



**Environmental
Protection Agency**

Ted Strickland, Governor
Lee Fisher, Lt. Governor
Chris Korteski, Director

28 April 2010

Mayor and Council
Village of Arcanum
104 West South Street
Arcanum, OH 45304

**RE: Compliance Evaluation Inspection (CEI)
NOTICE OF VIOLATION – Significant Non-Compliance
Village of Arcanum Wastewater Treatment Facility
NPDES Permit 1PB0000*HD/OH0020940**

Ladies and Gentlemen:

On March 15, 2010, I conducted an evaluation of the Arcanum wastewater treatment facility and collection system. At the time of inspection, Curt Garrison, Village Administrator, Keir Smith, Utilities Superintendent, and Shawn Smith, Wastewater Superintendent, represented the municipality. Mike Bruns of Mote and Associates attended as well.

While the Village has made great strides in addressing the sewer collection system issues, the wastewater lagoon continues to discharge pollutant levels in violation of the NPDES permit limitations. Overall the facility was rated as "Unsatisfactory".

A response to this inspection report is requested. Provide a response to the item listed under the heading "Item Requiring a Response by **May 26, 2010**. Should you have any questions, I can be reached at (937) 285-6109 or joe.miller@epa.state.oh.us.

Sincerely,

Joe Miller
Division of Surface Water

cc: Darke County Health Department
Mike Bruns, Mote and Associates



Arcanum Wastewater Treatment Facility
Compliance Evaluation Inspection (CEI)
March 15, 2010

Overview

The Village of Arcanum operates a two-cell wastewater lagoon treatment system in series that discharges to Sycamore Ditch and subsequently to Painter Creek. The lagoons have an average design flow of 400,000 gallons per day. Arcanum's wastewater lagoons and collection system are permitted under NPDES permit 1PB00000*HD/OH0020940.

The Village of Arcanum completed the separation of the combined sewer system and eliminated the final three combined sewer overflows in September 2009. This marks the completion of a sewer separation project that extended over ten years and eliminated fourteen (14) combined sewer overflows that discharged into Painter Creek during wet weather events. The compliance schedule date for completion of the sewer separation is May 31, 2010.

The lagoon discharge has continually been in Significant Non-Compliance of the permitted effluent limitations throughout the duration of the sewer separation. A tabulation of effluent limitation violations from the period from June 2008 to March 2010 is attached. Total suspended solids (TSS) and carbonaceous biochemical oxygen demand five day (CBOD₅) limitations are consistently violated. Fecal coliform, nitrogen-ammonia (NH₃), and pH are frequently reported violations. Painter Creek was listed as **the most** impaired stream segment observed in the Stillwater River Watershed in the Stillwater River Watershed Total Maximum Daily Load (TMDL) Report (2009).

Total Phosphorus Limitation

The Stillwater River TMDL report includes total phosphorus (TP) limitations for municipal discharges on impaired stream segments. A 1.0 milligram per liter (mg/l) TP concentration limitation is included in NPDES permit 1PB00000*HD. The Compliance Schedule meets the TP limitation include the following benchmarks:

1. Begin an evaluation of the capability of the existing treatment facilities to reduce the effluent loadings of total phosphorus. Operational procedures, unit process configuration, and other appropriate measures shall be evaluated.
2. By December 2008, implement measures identified in the evaluation that can reasonably be expected to maximize the ability of the existing treatment facilities to achieve 551 kg/year total phosphorus loading (*equates to 1.0 mg/l concentration*). Permits to install shall be obtained if necessary.
3. If the reduction target of 551 kg/year total phosphorus is not achieved by implementing measures identified in the evaluation, submit a general to achieve the final effluent limit by June 2009.



