



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

August 15, 2013

**CERTIFIED LETTER**

Mr. Chuck Bauer  
Springview Government Center  
Clark County Utilities Department  
P.O. Box 1303  
Springfield, Ohio 45501-1303

**RE: KTK Industrial Park WWTP – NPDES No. 1PZ00003\*ED/OH0085880  
Compliance Evaluation Inspection – Clark County**

Dear Mr. Bauer:

On August 13, 2013, Sandra Leibfritz conducted an inspection at KTK Industrial Park WWTP located at 5171 Urbana Road, Springfield, Ohio. Jeff Blair represented the facility. The Tertiary Treatment (sand filters) area was rated as unsatisfactory due to excessive weeds in the sand filters. All other areas that were evaluated were rated as satisfactory. An inspection report for the facility is enclosed.

On May 31, 2013, Ohio EPA issued a PTI (No. 931674) to the County for a uv disinfection system that replaces the chlorination/dechlorination system. This system was installed as per detailed plans. The County will need to post a sign that reads "Caution - Ultraviolet Light - Eye Protection Required" or equivalent language near the disinfection system. The County will also need to provide personal protective equipment and safety training for personnel who are inspecting and maintaining the system.

The existing wastewater treatment plant has been in service for approximately 29 years. It is exhibiting signs of aging (e.g. cracked/pitted concrete on tanks/ filter walls and corrosion on metal tanks). The County should evaluate the integrity of each unit and establish a long-term plan for repairing, rehabilitating or replacing the units.

During the inspection, Mr. Blair mentioned that he wanted to use weed killer in the sand filters. The monitoring requirements of your permit do not include the use of a weed killer. The permit was written solely for the discharge of treated sanitary wastewater. Typically, weeds are manually removed from the sand filter. No later than September 6, 2013, please provide written notification that the weeds have been removed from the sand filters.

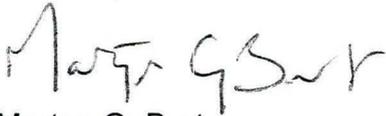
KTK Industrial Park WWTP – Compliance Evaluation Inspection

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

Sincerely,

A handwritten signature in black ink that reads "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

MGB/tb

cc: Clark County Health Department  
Jeff Blair, Superintendent



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
1PZ00003*ED	OH0085880	08/13/13	C	S	1

Section B: Facility Data		
Name and Location of Facility Inspected	Entry Time	Permit Effective Date
KTK Industrial Park WWTP 5171 Urbana Road Springfield, OH 45501	8:50 a.m.	October 1, 2011
	Exit Time	Permit Expiration Date
	9:40 a.m.	September 31, 2016
Name(s) and Title(s) of On-Site Representatives		Phone Number(s)
Jeff Blair, Superintendent, ORC		(937) 849-0507 (WWTP) (937) 605-2032 (cell)
Name(s), Address and Title(s) of Operator of Record		Phone Number(s)
Chuck Bauer, Deputy Director, ORC Clark County Department of Utilities Springview Government Center 3130 E Main Street P.O. Box 1303 Springfield, OH 45501-1303		(937) 521-2150
Name, Address and Title of Responsible Official		Phone Number
Clark County Board of Commissioners 50 E. Columbia Street Springfield, OH 45502		(937) 521-2005
Alice Godsey, Director of Utilities, ORC Clark County Department of Utilities Springview Government Center 3130 E Main Street P.O. Box 1303 Springfield, OH 45501-1303		(937) 521-2150

Ohio EPA Inspector	Ohio EPA Reviewer
 Sandra D. Leibfritz Division of Surface Water Southwest District Office Date: 8/15/2013	 Martyn Burt Compliance & Enforcement Supervisor Division of Surface Water Southwest District Office Date: 8/15/13

Average Daily Design Flow:	<b>0.017 MGD</b>
Plant Serves:	<b>20 commercial businesses</b>
Average Daily Flow: (Period of Review):	<b>0.00267 MGD (January 2012 through December 2012)</b>
Method of flow monitoring:	<b>Totalizer</b>
Type of alarms for plant:	<b>Visual with Autodialer</b>

**Comments/Status:**

There is an influent pump station. The alarm system (visual with autodialer) and both pumps were reported as operational. There are hour meters on both pumps.

