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State of Ohio Environmental Protection Agency

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June 30, 2009

Mr. Jeff Hickman
Ohio Department of Rehabilitation & Corrections
Southeast Correctional Institute
5900 B.I.S. Road
Lancaster, OH 43130

Dear Mr. Hickman:

Enclosed is a report regarding a Reconnaissance Inspection that Jacob Howdysshell and Jan Rice from this office conducted at the Southeast Correctional Institute (SCI) wastewater treatment plant (WWTP) on June 10, 2009. The purpose of the inspection was to determine compliance with permit final effluent limitations and with the Ohio Sewage Sludge Rules, Chapter 3745-40 of the Ohio Administrative Code (OAC).

Mr. Jeff Hickman, Superintendent, and Mr. Ned Mathias, Coordinator, were present and provided information on sludge operations and record keeping. The inspection included a walk-through of the plant, a review of sewage sludge records, and completion of the enclosed checklist.

Attachment "A" of the report lists wastewater discharge permit effluent limitations violations that have occurred since the time of the last inspection in August, 2008. Continued violations are unacceptable. The permittee is in the process of working with its consultants for upgrade of this wastewater treatment plant. Staff from the Ohio EPA Compliance Assistance Unit (CAU) has visited this facility again to assess the WWTP. CAU staff is preparing a report containing guidance for possible improvements

Attachment "B" of this report lists deficiencies noted during review of this facility's sludge management program. As noted by this report and the enclosed checklist, the Southeastern Ohio Correctional Institute WWTP sewage sludge management program has not been in compliance with OAC Chapter 3745-40.

Also, there was a pile of sewage sludge located on the concrete storage pad that had been located there for quite some time. Dried sewage sludge is allowed to remain in storage at the WWTP for up to, but not to exceed, two years. If this pile has been in storage for longer than two years, it shall be immediately removed from the WWTP for disposal in a landfill or land applied in accordance with Chapter 3745-40 of the OAC.

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

Mr. Jeff Hickman
Ohio Department of Rehabilitation & Corrections
Southeast Correctional Institute
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Please submit a written response to the attention of Jacob Howdyshell by July 24, 2009 detailing how the WWTP will correct the violations outlined in the enclosed report before land application resumes.

A website link http://www.epa.state.oh.us/dsw/policy/01_28u_nc.pdf provides Policy 0100.028 (Ohio Sewage Sludge Rules) for your review. Included as Attachment "C" of this report are examples of certification statement sheets that may be created to comply with the regulations.

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

Enclosure

c: Mr. Ron Chaney, Ohio Dept. of Rehabilitation & Corrections
Mr. Mark Clarridge, Ohio Dept. of Rehabilitation & Corrections

NPDES
Compliance Inspection Report

A. NATIONAL DATA SYSTEM CODING

Permit No. 4PP00011*CD	NPDES No. OH1010630	Date 6/10/09	Inspection Type R	Inspector S	Facility Type 2
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B. FACILITY DATA

Name and Location of Facility Inspected Ohio Department of Rehabilitation & Correction 5900 B.I.S. Road Lancaster, Ohio 43130	Entry Time 9:00 A.M.	Permit Effective Date 11/1/02
	Exit Time 10:45 A.M.	Permit Expiration Date 10/31/07

Name(s) and Title(s) of On-Site Representative(s) Jeff Hickman, Superintendent	Phone Number(s) 740-653-4324 (ext.:2117)
Name(s) Address and Title(s) of Operator of Record	Phone Number(s)
Name, Address and Title of Responsible Official Ron Chaney, ODRC Engr. Dpt., 820 Freeway Dr. N., Columbus, Ohio 43229	Phone Number 614-752-1052

