



FILE COPY

State of Ohio Environmental Protection Agency

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P.O. Box 1049  
Columbus, OH 43216-1049

June 24, 2009

The Honorable Michael Ebert  
Mayor, Village of Canal Winchester  
36 S. High Street  
Canal Winchester, OH 43110-1213

Dear Mayor Ebert:

Attached is a report regarding a Compliance Evaluation Inspection that Jacob Howdysshell and I from this office performed at the Village of Canal Winchester wastewater treatment plant (WWTP) on June 3, 2009. Present during the inspection was Steven Smith the plant manager.

Compliance with final effluent limitations has continued to improve since the time of the last inspection in March, 2008. Progress has continued with work necessary minimize intrusion of both surface and groundwater into the village's sanitary sewer collection system. Installation of a new sludge press at the WWTP will help provide more consistent solids removal from the plant thus benefiting wastewater discharge permit compliance.

As noted in the report there are several compliance issues regarding sludge management that the plant manager is addressing. **At this time, the Village of Canal Winchester is not in compliance with Chapter 3745-40 of the Ohio Administrative Code.** Please submit a written response by July 20, 2009 detailing how violations referenced in this report will be corrected.

If there are questions regarding sludge management please contact Jacob Howdysshell by telephone at (614) 644-2018 or by e-mail at [jacob.howdysshell@epa.state.oh.us](mailto:jacob.howdysshell@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](mailto:jan.rice@epa.state.oh.us).

Sincerely yours,

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

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

Enclosure

c: Matt Peoples, Director of Public Works  
Steve Smith, Manager, Division of Water Reclamation

JAR/JH/nsm CanalWinchester6-3-09CEIcovtr

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



**NPDES**  
Compliance Inspection Report

**A. NATIONAL DATA SYSTEM CODING**

<b>Permit No.</b> 4PB00012*JD	<b>NPDES No.</b> OH0024333	<b>Date</b> 6/3/09	<b>Inspection Type</b> CEI	<b>Inspector</b> S	<b>Facility Type</b> 1
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**B. FACILITY DATA**

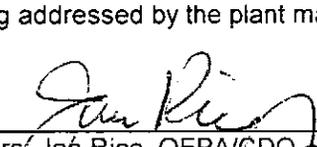
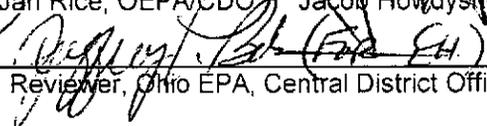
<b>Name and Location of Facility Inspected</b> Village of Canal Winchester Water Reclamation Facility 400 Ashbrook Road Canal Winchester, Ohio 43110	<b>Entry Time</b> 9:00 A.M.	<b>Permit Effective Date</b> 10/1/08
	<b>Exit Time</b> 12:00 P.M.	<b>Permit Expiration Date</b> 6/30/13

<b>Name(s) and Title(s) of On-Site Representative(s)</b> Steven Smith, Manager of Water Reclamation	<b>Phone Number(s)</b> 614-837-2254
<b>Name(s) Address and Title(s) of Operator of Record</b> Steven Smith, Water Reclamation Manager, 400 Ashbrook Road, Canal Winchester Ohio 43110	<b>Phone Number(s)</b> 614-837-2254
<b>Name, Address and Title of Responsible Official</b> Matt Peoples, Director of Public Works, 36 South High St., Canal Winchester, Ohio 43110	<b>Phone Number</b> 614-834-5111

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

- S Permit
- M/S Records/Reports – sludge records deficiencies noted during inspection.
- S Operations & Maintenance
- S Facility Site Review
- S Collection System
- S Flow Measurement
- S Laboratory
- M/S Effluent/Receiving Waters – infrequent effluent limitation violations as noted in Attachment "A" of this report
- S/S Sludge Storage/Disposal
- N Pretreatment – no pretreatment program
- M Compliance Schedules – an operator of record form must be submitted as required in the permit schedule of compliance
- S Self-Monitoring Program
- Other

**D. SUMMARY OF FINDINGS/COMMENTS:** Since the time of the last inspection in March, 2008 the permittee has continued to improve both its sanitary sewer collection system and wastewater treatment plant. Issues noted in this report are being addressed by the plant manager.