A valve pit is located after the influent lift station that contains a totalizer. This is the location for flow monitoring that is reported in the DMRs.

The WWTP is checked daily by county personnel (Duane Dalton and Scott Lough). Jeff Blair checks the WWTP twice per week for 0.5 hours.

In general, the WWTP is exhibiting corrosion and the concrete is cracking and pitting.

There are preliminary plans to update the electric and electrical components, next year.

**Pretreatment**

Type of Pretreatment: **None**  
 Does the Trash Trap need pumped: **N/A**  
 Maintenance of pretreatment components is: **N/A**

**Comments/Status:**

**Equalization Basin - NA**

Two Pumps present: **No**  
 One Pump operational: **Yes**  
 Alarm present: **No**  
 Alarm operational: **N/A**  
 Maintenance of equalization basin is: **Satisfactory**

**Comments/Status:**

There is only one pump in the equalization basin; however, there is a gravity overflow from the equalization basin to the aeration tank. Aeration was occurring in the equalization basin. There is a dedicated blower to the equalization basin.

**Secondary Treatment  
 (Aeration)**

Color of sludge: **Dark Brown**  
 Quality of Sludge: **Medium**  
 Foam: **Heavy Build-up of Scum**  
 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 (2)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Blowers are on a timer	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Skimmers are operating	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Plant is flooded	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Diffusers are operating	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Grating is present	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Sludge return is operating (2)	<input checked="" type="checkbox"/>	<input type="checkbox"/>			

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

**Comments/Status:**

Aeration was occurring. The plant is equipped with coarse diffusers. There are two blowers. Both were reported as operational. Blowers are kept on 24 hours/7days a week. Blowers are alternated. One blower is used in the summer and both blowers are used in the winter. The MLSS were observed to be dark brown.

There is a scum/foam build-up on the surface of the aeration tank that is probably due to filamentous growth. This could be due to old age sludge and/or excessive oil & grease in the system.

MLSS is maintained at approximately 2,000 mg/l with a SVI of 80 to 90.

There are two RAS lines. Both were returning dark brown solids.

The skimmer was operable.

**Secondary Treatment  
 (Settling)**

Clarity: **Clear with tiny pin floc**  
 Condition of Weir: **Clean**  
 Weir is level: **N/E - No Overflow During Inspection**  
 Effluent in weir: **N/E - No Overflow During Inspection**  
 Clarifier walls need scraped: **Yes**

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

**Comments/Status:**

**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 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 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: **Unsatisfactory**

**Comments/Status:**

The dosing chamber is equipped with one pump. There is a visual alarm on the dosing chamber. This pump was reported as operational. The sand filters were rated as unsatisfactory due to excessive weeds in the sand filters.

On May 31, 2013, the Director of Ohio EPA issued a PTI No. 931674 to the County for the installation of a uv disinfection system to replace the chlorination/dechlorination system. The system was installed as per detail plans.

There was no discharge during the inspection; however the effluent in the old chlorine contact tank was clear and odor free.

**Sludge Handling/Storage Disposal**

Hauler name: **Clark County**  
 Disposal Site: **Southwest Regional WWTP**  
 Sludge wasted from: **Sludge Holding Tank**  
 How often is sludge wasted: **Approximately twice a year or as needed.**  
 Sludge drying beds: **No**  
 Sludge holding tank: **Yes**

Overall maintenance of components is: **Satisfactory**

**Comments/Status:**

**Plant Discharge**

Discharge point is a: **Stream**  
 Name of discharge point: **Moore Run**  
 Discharge is visible: **Yes**  
 Quality of Effluent: **No Discharge during the inspection.**

**Comments/Status:**

The effluent in the old chlorine contact tank was clear.

**EFFLUENT LIMIT VIOLATIONS – Outfall 1PZ00003001  
(Period of Review: January 2013 through June 2013)**

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

Reporting Period	Parameter	Limit Type	Limit	Reported Value	Violation Date
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**None Reported.**

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PS Form 3800, August 2006 See Reverse for Instructions

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