



State of Ohio Environmental Protection Agency

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FILE COPY

June 19, 2009

The Honorable Melissa Hartfield
Mayor, Village of Granville
P.O. Box 514
141 East Broadway
Granville, OH 43023

Dear Mayor Hartfield:

Enclosed is a report regarding a Compliance Evaluation Inspection that Jacob Howdyshell and I performed at the Village of Granville wastewater treatment plant (WWTP) on June 1, 2009. During this inspection we met with Mr. Erik Holmquist the WWTP superintendent.

Attachment "A" in this report lists wastewater discharge permit effluent limitations violations during the period of time extending from April 1, 2008, through May 31, 2009. Continued violations are unacceptable.

During this inspection deficiencies were noted in the village's sludge management program. These deficiencies are discussed in the report.

It was good to hear that WWTP improvements are scheduled. This office supports the villages' continued efforts to provide capital improvements funding necessary to maintain and repair its aging WWTP and sanitary sewer collection system. Mr. Holmquist indicated that both the WWTP and sanitary sewer collection system are being evaluated by the village's consultants.

If there are questions regarding sludge management please contact Jacob Howdyshell by telephone at (614) 644-2018 or by e-mail at jacob.howdyshell@epa.state.oh.us. For other questions you may contact Jan Rice by telephone at 614-728-3850 or by e-mail at jan.rice@epa.state.oh.us.

Sincerely yours,

Jan A. Rice
Environmental Specialist
Field Operations Unit
Division of Surface Water
Central District Office

Jacob Howdyshell
Environmental Specialist
Biosolids Unit
Division of Surface Water
Central Office

c: Mr. Don Holycross, Village Administrator
Mr. Erik Holmquist, WWTP Superintendent

JAR/nsm Granville 6-1-09 CEI covtr

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



NPDES
Compliance Inspection Report

A. NATIONAL DATA SYSTEM CODING

Permit No. 4PC00006*FD	NPDES No. OH0023345	Date 6/1/09	Inspection Type C	Inspector S	Facility Type 1
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B. FACILITY DATA

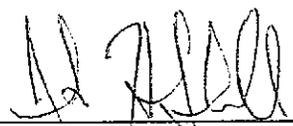
Name and Location of Facility Inspected Village of Granville Wastewater Treatment Plant (WWTP) 456 S. Main Street Granville, Ohio 43023	Entry Time 1:00 P.M.	Permit Effective Date 7/1/05
	Exit Time 4:30 P.M.	Permit Expiration Date 6/30/10

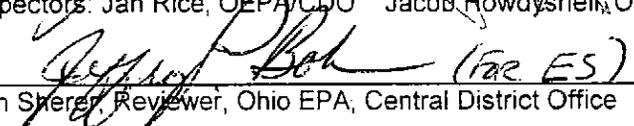
Name(s) and Title(s) of On-Site Representative(s) Erik Holmquist, Superintendent	Phone Number(s) 740-587-2304
Name(s) Address and Title(s) of Operator of Record Eric Holmquist, Superintendent 456 S. Main St., Granville, Ohio 43023	Phone Number(s)
Name, Address and Title of Responsible Official Don Holycross, Village Manager P.O. Box 514, 141 E. Broadway, Granville, Ohio 43023	Phone Number 740-587-0707

C. AREAS EVALUATED DURING INSPECTION (S = Satisfactory, M = Marginal, U = Unsatisfactory, N = Not Evaluated)

- S Permit
- M/S Records/Reports – sludge record deficiencies noted in report
- S Operations & Maintenance
- S Facility Site Review
- S Collection System
- S Flow Measurement
- S Laboratory
- U/S Effluent/Receiving Waters – effluent limitation violations are listed in Attachment "A"
- S Sludge Storage/Disposal
- N Pretreatment – no pretreatment program.
- S Compliance Schedules
- S Self-Monitoring Program
- Other