The general plan for achieving the final effluent limit shall address, as a minimum, the following:

- a. The treatment technology required to achieve the reduction target.
 - b. Cost estimates of required improvements and operation, maintenance, and replacement costs for the improved facility.
 - c. A fixed date compliance schedule for meeting the final effluent limit for phosphorus. As a minimum, this schedule should include dates for: submission of approvable detail plans; completion of construction; attainment of operational level; notification of the Ohio EPA Southwest District Office within 14 days of attaining operational level; and achieving the final effluent limit for phosphorus not later than 36 months from the effective date of this permit.
 - d. The financial mechanism to be used to fund the required improvements, operation, maintenance, and replacement costs.
4. Attain compliance with the final effluent limit no later than December 2010.

The Village has reported that the addition of alum has been effective in total phosphorus reduction with the exception of time periods when freezing condition prohibit alum addition. Alum is currently being administered by pontoon. The dosage required for phosphorus reduction was reported to be substantial.

ITEM REQUIRING A RESPONSE

The continued non-compliant wastewater discharge to Sycamore Ditch and subsequently Painter Creek needs to be addressed. Failure to provide a plan that can reasonably be expected to bring the wastewater discharge into compliance with effluent limitations will result in this matter being forwarded for enforcement. Please note that it is likely that any enforcement action will include fines and penalties as well as require expedited upgrades to meet effluent limitations. Your response should include a plan of action to address the continued non-compliant discharge along with a schedule for construction and implementation.



Permit #: 1PB00000*H
 NPDES #: OH0020949



State of Ohio Environmental Protection Agency
 Southwest District Office

NPDES Compliance Inspection Report

Section A: National Data System Coding					
Permit #	NPDES#	Month/Day/Year	Inspection Type	Inspector	Facility Type
1PB00000*HD	OH0020949	3/15/2010	C	S	1

Section B: Facility Data		
Name and Location of Facility Inspected	Entry Time	Permit Effective Date
Village of Arcanum WWTF 19 Water Street Arcanum, OH 45304	10:00 AM	12/1/2007
	Exit Time	Permit Expiration Date
	12:05 PM	11/30/2012
Name(s) and Title(s) of On-Site Representatives	Phone Number(s)	
Curt Garrison, Village Administrator	937-692-8101	
Shawn Smith, WWTP Superintendent, ORC	937-692-8101	
Keir Smith, Utilities Superintendent	937-692-8101	
Mike Bruns, Mote & Associates	937-548-7511	
Name, Address and Title of Responsible Official	Phone Number	
Mayor and Council Village of Arcanum 104 West South Street Arcanum, Oh 45304	937-692-8101	

Section C: Areas Evaluated During Inspection					
(S = Satisfactory, M = Marginal, U = Unsatisfactory, N = Not Evaluated)					
S	Permit	S	Flow Measurement	N	Pretreatment
M	Records/Reports	N	Laboratory	M	Compliance Schedule
N	Operations & Maintenance	U	Effluent/Receiving Waters	S	Self-Monitoring Program
N	Facility Site Review	N	Sludge Storage/Disposal	N	Other
S	Collection System				

Section D: Summary of Findings (Attach additional sheets if necessary)	
Inspector	Reviewer
 Joe Miller Division of Surface Water Southwest District Office	 Martyn Burt Compliance & Enforcement Supervisor Division of Surface Water Southwest District Office
4/29/10 Date	4/29/10 Date



Sections E thru K: Complete on all inspections as appropriate
 Y – Yes, N – No, N/A – Not Applicable, N/E – Not Evaluated

Section E: Permit Verification

Inspection observations verify the permit

- | | |
|--|-----|
| (a) Correct name and mailing address of permittee | Y |
| (b) Flows and loadings conform with NPDES permit..... | Y |
| (c) Treatment processes are as described in permit application... | Y |
| (d) All discharges are permitted..... | Y |
| (e) Number and location of discharge points are as described
in permit..... | N |
| (f) Storm water discharges properly permitted..... | N/A |

Comments/Status:

Combined Sewer Separation completed September 2009. Current NPDES permit currently includes combined sewer overflows. Continue to code "no discharge" from CSOs on eDMRs until NPDES is either modified or renewed.

