



State of Ohio Environmental Protection Agency

Southeast District Office

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Logan, Ohio 43138

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

February 23, 2010

**Re: Tuscarawas County
Newcomerstown WWTP
Compliance Evaluation Inspection
Correspondence (PWW)**

Mayor and Council
Village of Newcomerstown
124 West Church Street
P.O. Box 151
Newcomerstown, Ohio 43832

Dear Mayor and Council:

On April 8, 2008 and January 12, 2010, I conducted a compliance sampling inspection and a compliance evaluation inspection at the Newcomerstown Wastewater Treatment Plant. The purpose of the inspections was to determine compliance with the terms and conditions of National Pollutant Discharge Elimination System (NPDES) Permit Number OPD00024*JD, to evaluate wastewater treatment plant performance and to prepare for and complete the NPDES renewal process. Mr. Tom Sauerbrey, Mr. Ken Schweitzer and Ms. Billie Burtscher were present during both inspections.

As a result of the inspections, I have two (2) main issues that deserve the Mayor and Council's immediate attention; they are:

- NPDES Permit Renewal and Record Keeping at the Newcomerstown WWTP.
- Operational controls at the Newcomerstown WWTP.

NPDES Permit Renewal and Record Keeping at the Newcomerstown WWTP:

- The renewal permit which becomes effective on March 1, 2010, includes the new certified operator language and reclassifies the wastewater treatment plant as a Class II facility.
- Ohio Administrative Code (OAC) 3745-7-04 (C)(1) states, "The operator of record of a Class II facility shall at a minimum, be physically present at the treatment works and fulfill the time requirements of 5 days per week for a minimum of 20 hours per week and perform technical operation as assigned by the permittee of the treatment works."
- Ohio Administrative Code (OAC) 3745-7-01 (L)(4 & 5) defines an "Operator of record as an individual identified as being the on-site certified operator or one of the on-site certified operators responsible for the technical operation of a sewerage system or treatment works."

- Ohio Administrative Code 3745-7-02 (A)(2) states "Each person owning or operating a treatment works or sewerage system, ... shall designate one or more operator of record to oversee the technical operation of the treatment works, sewerage system... Each operator of record shall have a valid certification of a class equal to or greater than the classification of the treatment works, sewerage system, or wastewater treatment facility. It does not appear the Operator of Record Form has been completed for the wastewater treatment plant. I have enclosed the Operator of Record Form which needs to be completed and returned to Ohio EPA. I strongly urge you to list all certified operators on this form that can fulfill the minimum staffing requirement during sickness and vacations.
- Ohio Administrative Code 3745-7-09 outlines the recordkeeping requirements and responsibilities of a certified operator. At the time of my inspection, I was informed that log books were not being maintained. Please be aware that your operators were required to start maintaining these log books on December 21, 2006. I have enclosed a copy of OAC 3745-7-09 which outlines the requirements for log books.
- At the time of our January 12, 2010 inspection, we discussed the rule requirements for signatories on permit applications and reports. I have enclosed a copy of 40 CFR 122.22 which outlines who may sign reports required from the village and how to designate someone else under the rule.

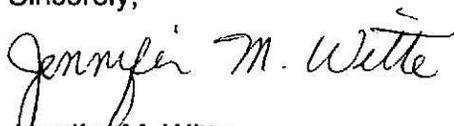
Operational controls at the Newcomerstown WWTP:

1. Please find enclosed a copy of the results from our compliance sampling event which was conducted on April 7 and 8, 2008. Samples were collected from outfall 001 for analysis by Ohio EPA and were split with the village. The sample results appear to indicate compliance with effluent limits set forth in the NPDES permit. Comprehensive results are contained in the attached tables.
2. At the time of the January 12th inspection, there was a significant amount of screenings lying on the ground around the mechanical bar screen and the trash hopper serving the bar screen. This material should be cleaned up on a regular basis to prevent odors and rodents.
3. At the time of the January 12th inspection, the grit system was out of service because the grit pump bearings had been replaced and the non-potable water line needed to be replaced with a potable water line. I understand the bearings failed, because the non-potable water plugged the holes in the cooling water line. I understand the village has been unable to get the potable water line and back-flow preventer installed because of the inclement weather.
4. At the time of the January 12th inspection, we observed a pipe next to the grit equipment that had severe corrosion and holes in it. I understand this pipe is coming from the influent wet well. It will be necessary to repair or replace this pipe. Please inform this office why this problem has occurred and when the village has corrected the problem.