D. SUMMARY OF FINDINGS/COMMENTS:



6/19/09
 Inspectors: Jan Rice, OEPA/CDO Jacob Howdyshell, OEPA/CO Date


6/22/09
 Erin Sherrill, Reviewer, Ohio EPA, Central District Office Date

E. PERMIT VERIFICATION

Inspection Observations Verify the Permit	Yes	No	N/A	N/E
a. Correct name and mailing address of permittee	X			
b. Correct name and location of receiving waters	X			
c. Product(s) and production rates conform with permit application (industries)			X	
d. Flows and loadings conform with NPDES permit	X			
e. Treatment processes are as described in permit application/briefing memo	X			
f. New treatment process(es) added since last inspection		X		
g. Notification given to state of new, different, or increased discharges		X		
h. All discharges are permitted	X			
i. Number and location of discharge points are as described in permit	X			

F. COMPLIANCE SCHEDULES/VIOLATIONS

	Yes	No	N/A	N/E
a. Any significant violations since the last inspection	*X			
b. Permittee is taking actions to resolve violations	X			
c. Permittee has compliance schedule		X		
d. Compliance schedule contained in _____			X	
e. Permittee is meeting compliance schedule			X	

Comments: *a. – effluent limitation violations are listed in Attachment "A" of this report.

G. OPERATION AND MAINTENANCE

Treatment Facility Properly Operated and Maintained	Yes	No	N/A	N/E
a. Standby power available: Generator <u>X</u> Dual Feed _____	X			
b. Adequate alarm system available for power or equipment failures	X			
c. All treatment units in service other than backup units		*X		
d. Sufficient operating staff provided: # of shifts <u>1</u> <u>5</u> Days/Week with weekend checks	X			
e. Operator holds unexpired license of class required by permit Class: <u>III</u>	X			
f. Routine and preventive maintenance schedule/performed on time (Operator <u>10</u> prog.)	*X			
g. Any major equipment breakdown since last inspection		X		
h. Operation and maintenance manual provided and maintained	X			
i. Any plant bypasses since last inspection		X		
j. Regulatory agency notified of bypasses _____ on MORS _____ 800 Number _____			X	
k. Any hydraulic and/or organic overloads experienced since last inspection	*X			

Comments: *c. – only one of the two clarifiers is needed for service at this time. *f. – the WWTP is approximately 25 years old. The permittee must continue setting funds aside to maintain its aging WWTP to ensure wastewater discharge permit compliance. The superintendent indicated several improvements were scheduled. A Stamford Baffle is planned for installation in both clarifiers with the east clarifier being done first. The aeration tank air supply line is scheduled for replacement in the near future and an ultraviolet disinfection system is planned for installation. These improvements, when completed, should help minimize wastewater discharge permit effluent limitation violations. *k. – the superintendent indicated that the WWTP is subject to hydraulic surges during wet weather periods of time.

Collection System	Yes	No	N/A	N/E
a. Percent combined system: 0 %				
b. Any collection system overflows since last inspection (CSO ___ SSO 1)	X			
c. Regulatory agency notified of overflow (SSOs)	X			
d. CSO O and M plan provided and implemented			X	
e. CSOs monitored and reported in accordance with permit			X	
f. Portable pumps used to relieve system		X		
g. Lift station alarm systems provided and maintained	*X			
h. Are lift stations equipped with permanent standby power or equivalent	*X			
i. Is there an inflow/infiltration problem (separate sewer system), or were there any major repairs to collection system since last inspection	X			
j. Any complaints received since last inspection of basement flooding		X		
k. Are any portions of the sewer system at or near capacity				*X

Comments: *g. & h. – there are eight lift stations in the collection system and all have an alarm system. Five of the lift stations are equipped with permanent backup power and two others can be operated through use of portable backup power. Three of the lift stations have a connection for use of a portable pump if necessary.

*k. – the superintendent indicated that the village’s engineering consultant is preparing a master plan for the WWTP and sanitary sewer collection system and is reviewing the village’s user rate structure.

H. SLUDGE MANAGEMENT

a. Sludge Management Plan (SMP): 8/1/00 Submitted Date
01-283-PW Approval Number

	Yes	No	N/A	N/E
b. Sludge Management Plan current		*X		
c. Sludge adequately disposed (Method: land application)	X			
d. If sludge is incinerated, where is ash disposed of?			X	
e. Is sludge disposal contracted (Name: _____)		X		
f. Has amount of sludge generated changed significantly since last inspection		X		
g. Adequate sludge storage provided at plant	X			
h. Land application sites monitored and inspected per SMP	X			
i. Records kept in accordance with state and federal law	X			
j. Any complaints received in last year regarding sludge		X		
k. Is sludge adequately processed (digestion, dewatering, pathogen control)	*X			

Comments: *b. - sludge must be disposed in accordance with Ohio Administrative Code Chapter 3745-07.

