



State of Ohio Environmental Protection Agency

**Southeast District Office**

2195 Front Street  
Logan, Ohio 43138

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

June 27, 2007

**Re:** Ross County  
Carousel Court MHP  
Compliance Evaluation Inspection  
Ohio EPA Permit No. 0PV00008\*FD  
Correspondence (PWW)

Mr. Ace Elsea, President  
Elsea, Inc.  
P.O. Box 588  
2015 Stoneridge Drive  
Circleville, Ohio 43113

Dear Mr. Elsea:

On June 21, 2007, I conducted a compliance evaluation inspection of the wastewater treatment plant at the Carousel Court MHP. The purpose of the inspection was to determine compliance with the terms and conditions of National Pollutant Discharge Elimination System (NPDES) Permit Number 0PV00008\*FD and document any plant improvements. Mr. Tom Bouts, plant operator was present during the inspection.

As a result of my inspection, I have the following comments:

1. Inspection of the aeration basin showed both sludge return pumps to be functioning as well as the skimmer returns. The mixed liquor was a light tan color and very weak which was the result of losing solids to the sand filters following a recent sludge return pump failure. According to Mr. Bouts the two sludge return pumps will be replaced with Geysler sludge return pumps which should improve the plant's performance. The operator has noticed a buildup of biomass which has helped secondary treatment, but if proper levels can not be achieved in a timely manner the plant may need seeded.
2. At the time of my inspection some bulking of the sludge was occurring in the settling tank which was flowing over the weir. In order to improve settling a polymer is being added at the head of the settling tank. According to the operator, the addition of polymer and the increased concentration of biomass in the mixed liquor is improving plant performance and improving settling. The weir was found to be relatively clean and free of any sludge or scum.
3. The one filter bed in use was found to be unlevel with old sand which contained a moderate level of solids and vegetation. The bed currently in use should be refurbished with new sand upon drying. The idle sand bed contains a moderate amount of solids and vegetation which need removed prior to placing this bed

back into service. According to the operator the idle bed contains relatively new sand and would be ready for use following cleaning and leveling.

4. Inspection of the chlorine contact tank found the chlorination and de-chlorination chambers to contain chemical tablets in two of the four feeder tubes. The feeder tubes in each of the two chambers only contained a few tablets and should be supplied with additional tablets. The two disinfection chambers should be inspected daily to insure an adequate supply of tablets is available for treatment and no bridging occurs.

The Carousel Court MHP is currently under Director's Final Findings and Orders (DFFOs) to install several plant upgrades to improve treatment and achieve compliance to your permit. A PTI was approved on October 19, 2006 for the installation of multiple upgrades to accommodate I&I flows and still maintain permit compliance. The DFFOs state in Order 1(c) that the respondent shall initiate construction within six months of the Director's issuance of the PTI. Order 1(d) states that within twelve months of the Director's issuance of a PTI, respondent shall complete construction of any approved WWTP improvements and achieve compliance to the permit. Please provide a schedule within 14 days upon receipt of this letter describing how Order 1(d) will be met to avoid future penalties. In addition to the schedule please provide a written response describing how the above plant concerns will be addressed.

At the time of my inspection, the effluent was found to be relatively clear and free of any objectionable odor. A copy of my detailed inspection report is enclosed.

If there are any questions, please contact me at (740) 380-5416.

Sincerely,



Jake Greuey  
District Representative  
Division of Surface Water

JJG/dh

Enclosure

- c: Mary Harrison-Reed, Elsea Park Supervisor
- c: Tom Bouts, Operator, Fairfield County Utilities
- c: Ross County Health Department

# NPDES Compliance Inspection Report

## A. NATIONAL DATA SYSTEM CODING

Permit No.	NPDES No.	Date	Inspection Type	Inspector	Facility Type
0PV00008*FD	OH0050636	June 21, 2007	C	S	1

## B. FACILITY DATA

Name and Location of Facility Inspected	Entry Time	Permit Effective Date
Carousel Court MHP WWTP 20544 US Route 23 Chillicothe, Ohio	11:40 a.m.	June 1, 2007
	Exit Time	Permit Expiration Date
	12:20 p.m.	May 31, 2012

Name(s) and Title(s) of On-Site Representative(s)	Phone Number(s)
Tom Bouts, Operator	(614) 419-3623
Name, Address and Title of Responsible Official	Phone Number
Ace Elsea, President Elsea Inc. PO Box 588, 2015 Stoneridge Dr. Circleville, Ohio 43113	

## C. AREAS EVALUATED DURING INSPECTION

<u>S</u> Permit	-- Flow Measurement	-- Pretreatment
<u>S</u> Records/Reports	-- Laboratory	<u>U</u> Compliance Schedules
<u>M</u> Operations & Maintenance	<u>S</u> Effluent/Receiving Waters	<u>S</u> Self-Monitoring Program
<u>M</u> Facility Site Review	<u>S</u> Sludge Storage/Disposal	_____ Other
<u>M</u> Collection System		

(S = Satisfactory, M = Marginal, U = Unsatisfactory, N = Not Evaluated)

## D. SUMMARY OF FINDINGS/COMMENTS (attach additional sheets if necessary)

See attached letter.

  
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 Jake Greuey, Inspector, Ohio EPA, Southeast District Office

6/26/07  
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 Date

  
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 Timothy M. Campbell, Reviewer, Ohio EPA, Southeast District Office

6/27/07  
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 Date