5. Part III, Item 3 (A) of your NPDES permit states "At all times, the permittee shall maintain in good working order and operate as efficiently as possible all treatment or control facilities or systems installed or used by the permittee necessary to achieve compliance with the terms and conditions of this permit. To comply with this requirement, the village must repair all equipment that is in a state of disrepair.
6. At the time of the January 12th inspection, one of the two primary clarifiers was out of service. I understand the village took the north unit off-line in May 2009 in order to install new decking and railings on the walkway. I understand the south primary clarifier and the two old final clarifiers are also scheduled to be completed once the north primary clarifier has been put back on-line.
7. At the time of the January 12th inspection, the trickling filter media looked crushed in numerous areas. It will be necessary for the village to replace the crushed/broken media. At the time of our inspection, I was informed that the trickling filter stairs had been sand blasted and painted during summer 2009.
8. During our January 12th inspection, we were informed sludge is being pressed every four to six weeks rather than once every six months now. Sludge is now being taken to the landfill more frequently, because the village was experiencing a settling problem in their clarifiers. I understand Ohio EPA's compliance assistance unit has been to the plant to assist with the settling problem.
9. At the time of our April 8, 2008 inspection, I was informed that the flow meters had not been calibrated since January 12, 2007. During my January 12, 2010 inspection, I was informed that the flow meters had not been calibrated since July 7, 2008. Flow meters must be calibrated annually by a certified technician. I understand Control Associates calibrated all flow meters on February 15 and 16, 2010.

The wastewater treatment plant was given marginal and unsatisfactory ratings for the reasons mentioned above. Copies of our completed inspection reports are enclosed. Please submit a written response to the aforementioned comments within 30 days of receipt of this letter. The assistance and cooperation received during both inspections was appreciated. If you have any questions, please contact me at (740) 380-5206.

Sincerely,



Jennifer M. Witte
Chemical Engineer – Environmental Specialist II
Division of Surface Water

JMW/dh

Enclosures

c: Tom Sauerbrey, Superintendent, Village of Newcomerstown WWTP

**NPDES
Compliance Inspection Report**

A. NATIONAL DATA SYSTEM CODING

Permit No.	NPDES No.	Date	Inspection Type	Inspector	Facility Type
OPD00024*JD	OH0026689	January 12, 2010	C	S	1

B. FACILITY DATA

Name & Location of Facility Inspected	Entry Time	Permit Effective Date
Village of Newcomerstown WWTP 60675 County Road 9 Newcomerstown, Ohio 43832	10:45 a.m.	August 1, 2005
	Exit Time	Permit Expiration Date
	2:15 p.m.	January 31, 2010

Name(s) & Title(s) of On-Site Representative(s)	Phone Number(s)
Tom Sauerbrey, Superintendent	(740) 498-7330
Billie Burtscher, Laboratory Technician	(740) 498-7246
Ken Schweitzer, Operator	
Name, Address, & Title of Responsible Official	Phone Number
Thomas Sauerbrey, Superintendent 777 East State Street Newcomerstown, Ohio 43832	(740) 498-7330

C. AREAS EVALUATED DURING INSPECTION

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

(S = Satisfactory; M = Marginal; U = Unsatisfactory; N = Not Evaluated; N/A = Not Applicable)

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

See attached letter.