Section F: Compliance

- | | |
|---|-----|
| (a) Any significant violations since the last inspection..... | Y |
| (b) Appropriate Non-compliance notification of violations..... | Y |
| (c) Permittee is taking actions to resolve violations..... | N |
| (d) Permittee has a compliance schedule..... | Y |
| (e) Compliance schedule contained in...NPDES Permit Compliance Schedule | |
| (f) Permittee is in compliance with schedule..... | N |
| (g) Has biomonitoring shown toxicity in discharge since last inspection | N/A |

Comments/Status:

Compliance Schedule for Combined Sewer Separation has been fulfilled.
 Compliance Schedule for meeting Stillwater TMDL total phosphorus limitation not being met.
 -A total phosphorus limitation of 1.0 mg/l becomes effective December 2010. An evaluation of what measures can be implemented towards reducing total phosphorus in the effluent should be ongoing. If a permit to install is necessary to reduce effluent phosphorus, an application was required to be submitted by December 2008.

Continual violations of multiple effluent parameter limitations places this facility in Significant Non Compliance (SNC)



Section G: Operation & Maintenance

Treatment Works:

Treatment facility properly operated and maintained

(a) Standby power available.....generator or dual feed Y

i. What does the back-up power source operate.....

Lift station

ii. How often is the generator tested under load.....

1/month

(b) Which components have an alarm system available for power or equipment failures.....

(c) All treatment units in service other than backup units..... Y

(d) What method is used for scheduling routine & preventative maintenance (calendar, software, etc.)...**reactive**..... N

(e) Any major equipment breakdown since last inspection..... N

(f) Operation and maintenance manual provided and maintained..... Y

(g) Any plant bypasses since last inspection..... Y

(h) Any plant upsets since last inspection..... N

Comments/Status:

Current means of maintenance is reactive. A more proactive and preventative scheduled maintenance program needs to be implemented.



Section G: Operation & Maintenance con't

Record Keeping/Operator of Record:

- (a) Wastewater Treatment Works classification (OAC 3745-7) Class I Y
- (b) Operator of Record holds unexpired license of class required by Permit..... Y
- (c) Copy of certificate of Operator of Record displayed on-site..... Y
- (d) Has the Operator of Record submitted an ORC Notification form.. Y
- (e) Minimum operator staffing requirements fulfilled (OAC 3745-7.... Y
- (f) If a Staffing Reduction plan has been approved, are the stipulations of the plan being met..... N/A
- (g) Operator of Record log book provided..... Y
- (h) Format of log book (e.g. computer log, hard bound book)

Hard bound book
- (i) Log book kept onsite (in an area protected from weather)..... Y
- (j) Log book contains the following:
 - I. Identification of treatment works..... Y
 - II. Date/times of arrival/departure for Operator of Record and any other operator required by OAC 3745-7..... Y
 - iii. Daily record of operator and maintenance activities (including preventative maintenance, repairs and request for repairs, process control test results, etc.)..... Y
 - iv. Laboratory results (unless documented on bench sheets)... N
 - v. Identification of person making entries..... N
- (k) Has the Operator of Record submitted written notifications to the permittee, Ohio EPA and, if applicable, any local environmental agencies when a collection system overflow, treatment plant bypass or effluent limit violation has occurred..... Y

Comments/Status:

Shawn Smith is the Operator of Record and holds Class I WW certification.
Jeff Clark also holds Class I WW certification



Section G: Operation & Maintenance con't

Collection System:

- (a) Are there pump stations in the collection system..... Y
 - i. How many publicly-owned pump stations equipped with permanent standby power or equivalent.....1
 - ii. How many pump stations have telemetered alarms.....1
 - iii. How many pump stations have operable alarms.....1
- (b) Any chronic collection system overflows since last inspection..... Y
- (c) Regulatory agency notified of all overflows..... Y
- (d) CSOs in the collection system....if so, what is the LCTP status..... N

Combined sewer separation completed, CSOs were reported on eDMRs prior to completion.
- (e) How are CSOs monitored (chalk, block, level sensor, etc.)..... N/A
- (f) Portable pumps available for collection system maintenance..... N
- (g) RDII Program established and active..... N
- (h) Any WIB complaint received since last inspection..... Y
- (i) Is there a WIB response plan..... N
- (j) Is any portion of the collection system at or near dry weather Capacity..... N

Comments/Status:

All phases of sewer separation completed. All laterals replaced.