*k - Pages 5 through 16 of this report provide an additional sewage sludge land application checklist used during this inspection. The current method of sludge treatment is to send waste activated sludge to two lateral flow thickeners with a capacity of 55,000 gallons each. In the thickeners, sludge per cent solids are raised to approximately two and one half. From the thickeners, the sludge is sent to two aerobic digesters with a capacity of 102,500 gallons each operated in series. After digestion, the sludge is sent to a one meter belt press capable of pressing 120 gallons per minute. The sludge is discharged from the belt press to one of two available concrete pads, twenty by forty feet each, located in the belt press building. From these pads, the sludge is moved to a thirty two by forty eight feet covered concrete pad before being removed for land application by the permittee.

During the inspection, the following violations were discovered in regards to sewage sludge management and record keeping:

- OAC 3745-40-04(E) states that "A permittee who generates bulk sewage sludge shall provide a label or information sheet to... the owner or lease holder of the land upon which the bulk sewage sludge is land applied. Such label or information sheet shall provide all notices and information necessary to comply with the requirements of this chapter including the following:

- 1) The name, address, telephone number, and NPDES permit number of the permittee;
- 2) A statement that the material is or contains a byproduct of wastewater treatment;
- 3) A statement that the Ohio EPA, division of surface water, may be contacted at 1-877-644-2001;
- 4) The concentration of total Kjeldahl nitrogen, ammonia nitrogen, total phosphorous, and total potassium of the sewage sludge in milligrams per kilogram (dry weight basis);..."

At the time of this inspection, it was not clear that this information was being provided to the landowner where sewage sludge application was occurring.

- OAC 3745-40-06(I) requires that the permittee who provides treatment to bulk sewage sludge develop and sign the following certification statements:

"I certify, under penalty of law, that the information that will be used to determine compliance with class (insert A or B) pathogen reduction alternative (insert one of the class A alternatives in paragraphs (N)(1) to (N)(6) of rule 3745-40-05 of the Administrative Code or one of the class B alternatives in paragraphs (O)(1) to (O)(3) of rule 3745-40-05 of the Administrative Code) was prepared under my direction and supervision in accordance with the system designed to ensure that qualified personnel properly gather and evaluate this information. I am aware that there are significant penalties for false certification including the possibility of fine and imprisonment."

and

I certify, under penalty of law, that the information that will be used to determine compliance with vector attraction reduction requirement (insert one of the vector attraction reduction requirements in paragraphs (Q)(1) to (Q)(8) of rule 3745-40-05 of the Administrative Code) was prepared under my direction and supervision in accordance with the system designed to ensure that qualified personnel properly gather and evaluate this information. I am aware that there are significant penalties for false certification including the possibility of fine and imprisonment."

The WWTP shall develop these certification statements and sign them in accordance with paragraph 3745-31-04 of the Ohio Administrative Code (according to that paragraph the superintendent of the WWTP shall sign the statements). These statements shall be developed and signed at the end of each reporting period to verify the pathogen and vector attraction reduction for that reporting period. The statements for 5 years and copies of the statements shall be submitted yearly with the annual sewage sludge use/disposal report.

- OAC 3745-40-06(I) requires that the permittee who provides treatment to bulk sewage sludge develop a description of how the pathogen reduction requirements of rule 3745-40-05 of the Administrative Code are met and a description of how the vector attraction reduction requirements of rule 3745-40-05 of the Administrative Code are met, and keep these descriptions for a minimum of five years and make them available to the Ohio EPA upon request.

At the time of the inspection, these descriptions were not available. The WWTP shall develop these descriptions to keep on file at the treatment plant.

At the time of this inspection all pollutant analysis records for sewage sludge for the previous five years were not available, however, Mr. Holmquist has since provided those records which will be made available at the treatment plant from this point forward.