  
 Inspectors: Jan Rice, OEPA/CDO     Jacob Howdystell, OEPA/CO  
  
 Erin Sherer, Reviewer, Ohio EPA, Central District Office

\_\_\_\_\_  
 Date 6/24/09  
 \_\_\_\_\_  
 Date 6/25/09

Sections E through K: Complete on all inspections as appropriate (N/A = Not Applicable N/E = Not Evaluated)

**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			

**Comments:** \*f. – a sludge press and covered sludge storage area have been installed.

**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 permit	X			
e. Permittee is meeting compliance schedule		*X		

**Comments:** \*a. – effluent limitations violations are included in Attachment "A" of this report. The violation frequency has greatly declined since the last inspection on March 6, 2008. \*e. – an operator of record form must be submitted as required in the compliance schedule.

**G. OPERATION AND MAINTENANCE**

Treatment Facility Properly Operated and Maintained	Yes	No	N/A	N/E
a. Standby power available: Generator X 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: 1 Days/Week: 5 with weekend checks	X			
e. Operator holds unexpired license of class required by permit Class: III	X			
f. Routine and preventive maintenance schedule/performed on time	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		

Collection System	Yes	No	N/A	N/E
a. Percent combined system: 0 %				
b. Any collection system overflows since last inspection (CSO ___ SSO <u>X</u> )	*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:** \*b., \*f. – a pump station at Chesterville and Waterloo Drive overflowed during a wet weather event. A portable pump was used during this overflow event. \*i. – the permittee is continuing investigation of its collection system for removal of I/I sources. Equipment has been purchased to allow smoke testing and system flow monitoring. k. - the Ashbrook Village lift station is being evaluated to determine its capacity in relation to the volume of wastewater that may be routed to it in the future.

## H. SLUDGE MANAGEMENT

- a. Sludge Management Plan  
(SMP): N/A

	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: Wheelers Biosolids)	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.

\*i., \*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 available aerobic digesters with a capacity of approximately 180,000 gallons each. From the digesters, the sludge is sent to a fan press for dewatering to approximately fifteen per cent solids and stored on a covered thirty six by sixty feet concrete storage pad prior to land application or being sent to landfill.

For pathogen reduction, the treatment plant relies on fecal coliform monitoring to meet Ohio EPA regulations. For vector attraction reduction, the treatment plant relies on immediate incorporation of the sewage sludge after land application to meet Ohio EPA regulations.

During this inspection, the following violations were noted:

- OAC 3745-40-06(A) states the following:

"For land applied sewage sludge, the frequency of monitoring for the pollutants established in rule 3745-40-05 of the Administrative Code, the pathogen reduction requirements established in paragraphs (N)(1) to (N)(6) and (O)(1) of rule 3745-40-05 of the Administrative Code, and the vector attraction reduction requirements established in paragraphs (Q)(1) to (Q)(8) of rule 3745-40-05 of the Administrative Code, shall be in accordance with table A-1 of this rule."

**Per Table A-1 of rule 3745-40-06, the WWTP should be monitoring for pathogen reduction at least twice per year. At the time of this inspection, two sets of monitoring results for fecal coliform were not available for 2005, 2006, and 2008.**

- OAC 3745-40-06(I) states the following:

"The permittee who provides treatment to bulk sewage sludge shall develop the following information, shall retain the information for five years, and shall make the information available to the division upon request:

(5) The following certification statement signed by the permittee:  
"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."

**At the time of this inspection, certification statements were not available from 2005, 2006, and 2007.**

- OAC 3745-40-06(l) requires that the permittee who provides treatment to bulk sewage sludge develop and retain 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.

**At the time of this inspection, these descriptions were not available. These descriptions need to detail which options you are planning to meet, how you are going to meet them (i.e. what kind of tests need to be run, where to get samples from, how many samples to take, etc.), and need to be kept on site so staff at the treatment plant understand them.**

**At this time, the Canal Winchester WWTP is not in compliance with Chapter 3745-40 of the Ohio Administrative Code. Please submit a written response by July 20, 2009, detailing how the above violations will be corrected.**



**SEWAGE SLUDGE LAND APPLICATION  
INSPECTION**

Date of Inspection: 6/3/09  
Inspector Name: JACOB HOWDYSHELL

Facility Name CANAL WINCHESTER

Facility Address: 400 ASHBROOK RD.
City:
Zip: 43110

Mailing Address: 36 S. HIGH ST.
City:
Zip: 43110

**Contacts Present**

Name: STEVE SMITH
Title: SUPERINTENDENT
Phone: (614) 837-2254
Fax:

Name:
Title:
Phone:
Fax:

**I. Facility Information**

**Facility Background**

Average Daily Flow (MGD)	1.0
Sewage Sludge Class	EQ (B) Unknown
Sewage Sludge Storage Capacity (Days)	90
Contracted Alternative (if applicable)	LANDFILL

(EXTRA TANKS AVAILABLE, BUT NOT USED)