All combined sewer overflows closed with concrete.

WIB complaints were due to storm water.

Infiltration and inflow have been obvious since the separation of the combined sewer. Currently the Village is investigating the trunk line that runs next to the stream and the Harvest subdivision for I/I.



Section H: Sludge Management

- (a) Method of Sludge Disposal... Land Application
 Haul to Another NPDES Permittee
 Haul to a Mixed Solid Waste Landfill

*if one of the selected methods is land application, complete applicable charts.
Class A - Exception Quality Sewage Sludge (monitoring station 584)

Pathogen Reduction Alternative	84370 Vector Attraction Reduction Options							
	Option 1 -38% Volatile Solids Reduction	Option 2 -Anaerobic Bench Scale Analysis	Option 3 - Aerobic Bench Scale Analysis	Option 4 - Specific Oxygen Uptake Rate	Option 5 - Aerobic Time and Temperature	Option 6 - Alkali Addition	Option 7 - >75% Percent Solids without Unstabilized Solids	Option 8 - >75% Percent Solids with Unstabilized Solids
Alternative 1 - Time and Temperature Regime (84369)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Alternative 2 - High pH and High Temperature (84369)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Alternative 3 - Other Processes (84369)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Alternative 4 - Unknown Processes (84369)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Alternative 5 - Composting (84397)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Alternative 5 - Heat Drying (84397)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Alternative 5 - Heat Treatment (84397)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Alternative 5 - Thermophilic Aerobic Digestion (84397)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Alternative 5 - Beta Ray Irradiation (84397)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Alternative 5 - Gamma ray Irradiation (84397)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Alternative 5 - Pasteurization (84397)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Alternative 6 - Approved Equivalent Process	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



Class B Sewage Sludge (monitoring station 581)

Pathogen Reduction Alternative	84370 Vector Attraction Reduction Options									
	Option 1 -38% Volatile Solids Reduction	Option 2 -Anaerobic Bench Scale Analysis	Option 3 – Aerobic Bench Scale Analysis	Option 4 – Specific Oxygen Uptake Rate	Option 5 – Aerobic Time and Temperature	Option 6 – Alkali Addition	Option 7 – >75% Percent Solids without Unstabilized	Option 8 - >75% Percent Solids with Unstabilized	Option 9 – Land Injection	Option 10 – Immediate Incorporation
Alternative 1 - Geometric Mean of Seven Fecal Samples (84369)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Alternative 2 - Aerobic Digestion (46396)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Alternative 2 - Air Drying (46396)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Alternative 2 - Anaerobic Digestion (46396)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Alternative 2 – Composting (46396)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Alternative 2 - Lime Treatment (46396)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Alternative 3 – Approved Equivalent Process	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

- (b) Has amount of sludge generated changed significantly since the last inspection..... N
- (c) How much sludge storage is provided at the plant.....
- (d) Records kept in accordance with State and Federal law (5 years according to OAC 3745-40-06)..... N/A
- (e) Any complaints received in last year regarding sludge..... N
- (f) 5/8" screen at headworks for facilities that land apply sludge..... N/A
- (g) Are sludge application sites inspected to verify compliance with NPDES permit..... N/A

Comments/Status:

Sludge has not been removed from the lagoons.



Section I: Self-Monitoring Program

Flow Measurement:

- (a) Primary/Secondary flow measuring devices (e.g. weir with ultrasonic level sensor):
 doppler with weir
- (b) Flow meter calibrated annually Y
 (Date of last calibration: 1/yr)
- (c) 24-hour recording instruments operated and maintained Y
- (d) Flow measurement equipment adequate to handle full range of flows Y
- (e) All discharged flow is measured Y

Comments/Status:

Flow meter out of service winter 2008. Snow can create problems with flow meter operation.

