

sewage



State of Ohio Environmental Protection Agency

Southwest District Office

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

September 2, 2009

Mr. Robert Leventry  
Butler County Water and Sewer Department  
130 High Street, 6<sup>th</sup> Floor  
Hamilton, Ohio 45011

**Re: Butler County, ~~Queen Acres WWTP~~, Compliance Evaluation Inspection**

Dear Mr. Leventry:

On September 1, 2009, I conducted a Compliance Evaluation Inspection at this facility (NPDES Permit No. OH0024261; OEPA Permit No. 1PG00043\*ED). Representing this facility were Jack Thornsberry, Brian Custer and Steve Schaefer. A copy of my inspection report is enclosed.

All areas evaluated in the inspection report were found to be satisfactory. Therefore, no response is required at this time.

If you have any questions, please call me at (937) 285-6096.

Sincerely,

Ned Sarle  
Division of Surface Water  
Permits Section

Enclosure

cc: Brian Custer, Butler County Water and Sewer Department



State of Ohio Environmental Protection Agency  
Southwest District Office

NPDES Compliance Inspection Report

Section A: National Data System Coding					
Permit #	NPDES#	Month/Day/Year	Inspection Type	Inspector	Facility Type
1PG00043*ED	OH0024261	9/1/2009	C	S	1

Section B: Facility Data		
Name and Location of Facility Inspected	Entry Time	Permit Effective Date
Butler County Queen Acres WWTP 2627 Ross - Hanover Road Hamilton, Ohio 45013	9:30 A.M.	1/1/2002
	Exit Time	Permit Expiration Date
	10:40 A.M.	12/31/2006
Name(s) and Title(s) of On-Site Representatives	Phone Number(s)	
Jack Thornsberry, Division Head	(513) 887 - 3929	
Brian Custer, Field Superintendent	(513) 887 - 5552	
Steve Schaefer, Chief Operator	(513) 967 - 5761	
Name, Address and Title of Responsible Official	Phone Number	
Robert Lenventry, Director 130 High Street, 6 <sup>th</sup> Floor Hamilton, Ohio 45011	(513) 887 - 3936	

Section C: Areas Evaluated During Inspection					
(S = Satisfactory, M = Marginal, U = Unsatisfactory, N = Not Evaluated)					
S	Permit	S	Flow Measurement	N	Pretreatment
S	Records/Reports	N	Laboratory	S	Compliance Schedule
S	Operations & Maintenance	S	Effluent/Receiving Waters	S	Self-Monitoring Program
S	Facility Site Review	S	Sludge Storage/Disposal	N	Other
S	Collection System				

**Section D: Summary of Findings (Attach additional sheets if necessary)**

See Attached Summary of Findings / Comments.

Inspector	Reviewer
 Ned Sarle Permit Section Division of Surface Water Southwest District Office	 Martyn Burt Compliance & Enforcement Supervisor Division of Surface Water Southwest District Office
9/2/09 Date	9/3/09 Date

Permit # : OH002426  
NPDES #: OH0024261

### **Summary of Findings / Comments**

A review of the Monthly Operating Reports (MORs) for December 2006 through July 2009 indicated several NPDES Permit violations. These violations are addressed on Attachment I. At this time, these violations have been adequately addressed. Future violations must continue to be reported as required by the NPDES Permit as detailed in Part III, Section 12 titled "Noncompliance Notification."

For December 2006 through July 2009, the MORs indicated the average daily flow was 233,000 gpd. The peak daily flow was 2,607,000 gpd and was reported on March 19, 2008. The WWTP is designed to treat an average daily flow of 600,000 gpd and a peak daily flow of 2,000,000 gpd.

For January 2007 through August 2009, no sewage collection system or WWTP bypasses have been reported. Butler County has replaced several sections of the sanitary sewer and slip lined several other sections. Spot liner repairs have also been used for some small repairs. All sewer laterals have been visual inspected. A few residents have taken advantage of the county's program for repairing sewer laterals. The county also continues with their program of cleaning and visual inspections of the sanitary sewers.

The Queen Acres WWTP consists of an influent pump station, a flow equalization basin, a mechanical bar screen, a pista grit tank, two oxidation ditches, three clarifiers, an effluent pump station, a vertical cloth media disk filter, an ultraviolet disinfection system, and a cascade aeration system. An aerated sludge holding tank is also provided. A backup generator is provided for the WWTP and the influent pump station. During the September 2008 wind storm, power was out for a day and a half. The backup generator was sufficient to power these treatment works.

For 2008, 34.644 dry tons of sludge was hauled to the Butler County LeSourdsville WWTP. Grit and screenings are also disposed at the Rumpke Sanitary Landfill.

Permit # : OH0024261  
NPDES #: OH0024261

**Attachment I**  
**Butler County Queen Acres WWTP**  
**NPDES Permit Violations for December 2006 through July 2009**

Reporting Period	Parameter	Limit Type	Units	Permit Limit	Reported Value
July 2007	DO	Daily	mg/l	7.0	6.8
August 2007	DO	Daily	mg/l	7.0	6.9
August 2007	DO	Daily	mg/l	7.0	6.9
August 2007	DO	Daily	mg/l	7.0	6.8
August 2007	DO	Daily	mg/l	7.0	6.5