SEWAGE SLUDGE LAND APPLICATION INSPECTION

Date of Inspection: 6/1/09
Inspector Name: JACOB HOWDYSHEN, JAN R

Facility Name GRANVILLE

Facility Address: 456 S. MAIN ST.
City:
Zip:

Mailing Address:
City:
Zip:

Contacts Present

Name: ERIC HOLMQUIST
Title: SUPERINTENDENT
Phone: 740 (740) 587-2304
Fax:

Name:
Title:
Phone:
Fax:

I. Facility Information

Facility Background

SCHOOL IN

Average Daily Flow (MGD)	0.6, 0.3
Sewage Sludge Class	EQ (B) Unknown
Sewage Sludge Storage Capacity (Days)	>120
Contracted Alternative (if applicable)	

Facility Sewage Sludge Treatment Process(es)

Treatment Process	# Units	Notes
AERATION TANK	1	608,000 GALLONS (NOT CURRENTLY AERATED)
LATERAL FLOW THICKENER	2	55,000 GALLONS EACH
AEROBIC DIGESTERS	2	102,500 GALLONS EACH (SERIES)

Belt Press	1	1M (120 gpm)
CONCRETE PADS	2	20'x40'

Covered Holding Pad 1 32'x48'

II. Management Practices

General Facility Sewage Sludge Treatment

<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> N/A	1. Are the sewage sludge treatment units being operated/maintained in accordance with the manufacturer's specifications?
<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> N/A	2. Does the facility have adequate equipment redundancy (ie. back-up sewage sludge treatment units)?
Yes <input checked="" type="radio"/> No <input type="radio"/> N/A	3. Does the facility have any plans for upgrades to any of the sewage sludge treatment units? If so, explain:
Yes <input type="radio"/> No <input checked="" type="radio"/> N/A	4. Does the facility have a contingency plan for sewage sludge disposal?
<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> N/A	5. Is the sewage sludge handling operation adequate to manage the volume of sewage sludge generated?
Comments:	

Drying Beds, Gravity Thickener, Centrifuge, and Dissolved Air Flootation

N/A

Average percent (%) solids before thickening:	1.5	Average percent (%) solids before thickening:	2 1/2
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Yes <input checked="" type="radio"/> No <input type="radio"/> N/A	1. Is primary unstabilized sewage sludge fed to the drying beds, gravity thickener, or centrifuge?
<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> N/A	2. Is the sewage sludge mixed with other materials, including coagulants, before or after thickening?

Average percent (%) solids before mixing sewage sludge with other materials:	
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Comments:	
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Aerobic Digestion

N/A

	1. Sewage sludge fed to the aerobic digester includes: <input type="checkbox"/> Primary <input checked="" type="checkbox"/> Secondary <input type="checkbox"/> Combined
Yes No <input type="radio"/> N/A	2. Aerobic digester is operated at proper temperature? <input type="checkbox"/> Cryophilic (<10° C = <50° F) <input type="checkbox"/> Mesophilic (10° to 42° C = 50° to 108° F) <input type="checkbox"/> Thermophilic (>42° C = >108° F)
Comments:	

Anaerobic Digestion

N/A

	1. Sewage sludge fed to the aerobic digester includes: <input type="checkbox"/> Primary <input type="checkbox"/> Secondary <input type="checkbox"/> Combined
	2. Anaerobic digester operating mode: <input type="checkbox"/> High Rate* <input type="checkbox"/> Low Rate <small>*Utilize a combination of active mixing and elevated temperatures.</small>
Yes No N/A	3. Aerobic digester is operated at proper temperature? <input type="checkbox"/> Cryophilic (35° C = 95° F) <input type="checkbox"/> Thermophilic (55° C = 131° F)
Comments:	

Composting

N/A

	1. Type of sewage sludge composting performed: <input type="checkbox"/> In Vessel <input type="checkbox"/> Static Piles <input type="checkbox"/> Windrows
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	2. Type of sewage sludge composted includes: <input type="checkbox"/> Primary <input type="checkbox"/> Secondary <input type="checkbox"/> Combined
Yes No N/A	3. Is the moisture content of the composting operation monitored?
Yes No N/A	4. Is the compost mixed? If so, number of turnings: <input type="text"/>
Yes No N/A	5. Is the oxygen content of the compost monitored?
Yes No N/A	6. Is the temperature of the compost monitored?
Yes No N/A	7. Are total and total volatile solids of the compost monitored?
Yes No N/A	8. Active Phase (days): <input type="text"/> Curing Phase (days): <input type="text"/>
Comments:	