Section I: Self-Monitoring Program (con t)

Sampling:

- (a) Sampling location(s) are as specified by permit Y
- (b) Parameters and sampling frequency agree with permit Y
- (c) Permittee uses required sampling method Y
 (see GLC page)
- (d) Monitoring records (i.e., flow, pH, DO) maintained for a minimum of three years including all original strip chart recordings (i.e, continuous monitoring instrumentation, calibration and maintenance records) Y

Comments/Status:

pH being checked between lagoons

Parameters analyzed on-site are pH, dissolved oxygen, and temperature.

Composite sampler refrigeration not currently available at lagoons. 3 grabs taken one hour apart are taken to office. Refrigeration needs to be provided for composite samples.

pH buffers used for calibration: 4, 7, and 10.



Section I: Self-Monitoring Program (con't)

Laboratory:

General

(a) Does the Quality Assurance Manual contain written Standard Operating Procedures (SOP's) for all analysis performed onsite..... Y

(b) Do SOP's include the following if applicable:

- | | |
|------------------------------------|-----------------------------|
| • Title | • Procedure |
| • Scope and Application | • Calculations |
| • Summary | • Quality Control |
| • Sample Handling and Preservation | • Maintenance |
| • Interferences | • Corrective Action |
| • Apparatus and Materials | • Reference (Parent Method) |
| • Reagents | |

Note: Standard Methods 1020A establishes that "Quality assurance (QA) is the definitive program for laboratory operation that specifies the measure required to produce defensible data of known precision and accuracy. "Standard operating procedures are to be used in the laboratory in sufficient detail that a competent analyst unfamiliar with the method can conduct a reliable review and/or obtain acceptable results." SOPs should be developed for each analytical procedure.

(c) EPA approved analytical testing procedures used (40 CFR 136.3).. Y

(d) If alternate analytical procedures are used, proper approval has been obtained..... N/A

(e) Analyses being performed more frequently than required by permit. N

(f) If (e) is yes, are results in permittee's self-monitoring report..... N/A

(g) Satisfactory calibration and maintenance of instruments/equipment. Y (see score from GLC page)

(h) Commercial laboratory used..... Y

Parameters analyzed by commercial lab: NH3, CBOD5, TSS, TP, NO3

Lab name: MASI Laboratories

Discharge Monitoring Report Quality Assurance (DMRQA)

(a) Participation in latest USEPA quality assurance performance sampling..... N

Date:

(b) Were any parameters "Unsatisfactory"..... N/A

(c) Reasons for "Unsatisfactory" parameters.....

Comments/Status:



Section J: Effluent/Receiving Water Observations

Outfall # 001

Outfall Description: Discharge from lagoon to Sycamore Ditch

Receiving Stream: discharge to Sycamore Ditch and subsequently Painter Creek

Receiving Stream Description: WWH

Comments/Status:

Section K: Multimedia Observations

- (a) Are there indications of sloppy housekeeping or poor maintenance in work and storage areas or laboratories..... N
- (b) Do you notice staining or discoloration of soils, pavement or floors.. N
- (c) Do you notice distressed (unhealthy, discolored, dead) vegetation.. N
- (d) Do you see unidentified dark smoke or dust clouds coming from sources other than smokestacks..... N
- (e) Do you notice any unusual odors or strong chemical smells..... N
- (f) Do you see any open or unmarked drums, unsecured liquids, or damaged containment facilities..... N