Jennifer M. Witte
Jennifer M. Witte, Inspector, Ohio EPA, Southeast District Office

2/24/10
Date

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

2/24/10
Date

E. PERMIT VERIFICATION

Inspection Observations Verify the Permit	YES	NO	N/A	N/E
a. Correct name & mailing address of permittee	X			
b. Correct name & location of receiving waters	X			
c. Product(s) & production rates conform with permit application (industries)			X	
d. Flows & 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 & 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	

G. OPERATION AND MAINTENANCE

Treatment Facility Properly Operated & 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: No. of shifts: <u>1</u> Days/Week: <u>7</u>	X			
e. Operator holds unexpired license of class required by permit. Class: <u>III</u>	X			
f. Routine & preventive maintenance schedule/performed on time	X			
g. Any major equipment breakdown since last inspection	X			
h. Operation & maintenance manual provided & maintained	X			
i. Any plant bypasses since last inspection		X		
j. Regulatory agency notified of bypasses: _____ on MORS _____ 800 No.			X	
k. Any hydraulic and/or organic overloads experienced since last inspection		X		

Comments:

- a. The generator is turned on once per week for one hour and is loaded once per month.
- c.&g. Grit system and one primary clarifier were out of service
- d. The facility operates with three operators Sunday through Saturday from 7:00 a.m. to 3:00 p.m.
- e. There are three Class III and one Class II operator. The sewer crew consists of two employees and the WWTP crew consists of two operators and one laboratory technician.

Collection System	YES	NO	N/A	N/E
a. Percent combined system: <u>0</u> %			X	
b. Any collection system overflows since last inspection: CSO <u> </u> SSO: <u> </u>		X		
c. Regulatory agency notified of overflow (SSOs)			X	
d. CSO O&M plan provided and implemented			X	
e. DSOs 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. Lift stations are equipped with telemetering.
h. Portable generators are available for backup power at pump stations, connections for portable pumps or vac truck to pump out sewage.

H. SLUDGE MANAGEMENT

	YES	NO	N/A	N/E
a. Sludge adequately disposed. Method: <u>Landfilling</u>	X			
b. If sludge is incinerated, where is ash disposed of?			X	
c. Is sludge disposal contracted? Name: <u> </u>		X		
d. Has amount of sludge generated changed significantly since last inspection		X		
e. Adequate sludge storage provided at facility	X			
f. Land application sites monitored and inspected per state rules			X	
g. Records kept in accordance with state rules	X			
h. Any complaints received in last year regarding sludge		X		
i. Is sludge adequately processed (digestion, dewatering, pathogen control) in accordance with Ohio EPA rules	X			

Comments: c. Sludge is pressed every four to six weeks and hauled to landfill for disposal.

SELF-MONITORING PROGRAM

Part 1 - Flow Measurement	YES	NO	N/A	N/E
a. Primary flow measuring device properly operated & maintained. Type of device: <u>X</u> ultrasonic & parshall flume <u> </u> calculated from influent <u> </u> weir <u>X</u> other <u> </u> ultrasonic & weir specify: <u>Magmeter - Influent</u>	X			
b. Calibration frequency adequate. Date of last calibration: <u>7/8/08*</u>		X		
c. Secondary instruments (totalizers, recorders, etc.) properly operated & 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: <u>X</u> Daily <u> </u> Monthly <u> </u> Weekly <u> </u> Other				

Comments: *Flow meters must be calibrated annually by a certified technician.

K. MULTIMEDIA OBSERVATIONS

Collection System	YES	NO	N/A	N/E
a. Are there indications of sloppy housekeeping or poor maintenance in work and storage areas or laboratories		X		
b. Do you notice staining or discoloration of soils, pavement, or floors		X		
c. Do you notice distressed (unhealthy, discolored, dead) vegetation		X		
d. Do you see unidentified dark smoke or dustclouds coming from sources		X		
e. Do you notice any unusual odors or strong chemical smells		X		
f. Do you see any open or unmarked drums, unsecured liquids, or damaged containment facilities		X		

If any of the above are observed, ask the following questions:

1. What is the cause of the conditions?
2. Is the observed condition or source a waste product?
3. Where is the suspected contaminant normally disposed?
4. Is this disposal permitted?
5. How long has the condition existed and when did it begin?