Land Application

N/A

	1. Sewage sludge is applied to: <input checked="" type="checkbox"/> Authorized Sewage Sludge Site <input type="checkbox"/> Unauthorized Sewage Sludge Site <input type="checkbox"/> Forest <input type="checkbox"/> Reclamation Site <input type="checkbox"/> Lawn or Garden <input type="checkbox"/> Public Contact Site (ie. park, etc.)
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Yes No **N/A**

2. Are Class A pathogen reduction requirements met (indicate method being performed)?

- Alt. 1 - Fecal Coliform <1,000 MPN/g total solids, or Salmonella <3 MPN/4 g total solids, and time/temperature:
 - >7% solids at >50° C (>122°F) for >20 minutes (no warmed gases or immiscible liquid).
 - >7% solids at >50° C (>122°F) for >15 seconds (warmed gases or immiscible liquid).
 - <7% solids at X° C for >15 seconds to <30 minutes.
 - <7% solids at >50° C (>122°F) for >30 minutes.

- Alt. 2 - Fecal Coliform <1,000 MPN/g total solids, or Salmonella <3 MPN/4 g total solids, and pH > 12 for 72 hours.

- Alt. 3 - Fecal Coliform <1,000 MPN/g total solids, or Salmonella <3 MPN/4 g total solids, and other processes:
 - Enteric virus is <1 plaque forming unit (PFU) per 4 grams of total solids (TS) **PRIOR** to pathogen treatment (PT).
 - Enteric virus is >1 PFU per 4 grams of TS prior to PT but is <1 per 4 grams of TS **AFTER** PT.
 - Helminth ova is <1 per 4 grams of TS **PRIOR** to PT.
 - Enteric virus >1 PFU per 4 grams of TS prior to PT, but is <1 per 4 grams of TS **AFTER** PT.

- Alt. 4 - Fecal Coliform <1,000 MPN/g total solids, or Salmonella <3 MPN/4 g total solids, and unknown processes:
 - Enteric virus is <1 PFU per 4 grams of TS at disposal.
 - Helminth ova is <1 per 4 grams of TS at disposal.

- Alt. 5 - Fecal Coliform <1,000 MPN/g total solids, or Salmonella <3 MPN/4 g total solids, and PFRP:
 - 1. Composting.
 - 2. Heat drying.
 - 3. Heat treatment.
 - 4. Thermophilic aerobic digestion.
 - 5. Beta ray irradiation.
 - 6. Gamma ray irradiation.
 - 7. Pasteurization.

- Alt. 6 - Equivalent process.

<p><input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> N/A</p>	<p>3. Are Class B pathogen reduction requirements met (indicate method being performed)?</p> <p><input checked="" type="checkbox"/> Alt. 1 -Geometric mean of seven Fecal Coliform samples with <2,000,000 MPN/g total dry solids or <2,000,000 Colony Forming Units/g total dry solids.</p> <p><input type="checkbox"/> Alt. 2 - PSRP 1 aerobic digestion. Mean cell residence time and temperature shall be between 40 days at 20°C (68°F) and 60 days at 15°C (59°F).</p> <p>Average mean cell residence time (days): <input type="text"/></p> <p>Average temperature (°C) : <input type="text"/></p> <p><input type="checkbox"/> PSRP 2 air drying. Sewage sludge dried on sand beds or basins for 3 months at an ambient average daily temperature >0°C (>32°F)</p> <p><input type="checkbox"/> PSRP 3 anaerobic digestion. Mean cell residence time and temperature shall be between 15 days at 35°-55°C (95°-131°F) and 60 days at 20°C (68°F).</p> <p>Average mean cell residence time (days): <input type="text"/></p> <p>Average temperature (°C) : <input type="text"/></p> <p><input type="checkbox"/> PSRP 4 composting. Sewage sludge temperature is raised to >40°C (>104°F) for 5 days. Temperature must exceed 55°C (>131°F) for 4 hours during the 5 day period.</p> <p><input type="checkbox"/> PSRP 5 lime treatment. Lime is added to sewage sludge to raise the pH to 12 after 2 hours of contact.</p>
<p><input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> N/A</p>	<p>4. Are the Class B signage requirements being satisfied?</p>