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

- N Permit
- M/M Records/Reports - sludge management deficiencies as listed in Attachment "B" were noted during this inspection. A checklist used during the sludge inspection is also included in Attachment "B".
- N Operations & Maintenance
- M Facility Site Review - rated marginal due to the poor condition of various older components in this WWTP.
- N Collection System
- N Flow Measurement
- N Laboratory
- M/S Effluent/Receiving Waters - wastewater discharge permit effluent limitation violations are listed in Attachment "A" of this report. Continued violations are unacceptable.
- S/S Sludge Storage/Disposal
- N Pretreatment
- N Compliance Schedules
- N Self-Monitoring Program

D. SUMMARY OF FINDINGS/COMMENTS: The permittee is in the process of working with its consultants for upgrade of this wastewater treatment plant. Staff from the Ohio EPA Compliance Assistance Unit (CAU) has visited this facility again to assess the plant. CAU staff is preparing a report containing guidance for possible improvements.

Inspectors: Jan Rice, OEPA/CDO Jacob Howdyshell, OEPA/CO

6/30/09
Date

Erin Sherer, Reviewer, Ohio EPA, Central District Office

6/30/09
Date

Attachment "A"
 ODR&C
 Effluent Limitation Violations
 6/1/08 – 5/31/09

Permit No	Reporting Period	Station	Reporting Code	Parameter	Limit Type	Limit	Reported Value	Violation Date
4PP00011*CD	July 2008	001	31616	Fecal Coliform	7D Conc	2000	3349.62	7/8/2008
4PP00011*CD	October 2008	001	31616	Fecal Coliform	30D Conc	1000	1161.95	10/1/2008
4PP00011*CD	October 2008	001	31616	Fecal Coliform	7D Conc	2000	4000.	10/1/2008
4PP00011*CD	October 2008	001	31616	Fecal Coliform	7D Conc	2000	3000.	10/8/2008
4PP00011*CD	December 2008	001	01119	Copper, Total Recoverable	30D Conc	29	33.	12/1/2008
4PP00011*CD	December 2008	001	01119	Copper, Total Recoverable	30D Qty	0.029	.0328	12/1/2008

Attachment "B"
ODRC (Southeast Facility) Biosolids Compliance Inspection Checklist

Currently, waste activated sludge is sent to an aerobic digester with a capacity of 75,000 gallons and an aerated holding tank with a capacity of approximately 20,000 gallons for treatment. After aeration, the sludge is currently land applied in liquid form. In cases of storage capacity issues, the sludge is sent to one of four sand drying beds of various sizes. The sludge is removed from the sand drying beds and placed on a concrete storage pad that is forty-eight feet by forty-eight feet. Sludge from the storage pad is sent to landfill.

The WWTP claims to have met pathogen reduction through aerobic digestion and vector attraction reduction through injection of the sewage sludge.

During the inspection, the following violations were found in regards to treatment of the sewage sludge and recordkeeping:

- 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 our inspection, there were no records to indicate that this information was being provided to the end users of the sewage sludge.

- OAC 3745-40-04(G) states that "Land application of liquid bulk sewage sludge shall be at the agronomic rate for the reasonably expected yield or the available water capacity of the soil, whichever is less at the time of land application."

At the time of our inspection, there were no records to indicate that the sewage sludge had been land applied at agronomic rates.

- OAC 3745-40-05(K) states the following: "One of the class A pathogen requirements in paragraphs (N)(1) to (N)(6) of this rule or one of the class B pathogen requirements in paragraphs (O)(1) to (O)(3) of this rule and, when applicable, the site restrictions in paragraph (P) of this rule, shall be met when sewage sludge is applied to the land."

Personnel at the treatment plant felt that they were meeting class B pathogen reduction through aerobic digestion. However, at the time of our inspection there were no records available to prove that the requirements for aerobic digestion had been met. As discussed during the inspection, it is recommended that the treatment plant monitor for fecal coliform to meet the requirements for pathogen reduction.

- OAC 3745-40-06(E) states that "For authorized sites, the frequency of monitoring for soil pH and soil phosphorous level (Bray-Kurtz P1 extraction or Mehlich 3 extraction) shall be such that the most recent results are not more than two years old at the time of bulk sewage sludge land application."