**Facility Sewage Sludge Treatment Process(es)**

Treatment Process	# Units	Notes
AEROBIC DIGESTERS	2	180,000 GALLONS EACH
<del>FAV</del> FAN PRESS	1	80 gpm (15% SOLIDS)
COVERED CONCRETE PAD	1	36' x 60' (60 DAYS STORAGE)

~~ESSE~~


## II. Management Practices

### General Facility Sewage Sludge Treatment

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

### Drying Beds, Gravity Thickener, Centrifuge, and Dissolved Air Floatation

~~N/A~~

Average percent (%) solids before thickening:		Average percent (%) solids before thickening:	
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Yes   No   N/A	1. Is primary unstabilized sewage sludge fed to the drying beds, gravity thickener, or centrifuge?
Yes   No   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 <u>N/A</u>	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:	PARALLEL - INDEPENDENT 14 DAYS TREATMENT

**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"/>
<b>Comments:</b>	

**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>Yes No 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 &lt;2,000,000 MPN/g total dry solids or &lt;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 &gt;0°C (&gt;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 &gt;40°C (&gt;104°F) for 5 days. Temperature must exceed 55°C (&gt;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>Yes No N/A</p>	<p>4. Are the Class B signage requirements being satisfied?</p>

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

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

**III. NPDES Permit Verification**

<p><input checked="" type="radio"/> Yes   No   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>A. Land Application <input checked="" type="checkbox"/></p> <p>Bulk Sewage Sludge <input type="checkbox"/></p> <p>Bulk Material Derived from Sewage Sludge Sold or Given Away in Bag or Other Container <input type="checkbox"/></p> <p>B. Surface Disposal <input type="checkbox"/></p> <p>C. Sewage Sludge Incineration <input type="checkbox"/></p> <p>D. Onsite or Offsite Disposal <input type="checkbox"/></p> <p>E. Other: <input type="checkbox"/></p>
<p><input checked="" type="radio"/> Yes   No   N/A</p>	<p>3. Is the sewage sludge disposal practice authorized by current NPDES permit?</p>
<p><input checked="" type="radio"/> Yes   No   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   No   N/A</p>	<p>5. The facility is utilizing sewage sludge land application sites that have been previously authorized by Ohio EPA.</p>
<p><b>Comments:</b></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 checked="" 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)?
Yes <input checked="" 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)?
Yes <input checked="" type="radio"/> No <input 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)?
Yes <input checked="" type="radio"/> No <input type="radio"/> N/A	7. Are sewage sludge records adequate to assess compliance with annual and/or cumulative pollutant loading rates?
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?
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?
Yes <input type="radio"/> No <input checked="" type="radio"/> N/A	If so, are the results being reported to Ohio EPA?
Yes <input checked="" 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?

→ FECAL TESTS MISSING

<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:			

- HIT ON ARSENIC IN '08 (63 mg/kg)
- FECELS ONLY RAN ONCE/YEAR IN 05 + 06 , NONE DONE IN FIRST HALF OF 08.
- CERT. STATEMENTS STARTED IN '08.
- DEVELOP 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: <input type="checkbox"/> ultrasonic & parshall flume      calculated from influent <input type="checkbox"/> weir      Other <input type="checkbox"/> ultrasonic & weir      Specify: <u>effluent (bubbler with flume)</u>	X			
b. Calibration frequency adequate (date of last calibration: 3/25/09)	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: <input checked="" type="checkbox"/> Daily <input type="checkbox"/> Weekly <input type="checkbox"/> Monthly <input type="checkbox"/> 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			

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: all metals, O&G, nitrite/nitrate, bioassays, low level mercury. 2. Lab name: MASI, TCCI, Ginosko	X			



Attachment "A"  
 Village of Canal Winchester  
 Effluent Limitations Violations  
 Monitoring Station 4PB00012001  
 3/1/08 – 5/31/09

Permit No	Reporting Period	Station	Reporting Code	Parameter	Limit Type	Limit	Reported Value	Violation Date
4PB00012*ID	March 2008	001	00530	Total Suspended Solids	30D Qty	112.6	145.343	3/1/2008
4PB00012*ID	March 2008	001	00530	Total Suspended Solids	7D Conc	18	27.4	3/15/2008
4PB00012*ID	March 2008	001	00530	Total Suspended Solids	7D Qty	168.9	381.531	3/15/2008
4PB00012*JD	May 2009	001	00610	Nitrogen, Ammonia (NH3)	7D Conc	1.5	4.	5/15/2009
4PB00012*JD	May 2009	001	00610	Nitrogen, Ammonia (NH3)	7D Qty	14.1	14.6560	5/15/2009