<p>Yes No N/A</p>	<p>5. Are Class B site restrictions being practiced (indicate restrictions being performed)?</p> <ul style="list-style-type: none"> <input type="checkbox"/> Food crops (above ground) are harvested >14 months after sewage sludge application. <input type="checkbox"/> Food crops (below ground) are harvested >20 months after sewage sludge application when sewage sludge remains on ground >4 months before soil incorporation. <input type="checkbox"/> Food crops (below ground) are harvested >38 months after sewage sludge application when sewage sludge remains on ground <4 months before soil incorporation. <input checked="" type="checkbox"/> Food crops, feed crops, and fiber crops are harvested >30 days after sewage sludge application. <input type="checkbox"/> Animal grazing allowed on land only >30 days after sewage sludge application. <input type="checkbox"/> Turf grown on land where sewage sludge was applied not harvested for >1 year if placed on land with high potential for public exposure or lawn. <input type="checkbox"/> Public access restricted to land with a high potential for public exposure for 1 year. <input checked="" type="checkbox"/> Public access restricted to land with a low potential for public exposure for 30 days.
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Yes <input type="radio"/> No <input checked="" type="radio"/> N/A	<p>6. Are bulk sewage sludge site restrictions being practiced (indicate restrictions being performed)?</p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> No threatened or endangered species present or critical habitat affected at the site where sewage sludge is applied. <input checked="" type="checkbox"/> Bulk sewage sludge is not applied to frozen or snow covered ground unless applied >100 feet from waters of the state and appropriate ground cover maintained. <input checked="" type="checkbox"/> Bulk sewage sludge is not applied <33 feet from waters of the state. <input checked="" type="checkbox"/> Bulk sewage sludge is applied at a rate equal or less than the agronomic rate. <input type="checkbox"/> Label affixed no bag or information sheet provided to user of sold and given away sludge indicating name of sludge preparer, application instruction, and maximum annual whole sludge application rate.
Yes <input type="radio"/> No <input checked="" type="radio"/> N/A	<p>7. Are bulk sewage sludge general requirements being practiced (indicate restrictions being performed)?</p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Sewage sludge is not applied to a site where the cumulative pollutant loading or annual application rate has been reached.. <input type="checkbox"/> Notification given to the sludge applier regarding total nitrogen content of the sludge. <input checked="" type="checkbox"/> Sufficient information required to comply with OAC 3745-40. <input checked="" type="checkbox"/> Sewage sludge site authorization packet submitted to Ohio EPA regarding the location of land application sites, appropriate NPDES permit numbers.

<p>Yes No N/A</p>	<p>7. Is a vector attraction reduction method being met (indicate method being performed)?</p> <p><input checked="" type="checkbox"/> 38% Volatile Solids Reduction.</p> <p>VS Red. = (VS In - VS Out) / ((VS In) - (VS, In x VS, Out)) x 100%</p> <p><input type="checkbox"/> 40-day bench scale test. Volatile Solids reduced <17% (anaerobic digestion only)</p> <p><input type="checkbox"/> 30-day test bench scale . Volatile Solids reduced <15% (aerobic digestion only)</p> <p><input type="checkbox"/> Specific Oxygen Uptake Rate <1.5 mg/hr/gm Total Solids at 20°C (68°F).</p> <p><input type="checkbox"/> Aerobic process for >14 days at >40°C (104°F) with average sewage sludge temperatures at 45°C (113°F).</p> <p><input type="checkbox"/> pH >12 for 2 hours and pH >11.5 for 22 hours.</p> <p><input type="checkbox"/> Sewage sludge with no unstabilized solids contains >75% Total Solids prior to mixing with other materials.</p> <p><input type="checkbox"/> Sewage sludge with unstabilized solids contains >90% Total Solids prior to mixing with other materials.</p> <p><input type="checkbox"/> Subsurface injection.</p> <p><input type="checkbox"/> Soil incorporation within 6 hours for Class B or within 8 hours for EQ.</p>
<p>Comments:</p>	