Records were not available at the time of our inspection to show that land application sites had been tested for pH and soil phosphorous.

- 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:

(1) The concentration of each pollutant listed in paragraph (F) of rule 3745-40-05 of the Administrative Code..."

At the time of our inspection, records of pollutant analysis for the previous five years were not available.

- 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."

At the time of our inspection there were no records of certification statements available for review.

- OAC 3745-40-06(I) 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 our inspection, these descriptions were not available.

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

The person who land applies 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:

(1) A description of how the land application agronomic management requirements of rule 3745-40-04 of the Administrative Code are met for each site on which bulk sewage sludge is applied;

(2) For class B sewage sludge, a description of how the site restrictions of rule 3745-40-05 of the Administrative Code are met for each site on which bulk sewage sludge is applied;

(3) When applicable, a description of how the vector attraction reduction requirements in paragraphs (Q)(9) to (Q)(10) of rule 3745-40-05 of the Administrative Code are met for each site on which bulk sewage sludge is applied;

(4) The agronomic rate calculations used to determine the bulk sewage sludge loading rate in dry tons per acre for each site on which bulk sewage sludge is applied;

(5) The following certification statement signed by the person who land applies bulk sewage sludge:

"I certify, under penalty of law, that the information that will be used to determine compliance with the land application agronomic management requirements of rule 3745-40-04 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.";

(6) When applicable, the following certification statement signed by the person who land applies bulk sewage sludge:

"I certify, under penalty of law, that the information that will be used to determine compliance with the site restrictions in 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

(7) When applicable, the following certification statement signed by the person who land applies bulk sewage sludge:

"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)(9) to (Q)(10) 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 the information. I am aware that there are significant penalties for false certification including the possibility of fine and imprisonment."

At the time of our inspection, none of the above required records and certification statements were available for review.



SEWAGE SLUDGE LAND APPLICATION INSPECTION

Date of Inspection: 6/10/09

Inspector Name: JACOB HOWDYSHELL, JAN RICE

Facility Name: SOUTHEASTERN OHIO CI

Facility Address: 5900 BIS RD.
City: LANCASTER
Zip: 43130

Mailing Address:
City:
Zip:

Contacts Present

Name: JEFF HICKMAN
Title: SUPERINTENDENT
Phone: (740) 653-4324 EXT. 2117
Fax:

Name: NED MATHIAS
Title: COORDINATOR
Phone:
Fax:

L. Facility Information

Facility Background

Table with 2 columns: Field (Average Daily Flow, Sewage Sludge Class, etc.) and Value (0.240, EQ B Unknown, 90, LANDFILL)

Facility Sewage Sludge Treatment Process(es)

Table with 3 columns: Treatment Process, # Units, Notes. Rows include Aerobic Digester, AERATED HOLDING, and SAND DRYING BEDS.

CONCRETE PAD	1	asphalt 48' x 48'

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:
<input checked="" type="radio"/> Yes <input type="radio"/> No <input 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 Floatation

 N/A

Average percent (%) solids before thickening:	2 1/2	Average percent (%) solids before thickening:	~12-15
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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?
Yes <input checked="" type="radio"/> No <input type="radio"/> N/A	2. Is the sewage sludge mixed with other materials, including coagulants, before or after thickening?

USED IN EMERGENCY ONLY

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 checked="" type="checkbox"/> Primary <input checked="" type="checkbox"/> Secondary <input checked="" type="checkbox"/> Combined
Yes No <input checked="" 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.

Yes No N/A

3. Are Class B pathogen reduction requirements met (indicate method being performed)?

HAD MARKED
AEROBIC
DIGESTION
- NO TIME
AND TEMP
RECORDS

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.

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).

Average mean cell residence time (days):

Average temperature (°C):

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)

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).