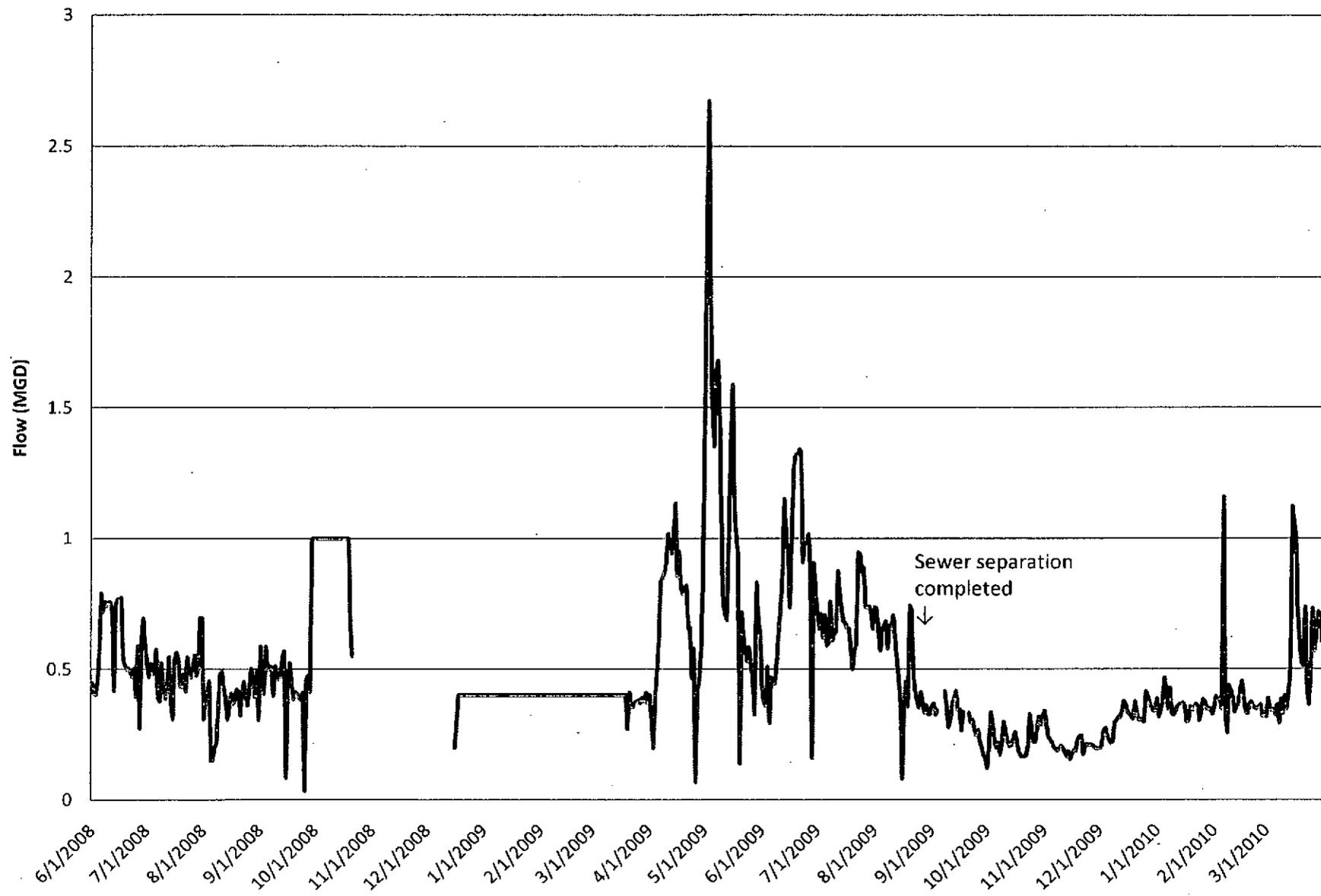
If any of the above are observed, ask the following questions:

- (1) What is the cause of the condition?
- (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?