F. GUIDE – VISUAL OBSERVATION – UNIT PROCESS

OMB No. 158-R0035

RATING CODES: S = Satisfactory; U = Unsatisfactory; M = Marginal; IN = In Operation; OUT = Out of Operation

CONDITION OR APPEARANCE		RATING	COMMENTS
General	Grounds	S	
	Buildings	S	
	Potable Water Supply Prot.	S	VILLAGE
	Safety Features	S	REPLACING DECKING & RAILINGS ON NORTH PRIMARY CLARIFIERS
	Bypasses	S	REMOVED DURING UPGRADE
	Stormwater Overflows	--	
	Alternate Power Source	OUT	NEW GENERATOR TURNED ON FOR 1 HOUR PER WEEK
Preliminary	Maintenance of Collection Systems	S	
	Pump Station	S	
	Ventilation	S	
	Bar Screen	IN	1 UNIT; MECH; CLEANED 5 MIN/15 MIN PERIOD
	Disposal of Screenings	S	LANDFILLED; KIMBLE
	Bar Screen	OUT	EMERGENCY USE ONLY; COARSE UNIT
	Grit Chamber	OUT	1 UNIT; AUGER OPERATED 1/24 HOURS FOR 20 MIN.
	Disposal of Grit	S	LANDFILLED; KIMBLE
	Raw Sewage Pumps	IN	3 UNITS (1200 GPM); VARIABLE SPEED
	Grit Pump	OUT	1 UNIT; 85 GPM; BEARINGS REPLACED; NEED POTABLE H ₂ O INSTALLED
Primary	Settling Tanks	IN	2 UNITS; GRAY; OUT OF SERVICE
	Scum Removal	S	TO AEROBIC DIGESTERS
	Sludge Removal	S	TO AEROBIC DIGESTERS; WASTING EVERY 2 TO 3 HRS. PER 8 HRS.
	Effluent	S	
	Weirs	S	CLEANED - EVERY 2 WEEKS IN SUMMER & 1/MONTH IN WINTER
	Scum Box	IN	NEW; AFTER PRIMARY CLARIFIER
Sludge Disposal	Digesters	IN	2 PRIMARY TANKS & 2 STORAGE TANKS; PRIMARY UNITS OFF-LINE
	Temperature and pH	--	
	Gas Production	--	
	Heating Equipment	--	
	Sludge Pumps	IN	2 UNITS (150 GPM); PISTON; ROTATED BASED ON HOUR USAGE
	Belt Filter Press	OUT	USED EVERY 4-6 WEEKS
	Disposal of Sludge	S	LANDFILLING
	Dump Station	OUT	USED FOR SEWER VAC MACHINE
Other	Blowers	IN	7 UNITS (5-LARGE; 2-SMALL); 2 UNITS ON-LINE
	Flow Meter and Recorder	U	LAST CALIBRATED 7/8/08; MUST BE DONE ANNUALLY
	Records	M	
	Lab Controls	S	
Secondary Tertiary (list items as required)	Chemical Treatment	S	
	Trickling Filters	IN	2 UNITS; PARALLEL OPERATION; GRAY IN COLOR
	Recirculation Pumps	IN	5 UNITS; 2 PUMPS PER FILTER & 1 BACKUP UNIT
	Final Clarifiers	IN	3 UNITS; WEIRS CLEANED 1/WEEK IN SUMMER & 1/MONTH WINTER
	Sludge Removal	S	TO AEROBIC DIGESTERS; WASTED ½ DAYS
	Post Aeration	IN	
	Orbal Oxidation Ditch	IN	1 UNIT; 3 RINGS; 3 COVERED ROTORS PER RING; CHOCOLATE BROWN IN COLOR
RAS/WAS Pumps	IN	3 UNITS	
Disinfection	Effluent	S	VISUALLY CLEAR AND NO FOAMING
	Disinfection System	OUT	UV; 2 BANKS; SELF CLEANING; REQUIRED MAY 1 – OCT. 31
	Effective Dosage	--	
	Contact Time	S	
	Contact Tank	IN	1 UNIT
Dechlorination	--		