Other Management Practices

N/A

	<p>1. The facility performs another sewage sludge treatment process (indicate which other management practice is being performed)</p> <p><input type="checkbox"/> Surface Disposal.</p> <p><input type="checkbox"/> Landfilling.</p> <p><input type="checkbox"/> PPG Lime Lakes.</p>
<p>Comments:</p>	

III. NPDES Permit Verification

<p><input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> N/A</p>	<p>1. Are OAC 3745-40 sewage sludge frequency and monitoring parameters contained in the facility's current NPDES permit?</p>
	<p>2. Sewage sludge disposal practice(s):</p> <p style="padding-left: 40px;">A. Land Application <input checked="" type="checkbox"/></p> <p style="padding-left: 80px;">Bulk Sewage Sludge <input type="checkbox"/></p> <p style="padding-left: 80px;">Bulk Material Derived from <input type="checkbox"/></p> <p style="padding-left: 80px;">Sewage Sludge Sold or Given <input type="checkbox"/></p> <p style="padding-left: 80px;">Away in Bag or Other Container <input type="checkbox"/></p> <p style="padding-left: 40px;">B. Surface Disposal <input type="checkbox"/></p> <p style="padding-left: 40px;">C. Sewage Sludge Incineration <input type="checkbox"/></p> <p style="padding-left: 40px;">D. Onsite or Offsite Disposal <input type="checkbox"/></p> <p style="padding-left: 40px;">E. Other: <input type="checkbox"/></p>
<p><input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> N/A</p>	<p>3. Is the sewage sludge disposal practice authorized by current NPDES permit?</p>
<p><input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> N/A</p>	<p>4. If the authorized sewage sludge disposal practice changes, will notification be given to Ohio EPA prior to the change?</p>
<p><input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> N/A</p>	<p>5. The facility is utilizing sewage sludge land application sites that have been previously authorized by Ohio EPA.</p>
<p>Comments:</p>	

Monitoring and Reporting

<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> N/A	1. Is facility self-monitoring occurring at the frequencies specified for the parameters located in the facility's NPDES permit or OAC 3745-40?
<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> N/A	2. Is the facility reporting parameters using Ohio EPA form 4500?
<input type="radio"/> Yes <input type="radio"/> No <input type="radio"/> N/A	3. Is facility self-monitoring data available for all regulated pollutants for the previous five years?
<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> N/A	4. Do monthly operating reports show pollutant concentrations below ceiling concentrations shown in OAC 3745-40-05(F)(1)?
<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> N/A	5. Do monthly operating reports show pollutant concentrations below monthly average concentrations shown in OAC 3745-40-05(F)(3)?
<input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> N/A	6. Are general requirements and management practices applied for sewage sludge not meeting monthly average concentrations shown in OAC 3745-40-05(F)(3)?
<input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> N/A	7. Are sewage sludge records adequate to assess compliance with annual and/or cumulative pollutant loading rates?
<input type="radio"/> Yes <input checked="" type="radio"/> No <input type="radio"/> N/A	8. Are pathogen and vector attraction reduction method descriptions and certification statements available for the previous five years?
<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> N/A	9. Are records available for all sewage sludge use or disposal practices available for the previous five years?
<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> N/A	10. Have the facility's sewage sludge sites been tested for pH and Phosphorus within two years of land application?
<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> N/A	11. Are accurate records of sewage sludge volume or mass maintained for the previous five years?
<input type="radio"/> Yes <input checked="" type="radio"/> No <input type="radio"/> N/A	12. Are monitoring and analysis being performed more frequently than required by the facility's NPDES permit?
<input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> N/A	If so, are the results being reported to Ohio EPA?
<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> N/A	13. Do sewage sludge treatment unit operation records verify compliance with pathogen reduction and vector attraction reduction requirements, when appropriate?
<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> N/A	14. Are sewage sludge samples taken at the locations specified in the facility's NPDES permit?