Comments/Status:

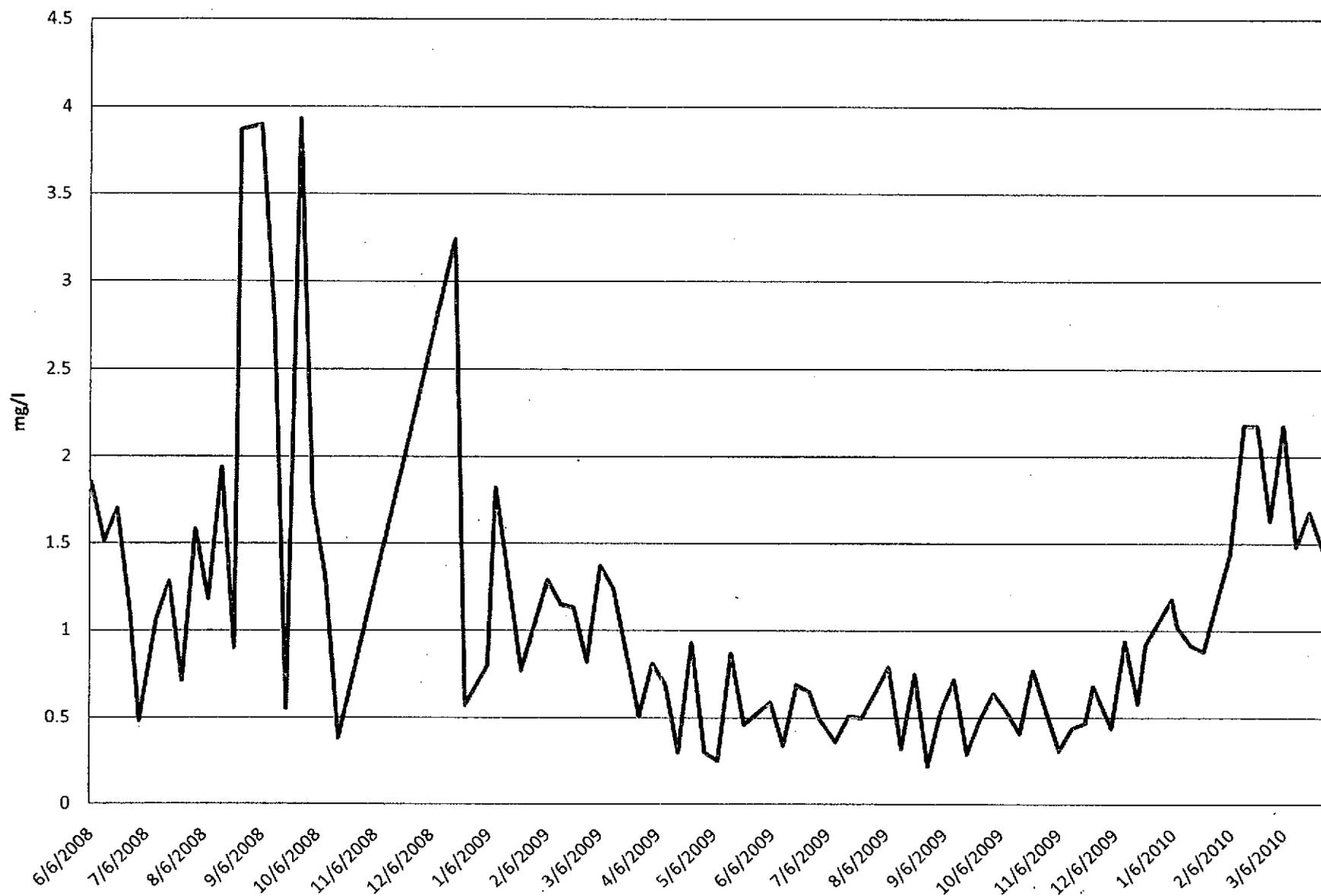


Arcanum WWTF Effluent Flow (MGD) June 2008 to March 2010





Arcanum WWTF Total Phosphorus (mg/l) June 2008 to March 2010





Village of Arcanum Wastewater Treatment Facility Effluent Limitation Violations June 2008 to March 2010

