



State of Ohio Environmental Protection Agency

**Southeast District Office**

2195 Front Street  
Logan, Ohio 43138

TELE: (740) 385-8501 FAX: (740) 385-6490  
www.epa.state.oh.us

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

May 22, 2007

**Re:** Guernsey County  
Go Mart #57 WWTP  
Compliance Inspection  
Correspondence (PWW)

Mr. Mike Conant  
Go Mart, Inc.  
64322 Wintergreen Road  
Lore City, Ohio 43755

Dear Mr. Conant:

On May 8, 2007, I conducted a Compliance Evaluation Inspection of the Go Mart #57 wastewater treatment facility. The purpose of the inspection was to determine compliance with the terms and conditions of National Pollutant Discharge Elimination System (NPDES) permit number OPR00089\*AD. Mr. Matt Stiers, plant operator was present at the time of my inspection.

As a result of my inspection, the following observations were made:

1. One sand filter bed contained a thick layer of sludge which according to the operator was primarily from the solids washout during and following the plant freeze in February. I instructed Mr. Stiers that a vacuum truck should be used to remove the sludge from the sand bed and dispose of properly in a sanitary waste landfill. The other filter bed in use is beginning to pond for an extended period of time and is in need of drying and cleaning. It is imperative that the heavy sludge be removed from the one dry bed and any remaining solids removed to enable the bed to be placed back into service as soon as possible.
2. The facility also received approval to install a dechlorination system to meet the final residual chlorine effluent limit which went effective on August 1, 2006. In order to meet the final effluent limit the dechlorination chamber must be installed immediately according to the approved PTI.
3. The settling tank was observed with a very thick sludge blanket beneath a clear water layer which overflowed into the weir. Upon observing the settling tank several large flocs were seen rising to the surface and eventually entering the weir. The weir was relatively clean with minimal buildup of scum and algae as it is cleaned daily along with the scraping of the hopper walls.

Upon review of the "Operation of Municipal Wastewater Treatment Plants - MOP 11 Volume 2" it was found in Chapter 20 that multiple events can cause poor settling in the settling tank. The operator is encouraged to review the troubleshooting guide found on pages 656-676 and make any necessary process controls to improve settling within the settling tank. The poor settling characteristics of the sludge could be due to toxics entered into the waste stream, filamentous bulking from filamentous organisms, and potentially denitrification to name a few. The troubleshooting guide found in Table 20.8 through 20.9 addresses all of these potential causes and describes process control measures to alleviate the problem. It may also be helpful to conduct a settleability test on the sludge in the settling tank and refer to Figure 20.26 in the MOP and determine the most appropriate remedy.

This facility receives peak flows in the mornings and evenings as it is a large truck stop with shower facilities that are used more during those times. The high flows may cause hydraulic overloading of the plant and combined with potentially low organic loading throughout the day could cause the Food to Microorganism (F:M) ratio to be out of balance affecting the settling of solids. The facility received a PTI to install the dechlorination chamber in addition to a flow equalization tank to achieve equalized flow to the treatment plant. The installation of the flow equalization tank in addition to the proper aeration and sludge return rates combined with appropriate solids management could improve the settleability of the sludge in the settling tank. In order to improve treatment of the sanitary wastewater at this facility all efforts should be made to complete installation of the equalization tank by June 29, 2007.

At the time of my inspection this facility appeared to be in substantial compliance with the terms and conditions of your NPDES permit. Please provide written documentation within **30 days** describing how the above items have or will be addressed and what process control measures will be initiated to better manage solids within the treatment plant. Enclosed is a copy of my detailed inspection report. If you have any questions please call me at (740) 380-5416.

Sincerely,



Jake Greuey  
District Representative  
Division of Surface Water

JJG/dh

Enclosure

c: Matt Stiers, Operator

**NPDES**  
Compliance Inspection Report

**A. NATIONAL DATA SYSTEM CODING**

Permit No.	NPDES No.	Date	Inspection Type	Inspector	Facility Type
OPR00089*AD	OH0099759	May 8, 2007	C	S	1

**B. FACILITY DATA**

Name and Location of Facility Inspected	Entry Time	Permit Effective Date
Go Mart #57 WWTP S.R. 285/ I-70 Old Washington, Ohio	1:00 p.m.	July 1, 2004
	Exit Time	Permit Expiration Date
	1:30 p.m.	June 30, 2009

Name(s) and Title(s) of On-Site Representative(s)	Phone Number(s)
Matt Stiers, Operator	(740) 584-1611
Name, Address and Title of Responsible Official	Phone Number
Mike Conant Go Mart, Inc. 64322 Wintergreen Road Lore City, Ohio 43755	

**C. AREAS EVALUATED DURING INSPECTION**

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

  
\_\_\_\_\_  
Jake Greaney, Inspector, Ohio EPA, Southeast District Office

5/22/07  
\_\_\_\_\_  
Date

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

5/22/07  
\_\_\_\_\_  
Date