Average mean cell residence time (days):

Average temperature (°C):

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.

PSRP 5 lime treatment. Lime is added to sewage sludge to raise the pH to 12 after 2 hours of contact.

Yes No N/A

4. Are the Class B signage requirements being satisfied?

<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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<p>Yes <input checked="" type="radio"/> No <input type="radio"/> N/A</p> <p>NO CALCS-</p> <p>NO SHEET</p>	<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 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.
<p>Yes <input checked="" type="radio"/> No <input type="radio"/> N/A</p> <p>NO METAL TESTS AFTER INITIAL</p>	<p>7. Are bulk sewage sludge general requirements being practiced (indicate restrictions being performed)?</p> <ul style="list-style-type: none"> ? <input 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 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 checked="" 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 checked="" type="checkbox"/> Landfilling.</p> <p><input type="checkbox"/> PPG Lime Lakes.</p>
<p>Comments:</p>	

III. NPDES Permit Verification

<p>Yes <input checked="" 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>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: <u>LANDFILL</u></p>
<p>Yes <input checked="" 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?
Yes <input checked="" type="radio"/> No <input type="radio"/> N/A	3. Is facility self-monitoring data available for all regulated pollutants for the previous five years?
Yes <input type="radio"/> No <input checked="" 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 type="radio"/> No <input checked="" 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 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)?
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?
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?
Yes <input checked="" 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?

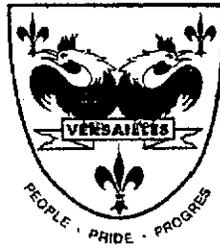
NOT
SURE
IF
FARMER
HAS

<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:
<input checked="" type="radio"/> Yes	No	N/A	A. Adequate sample volumes obtained?
<input checked="" type="radio"/> Yes	No	N/A	B. Proper preservation techniques utilized?
<input checked="" type="radio"/> Yes	No	N/A	C. Containers conform to appropriate analytical methods specified in OAC 3745-40?
<input checked="" type="radio"/> Yes	No	N/A	D. Samples analyzed within the appropriate time frames specified in OAC 3745-40?
Yes	No	<input checked="" type="radio"/> 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:			

- SEND COPY OF POLICY
- EXAMPLE CERT. STATEMENT
- PHOSPHOROUS TEST (RIGHT ONE)
- jeff.huckman@odrc.state.oh.us

Founded in 1819

The VILLAGE OF
PO Box 288
Versailles, Ohio 45380-0288



VERSAILLES OHIO
Telephone (937) 526-3294
Fax (937) 526-4476

Facility: Village of Versailles WWTP
300 Grand Ave.
Versailles, Ohio 45380

Ohio EPA Certification Statement

Reporting Period: _____

"I certify, under penalty of law, that the information that will be used to determine compliance with the land application agronomic management requirements of rule 3745-40-04 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."

Date

Signature of Official

Title

WEB SITE www.versaillesohio.cc

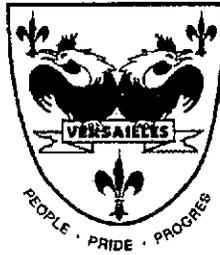
American Municipal Utilities



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Versailles, Ohio 45380

Ohio EPA Certification Statement

Reporting Period: _____

"I certify, under penalty of law, that the information that will be used to determine compliance with vector attraction reduction alternative (Q),(1), 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."

Date

Signature of Official

Title

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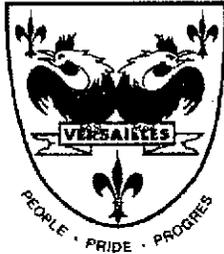
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Versailles, Ohio 45380

Ohio EPA Certification Statement

Reporting Period: _____

"I certify, under penalty of law, that the information that will be used to determine compliance with vector attraction reduction alternative (Q),(9), 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."

Date

Signature of Official

Title

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American Inland Empire



For Community With Purpose