**NPDES
Compliance Inspection Report**

A. NATIONAL DATA SYSTEM CODING

Permit No.	NPDES No.	Date	Inspection Type	Inspector	Facility Type
OPD00024*JD	OH0026689	April 8, 2008	S	S	1

B. FACILITY DATA

Name & Location of Facility Inspected	Entry Time	Permit Effective Date
Village of Newcomerstown WWTP 60675 County Road 9 Newcomerstown, Ohio 43832	10:00 a.m.	August 1, 2005
	Exit Time	Permit Expiration Date
	11:30 a.m.	January 31, 2010

Name(s) & Title(s) of On-Site Representative(s)	Phone Number(s)
Tom Sauerbrey, Superintendent	(740) 498-7330
Billie Burtscher, Laboratory Technician	(740) 498-7246
Ken Schweitzer, Operator	
Name, Address, & Title of Responsible Official	Phone Number
Thomas Sauerbrey, Superintendent 777 East State Street Newcomerstown, Ohio 43832	(740) 498-7330

C. AREAS EVALUATED DURING INSPECTION

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

(S = Satisfactory; M = Marginal; U = Unsatisfactory; N = Not Evaluated; N/A = Not Applicable)

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

See attached letter.

Jennifer M. Witte
Jennifer M. Witte, Inspector, Ohio EPA, Southeast District Office

2/23/10
Date

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

2/24/10
Date

E. PERMIT VERIFICATION

Inspection Observations Verify the Permit	YES	NO	N/A	N/E
a. Correct name & mailing address of permittee	X			
b. Correct name & location of receiving waters	X			
c. Product(s) & production rates conform with permit application (industries)			X	
d. Flows & 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 & 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	

G. OPERATION AND MAINTENANCE

Treatment Facility Properly Operated & 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: No. of shifts: <u>1</u> Days/Week: <u>7</u>	X			
e. Operator holds unexpired license of class required by permit. Class: <u>III</u>	X			
f. Routine & preventive maintenance schedule/performed on time	X			
g. Any major equipment breakdown since last inspection		X		
h. Operation & maintenance manual provided & maintained	X			
i. Any plant bypasses since last inspection		X		
j. Regulatory agency notified of bypasses: _____ on MORS _____ 800 No.			X	
k. Any hydraulic and/or organic overloads experienced since last inspection		X		

- Comments:**
- a. The generator is turned on once per week for one hour and is loaded once per month.
 - c. Trickling filters off-line since Taste Apple not in operation.
 - d. The facility operates with three operators Sunday through Saturday from 7:00 am to 3:00 pm
 - e. There are three Class III and one Class II operator. The sewer crew consists of two employees and the WWTP crew consists of two operators and one laboratory technician.

Collection System	YES	NO	N/A	N/E
a. Percent combined system: <u>0</u> %			X	
b. Any collection system overflows since last inspection: CSO <u> </u> SSO: <u> </u>		X		
c. Regulatory agency notified of overflow (SSOs)			X	
d. CSO O&M plan provided and implemented			X	
e. DSOs 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. Lift stations are equipped with telemetering.
h. Portable generators are available for backup power at pump stations, connections for portable pumps or vac truck to pump out sewage.

H. SLUDGE MANAGEMENT

	YES	NO	N/A	N/E
a. Sludge adequately disposed. Method: <u>Landfilling</u>	X			
b. If sludge is incinerated, where is ash disposed of?			X	
c. Is sludge disposal contracted? Name: <u> </u>		X		
d. Has amount of sludge generated changed significantly since last inspection		X		
e. Adequate sludge storage provided at facility	X			
f. Land application sites monitored and inspected per state rules			X	
g. Records kept in accordance with state rules	X			
h. Any complaints received in last year regarding sludge		X		
i. Is sludge adequately processed (digestion, dewatering, pathogen control) in accordance with Ohio EPA rules	X			

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: <u>X</u> ultrasonic & parshall flume <u> </u> calculated from influent <u> </u> weir <u>X</u> other <u> </u> ultrasonic & weir specify: <u>Magmeter - Influent</u>	X			
b. Calibration frequency adequate. Date of last calibration: <u>1/12/07*</u>		X		
c. Secondary instruments (totalizers, recorders, etc.) properly operated & 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: <u>X</u> Daily <u> </u> Monthly <u> </u> Weekly <u> </u> Other				

Comments: *Flow meters must be calibrated annually by a certified technician.

