replaced within 2 weeks. Filamentous growth was observed on the surface of the aeration tanks. The sequence of the pumps is controlled by a PLC.

**Secondary Treatment  
 (Settling)**

Overall maintenance of settling components is: **Satisfactory**

**Comments/Status:**

There is a floating weir that is 6 inches below the surface of the contact clarifier tank. After settling for an hour, the effluent is pumped as a batch discharge to the sand filters. The clarifier shows signs of a hydraulic overload. There was debris hanging on pipes and wires above the ordinary water level in the clarifier.

**Tertiary Treatment**

	Yes	No		Yes	No
Surface sand Filters: <b>Slow</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<b>Subsurface</b>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Distribution box operating	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Beds alternated	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Are filters ponding/flooding	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Beds raked	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Sand filters overgrown	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Chlorination present	<input checked="" type="checkbox"/>	<input type="checkbox"/>
UV present	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Dechlorination present	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Overall maintenance of components is: **Marginal**

**Comments/Status:**

There are 2 slow surface sand filters. The sand filters showed signs of a hydraulic overload. Solids were observed on both filters. Last year approximately 8 inches of sand/solids was removed from the east filters and replaced with new sand. They plan to remove 6-8 inches of sand/solids and replace it on the west filter. There is no post-aeration. The west filter was flooded and it was draining slowly. During the inspection chlorination/dechlorination was not occurring (only required during summer months).

**Sludge Handling/Storage Disposal**

Hauler name: **Bevins Sanitary Services**  
 Disposal Site: **Urbana WWTP**  
 Sludge wasted from: **Sludge Holding Tank**  
 How often is sludge wasted: **As needed – based on jar test.**  
 Sludge drying beds: **No**      Sludge holding tank: **Yes**

Overall maintenance of components is: **Satisfactory**

**Comments/Status:**

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**Plant Discharge**

Discharge point is a: **Stream**  
Name of discharge point: **Storms Creek**  
Discharge is visible: **Yes**      Quality of Effluent: **Clear**

**Comments/Status:**

This is a batch discharge. There was a discharge during the inspection. The effluent was clear. The receiving stream was clear both upstream and downstream of outfall 001.

**FINAL EFFLUENT LIMIT VIOLATIONS**

7D = Weekly    30D = Monthly    1D = Daily    Conc. = Concentration (mg/l)    Qty. = Quantity (Kg/Day)

FINAL EFFLUENT LIMITATION VIOLATIONS FOR OUTFALL 11Q00017001  
June 2012 through April 2013

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Reporting Period	Parameter	Limit Type	Limit	Reported Value	Violation Date
February 2013	pH	1D Conc	6.5	6.	2/28/2013

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**Areas Requiring a Response**

1. Ohio EPA has no record of receiving noncompliance notification for final effluent violations at outfall 11Q00017001 in violation of Part II, Item 12 (Noncompliance Notification). The operator of record is required to provide written notification of noncompliance in accordance with Part III, Item 12 of your NPDES permit. Immediately submit the noncompliance notification for violations that occurred in February 2013 using the noncompliance forms at the following link: <http://www.epa.ohio.gov/dsw/permits/permits.aspx#noncompliance>.
  
2. There was debris hanging on pipes and wires above the ordinary water level in the clarifier. In addition, there was an excessive amount of solids on the sand filters. Is this due to a hydraulic overload or a pump issue? Tech II must investigate and determine the cause of the loss of solids from the wastewater treatment plant.