



State of Ohio Environmental Protection Agency

Southwest District Office

401 E. Fifth St.
Dayton, Ohio 45402

TELE: (937) 285-6357 FAX: (937) 285-6249
www.epa.state.oh.us

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

August ¹⁸~~15~~, 2008

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

CERTIFIED LETTER

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

Dear Mr. Bauer:

On August 14, 2008, Sandra Leibfritz conducted an inspection at KTK Industrial Park WWTP located at 5171 Urbana Road, Springfield, Ohio. Chuck Bauer, Dave Hasting, Kevin Krejny and John Lethcoe were representing the facility. The aeration tanks and the clarifier were rated as marginal due to the excessive build up of scum. All other areas that were evaluated were rated as satisfactory. An inspection report for the facility is enclosed.

There are no items that require a response. If you should have any questions about the inspection, please call Ms. Leibfritz at (937) 285-6104 or me at (937) 285-6034.

Sincerely,

Martyn G. Burt
Environmental Supervisor
Division of Surface Water

Enclosure

cc: Clark County Health Department

Permit #: 1PZ00003*DD
 NPDES #: OH0085880



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*DD	OH0085880	08/14/08	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	9:00 a.m.	October 4, 2002
	Exit Time	Permit Expiration Date
	10:00 a.m.	October 31, 2007
Name(s) and Title(s) of On-Site Representatives		Phone Number(s)
Chuck Bauer, Deputy Director Clark County Utilities Dept. Dave Hasting Kevin Krejny John Lethcoe		(937) 521-2150
Name(s), Address and Title(s) of Operator of Record		Phone Number(s)
Chuck Bauer, Deputy Director 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 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
<i>Sandra D. Leibfritz</i> 8/15/08	<i>Martyn G. Burt</i> 8/15/08
Sandra D. Leibfritz Division of Surface Water Southwest District Office Date	Martyn Burt Compliance & Enforcement Supervisor Division of Surface Water Southwest District Office Date

Permit # : 1PZ00003*DD
NPDES #: OH0085880

Average Daily Design Flow:	0.017 MGD
Plant Serves:	20 commercial businesses
Average Daily Flow: (Period of Review):	0.001749 MGD (January 2007 through December 2007)
Method of flow monitoring:	Totalizer
Type of alarms for plant:	Visual with Autodialer

Comments/Status:

The County has plans to tie-in to the City's sanitary sewer. This request has been made; however, the City has not responded.

There is an influent pump station. The County reported that the alarm system (visual with autodialer) and both pumps are operational. There are hour meters on both pumps. The concrete on top of the lift station is cracking and pitting.

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.

In general, the WWTP is exhibiting corrosion.

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 an overflow from the equalization basin to the aeration tank. Aeration was occurring in the equalization basin.

**Secondary Treatment
 (Aeration)**

Color of sludge: **Dark Brown**
 Quality of Sludge: **Heavy**
 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	<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	<input checked="" type="checkbox"/>	<input type="checkbox"/>			

Maintenance of aerating equipment is...**Marginal**

Comments/Status:

Aeration was occurring. The plant is equipped with the use of coarse diffusers. There are two blowers. Both were reported as operational. Blowers are kept on 24 hours/7days a week. Blowers are alternated. The MLSS were observed to be dark brown in color indicating old age sludge.

There is a large amount of scum/foam build-up on the entire 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. The County has been spraying the foam with chlorine to help control the filamentous growth.

MLSS is maintained at approximately 3,500 mg/l. Spin test indicate there is approximately 3% solids.

There are two RAS lines. Both were returning dark brown solids. The lines were approximately 1/2 full.

The skimmer was not returning; however, the water level in the clarifier was below the skimmer.

**Secondary Treatment
 (Settling)**

Clarity: **Clear with Floating Solids**
 Condition of Weir: **Excessive Solids Build Up**
 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: **Marginal**

Comments/Status:

The surface of the clarifier was covered in scum. There is a baffle between the aeration tank and the clarifier that has deteriorated. The County has plans to retrofit a baffle near the inlet of the clarifier.

A chlorine tablet is placed in the trough near the outlet. There was very little tablet left.

Tertiary Treatment

	Yes	No		Yes	No
Surface sand Filters: Slow	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Subsurface	<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: **Satisfactory**

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. Both beds were free of weeds. The sand should be raked level. The depth of the sand was unknown.

Since chlorine is added in the clarifier trough, the chlorine contact tank is used to dechlorinate. The chlorine tank has not been cleaned out. For this size plant, Ohio EPA recommends cleaning of chlorine contact tank at least on a yearly basis.

The effluent in the 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:

Permit # : 1PZ00003*DD
NPDES #: OH0085880

EFFLUENT LIMIT VIOLATIONS – Outfall 1PZ00003001
(Period of Review: January 2007 through June 2008)

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

Reporting Period	Parameter	Limit Type	Limit	Reported Value	Violation Date
September 2007	Fecal Coliform	30D Conc	1000	1200.	9/1/2007
June 2008	Chlorine, Total Residual	1D Conc	0.038	.05	6/5/2008
June 2008	Chlorine, Total Residual	1D Conc	0.038	.06	6/12/2008
June 2008	Chlorine, Total Residual	1D Conc	0.038	.06	6/26/2008

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 SPRINGVIEW GOVERNMENT CENTER
 CLARK COUNTY UTILITIES DEPT
 P O BOX 1303
 SPRINGFIELD OH 45501-1303**

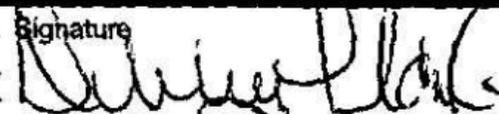
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