K. MULTIMEDIA OBSERVATIONS

Collection System	YES	NO	N/A	N/E
a. Are there indications of sloppy housekeeping or poor maintenance in work and storage areas or laboratories		X		
b. Do you notice staining or discoloration of soils, pavement, or floors		X		
c. Do you notice distressed (unhealthy, discolored, dead) vegetation		X		
d. Do you see unidentified dark smoke or dustclouds coming from sources		X		
e. Do you notice any unusual odors or strong chemical smells		X		
f. Do you see any open or unmarked drums, unsecured liquids, or damaged containment facilities		X		

If any of the above are observed, ask the following questions:

1. What is the cause of the conditions?
2. Is the observed condition or source a waste product?
3. Where is the suspected contaminant normally disposed?
4. Is this disposal permitted?
5. How long has the condition existed and when did it begin?

L. SAMPLING PROCEDURES (FOR CSI'S)

- Grab samples obtained
- Composite obtained
- Compositing frequency: 220ml/15 min Preservation: H₂SO₄, HNO₃, NaOH, ice
- Flow proportioned sample obtained
- Automatic sampler used
- Sample split with permittee
- Chain of custody employed
- Sample obtained from facility sampling device
- Sample refrigerated during compositing: Yes: No:
- Sample representative of volume & nature of discharge: Yes

F. GUIDE – VISUAL OBSERVATION – UNIT PROCESS

OMB No. 158-R0035

RATING CODES: S = Satisfactory; U = Unsatisfactory; M = Marginal; IN = In Operation; OUT = Out of Operation

CONDITION OR APPEARANCE		RATING	COMMENTS
General	Grounds	S	
	Buildings	S	
	Potable Water Supply Prot.	S	VILLAGE
	Safety Features	M	WALKWAYS & RAILINGS ON CLARIFIERS NEED REPLACED
	Bypasses	S	REMOVED DURING UPGRADE
	Stormwater Overflows	--	
	Alternate Power Source	OUT	NEW GENERATOR TURNED ON FOR 1 HOUR PER WEEK
Preliminary	Maintenance of Collection Systems	S	
	Pump Station	S	
	Ventilation	S	
	Bar Screen	IN	1 UNIT; MECH; CLEANED 5 MIN PER 15 MIN. PERIOD
	Disposal of Screenings	S	LANDFILLED; KIMBLE
	Bar Screen	OUT	1 UNIT; COARSE; EMERGENCY USE ONLY
	Grit Chamber	IN	1 UNIT; AUGER OPERATED 1/24 HOURS FOR 20 MIN. PERIOD
	Disposal of Grit	S	LANDFILLED; KIMBLE
	Raw Sewage Pumps	IN	3 UNITS (1200 GPM); VARIABLE SPEED
	Grit Pump	IN	1 UNIT; 85 GPM
Primary	Settling Tanks	IN	2 UNITS MEDIUM GRAY IN COLOR
	Scum Box	IN	1 NEW UNIT; AFTER PRIMARY CLARIFIER
	Sludge Removal	S	TO AEROBIC DIGESTERS
	Sludge Removal	S	TO AEROBIC DIGESTERS; WASTING EVERY 2 TO 3 HRS. PER 8 HRS.
	Effluent	S	
	Weirs	S	CLEANED - EVERY 2 WEEKS
Sludge Disposal	Digesters	IN	2 PRIMARY TANKS AND STORAGE TANKS
	Temperature and pH	--	
	Gas Production	--	
	Heating Equipment	--	
	Sludge Pumps	IN	2 UNITS (150 GPM); PISTON
	Belt Filter Press	IN	ONLY USED TWICE PER YEAR (APRIL & OCT.)
	Disposal of Sludge	S	LANDFILLING ALL SLUDGE TWICE PER YEAR
	Dump Station	OUT	USED FOR SEWER VAC MACHINE
	Blowers	IN	7 UNITS (5-LARGE; 2-SMALL)
Other	Flow Meter and Recorder	U	LAST CALIBRATED 1/12/07; MUST BE DONE ANNUALLY
	Records	M	
	Lab Controls	S	
	Chemical Treatment	S	
Secondary Tertiary (list items as required)	Trickling Filters	OUT	2 UNITS
	Recirculation Pumps	OUT	5 UNITS; TURNED ON 1/MONTH TO PREVENT SEIZING
	Final Clarifiers	IN	3 UNITS; SLUDGE ON SURFACE BECAUSE OF HIGH FLOWS
	Sludge Removal	S	TO AEROBIC DIGESTERS
	Post Aeration	IN	
	Orbal Oxidation Ditch	IN	1 UNIT; 3 RINGS; 3 COVERED ROTORS PER RING
	RAS/WAS Pumps	IN	3 UNITS
Disinfection	Effluent	S	VISUALLY CLEAR AND NO FOAMING; OUTFALL SUBMERGED
	Disinfection System	OUT	UV; 2 BANKS; SELF CLEANING; REQUIRED MAY 1 – OCT. 31
	Effective Dosage	--	
	Contact Time	S	
	Contact Tank	IN	1 UNIT
	Dechlorination	--	