<input checked="" type="radio"/> Yes No N/A	15. Are sewage sludge sample locations and methods appropriate for obtaining representative samples?
<input checked="" type="radio"/> Yes No N/A	16. Sample collection procedures:
Yes No N/A	A. Adequate sample volumes obtained?
Yes No N/A	B. Proper preservation techniques utilized?
Yes No N/A	C. Containers conform to appropriate analytical methods specified in OAC 3745-40?
Yes No N/A	D. Samples analyzed within the appropriate time frames specified in OAC 3745-40?
<input checked="" type="radio"/> Yes No N/A	17. Are analytic results reported on a dry weight basis (mg/kg)?
<input checked="" type="radio"/> Yes No N/A	18. Are samples refrigerated subsequent to compositing?
<input checked="" type="radio"/> Yes No N/A	19. Are chain-of-custody procedures employed?
<input checked="" type="radio"/> Yes No N/A	20. Are the analytic methods used approved in OAC 3745-40?
Comments:	

- INFORMATION SHEET
- POLLUTANT ANALYSIS (07 + 08)
- CERT. STATEMENTS + PATH., VAR. DESCRIPTIONS

I. SELF-MONITORING PROGRAM

Part 1 - Flow Measurement	Yes	No	N/A	N/E
a. Primary flow measuring device properly operated & maintained. Type of device: ___ ultrasonic & parshall flume calculated from influent ___ weir Other X ultrasonic & weir Specify: _____	X			
b. Calibration frequency adequate (date of last calibration 8/15/08)	X			
c. Secondary instruments (totalizers, recorders etc.) properly operated and maintained	X			
d. Flow measurement equipment adequate to handle expected ranges of flows	X			
e. Actual flow discharged is measured	X			
f. Flow measuring equipment inspection frequency: X Daily Weekly ___ Monthly ___ Other				

Part 2 - Sampling	Yes	No	N/A	N/E
a. Sampling location(s) are as specified by permit	X			
b. Parameters and sampling frequency agree with permit	X			
c. Permittee uses required sampling method	X			
d. Sample collection procedures are adequate	X			
i. Samples refrigerated during compositing	*X			
ii. Proper preservation techniques used				X
iii. Containers and sample holding times prior to analyses conform with 40 CFR 136.3				X
e. Monitoring records (e.g., flow, pH, D.O., etc.) maintained for a minimum of three years including all original strip chart recordings (e.g., continuous monitoring instrumentation, calibration, and maintenance records)	X			
f. Adequate records maintained of sampling date, time, exact location, etc.	X			

Comments: d.i. - a thermometer should be placed within each composite sampler to check accuracy of the sampler temperature gauge.

Part 3, Laboratory - General	Yes	No	N/A	N/E
a. EPA approved analytical testing procedures used (40 CFR 136.3)				X
b. If alternate analytical procedures are used, proper approval has been obtained				X
c. Analyses being performed more frequently than required by permit		X		
d. If (c) is yes, are results reported in permittee's self-monitoring report			X	
e. Commercial laboratory used				
1. Parameters analyzed by commercial lab: O&G, nitrite/nitrate, cyanide, metals, mercury, biosolids testing, suspended solids, CBOD, ammonia, phosphorus				
2. Lab name: MASI	X			

Village of Granville
Wastewater Treatment Plant
Effluent Limitation Violations
4/1/08 – 5/31/09

Permit No	Reporting Period	Station	Reporting Code	Parameter	Limit Type	Limit	Reported Value	Violation Date
4PC00006*FD	July 2008	001	00610	Nitrogen, Ammonia (NH3)	30D Conc	3.5	4.975	7/1/2008
4PC00006*FD	July 2008	001	80082	CBOD 5 day	30D Conc	12	12.875	7/1/2008
4PC00006*FD	July 2008	001	00610	Nitrogen, Ammonia (NH3)	7D Conc	5.3	9.05	7/8/2008
4PC00006*FD	July 2008	001	00610	Nitrogen, Ammonia (NH3)	7D Conc	5.3	9.05	7/15/2008
4PC00006*FD	July 2008	001	80082	CBOD 5 day	7D Conc	18	21	7/15/2008
4PC00006*FD	August 2008	001	00552	Oil and Grease, Hexane	1D Conc	10	32.9	8/5/2008
4PC00006*FD	September 2008	001	00300	Dissolved Oxygen	1D Conc	5.0	3.7	9/30/2008