TABLE I

OHIO EPA FIELD DATA

FACILITY: Newcomerstown WWTP

DATES SAMPLED: April 7 & 8, 2008

<u>Station</u>	<u>Date</u>	<u>Time</u>	<u>Parameter</u>	<u>Units</u>	<u>Value</u>	<u>Permit Limits</u>
001	4/17	1010	pH	S.U.	7.27	6.5-9.0
			Temperature	°C	12.59	-
			Dissolved oxygen	mg/l	9.83	-
			Conductivity	umhos/cm	605	-
001	4/16	1000	pH	S.U.	8.54	6.5-9.0
			Temperature	°C	12.76	-
			Dissolved oxygen	mg/l	9.35	-
			Conductivity	umhos/cm	817	-

TABLE II

COMPLIANCE SAMPLING DATA

FACILITY: Newcomerstown WWTP

DATES SAMPLED: April 7-8, 2008

STATION	T*	PARAMETER	UNITS	OHIO EPA		ENTITY		PERMIT LIMITS	
				CONC.	(KG/D) LOAD.	CONC.	(KG/D) LOAD.	CONC.	(KG/D) LOAD.
001	C	Susp. solids	mg/l	<5	ND	6	43.1	45	213
	C	CBOD ₅	mg/l	<2	ND	4	28.8	40	189
	G	Cyanide, free	ug/l	<5	-	-	-	-	-
	G	Cyanide, tot.	ug/l	<10	-	-	-	-	-
	C	Ammonia	mg/l	0.088	-	0.001	-	-	-
	C	Nitrate-nitrite	mg/l	6.49	-	-	-	-	-
	C	TKN	mg/l	0.79	-	-	-	-	-
	C	Phosphorus	mg/l	0.662	-	-	-	-	-
	G	Oil & Grease	mg/l	<2.0	-	<3.0	-	10 max.	-
	C	Nickel, tot.	ug/l	2.1	-	-	-	-	-
	C	Copper, tot.	ug/l	3.6	-	-	-	-	-
	C	Cadmium, tot.	ug/l	<0.2	-	-	-	-	-
	C	Lead, tot.	ug/l	<2.0	-	-	-	-	-
	C	Chromium, tot.	ug/l	<2.0	-	-	-	-	-
	C	Mercury, tot.	ug/l	<0.2	-	-	-	-	-
	C	Zinc, tot.	ug/l	14	-	-	-	-	-
	G	Chrom. hex.	ug/l	<10	-	-	-	-	-
	C	Silver, tot.	ug/l	<0.2	-	-	-	-	-
		Flow, tot.	MGD			1.90			

*SAMPLE TYPE: G=grab; C=composite; ND =non-detectable