Permit No	Reporting Period	Station	Reporting Code	Parameter	Limit Type	Limit	Reported Value	Violation Date
1PB00000*HD	June 2008	001	00530	Total Suspended Solids	30D Conc	20	38.625	6/1/2008
1PB00000*HD	June 2008	001	00530	Total Suspended Solids	30D Qty	30.2	79.3108	6/1/2008
1PB00000*HD	June 2008	001	00530	Total Suspended Solids	7D Qty	45.4	48.9854	6/1/2008
1PB00000*HD	June 2008	001	80082	CBOD 5 day	30D Qty	22.7	30.0084	6/1/2008
1PB00000*HD	June 2008	001	00530	Total Suspended Solids	7D Conc	30	43.	6/8/2008
1PB00000*HD	June 2008	001	00530	Total Suspended Solids	7D Qty	45.4	92.3956	6/8/2008
1PB00000*HD	June 2008	001	80082	CBOD 5 day	7D Qty	34.8	35.2402	6/8/2008
1PB00000*HD	June 2008	001	00530	Total Suspended Solids	7D Conc	30	46.	6/15/2008
1PB00000*HD	June 2008	001	00530	Total Suspended Solids	7D Qty	45.4	110.722	6/15/2008
1PB00000*HD	June 2008	001	80082	CBOD 5 day	7D Qty	34.8	41.6728	6/15/2008
1PB00000*HD	June 2008	001	00530	Total Suspended Solids	7D Conc	30	44.5	6/22/2008
1PB00000*HD	June 2008	001	00530	Total Suspended Solids	7D Qty	45.4	65.1398	6/22/2008
1PB00000*HD	July 2008	001	00530	Total Suspended Solids	30D Conc	20	49.25	7/1/2008
1PB00000*HD	July 2008	001	00530	Total Suspended Solids	7D Conc	30	65.	7/1/2008
1PB00000*HD	July 2008	001	00530	Total Suspended Solids	30D Qty	30.2	81.9026	7/1/2008
1PB00000*HD	July 2008	001	00530	Total Suspended Solids	7D Qty	45.4	104.594	7/1/2008
1PB00000*HD	July 2008	001	80082	CBOD 5 day	30D Qty	22.7	24.5234	7/1/2008
1PB00000*HD	July 2008	001	00530	Total Suspended Solids	7D Conc	30	52.	7/8/2008
1PB00000*HD	July 2008	001	00530	Total Suspended Solids	7D Qty	45.4	74.2011	7/8/2008
1PB00000*HD	July 2008	001	00530	Total Suspended Solids	7D Conc	30	39.	7/15/2008
1PB00000*HD	July 2008	001	00530	Total Suspended Solids	7D Qty	45.4	75.5334	7/15/2008
1PB00000*HD	July 2008	001	00530	Total Suspended Solids	7D Conc	30	41.	7/22/2008
1PB00000*HD	July 2008	001	00530	Total Suspended Solids	7D Qty	45.4	73.2813	7/22/2008
1PB00000*HD	August 2008	001	00530	Total Suspended Solids	30D Conc	20	43.5	8/1/2008
1PB00000*HD	August 2008	001	00530	Total Suspended Solids	7D Conc	30	43.	8/1/2008
1PB00000*HD	August 2008	001	00530	Total Suspended Solids	30D Qty	30.2	61.9103	8/1/2008
1PB00000*HD	August 2008	001	00530	Total Suspended Solids	7D Qty	45.4	62.5282	8/1/2008
1PB00000*HD	August 2008	001	00530	Total Suspended Solids	7D Conc	30	40.	8/8/2008
1PB00000*HD	August 2008	001	00530	Total Suspended Solids	7D Qty	45.4	54.4093	8/8/2008
1PB00000*HD	August 2008	001	00530	Total Suspended Solids	7D Conc	30	42.	8/15/2008



1PB00000*HD	August 2008	001	00530	Total Suspended Solids	7D Qty	45.4	58.2625	8/15/2008
1PB00000*HD	August 2008	001	00530	Total Suspended Solids	7D Conc	30	49.	8/22/2008
1PB00000*HD	August 2008	001	00530	Total Suspended Solids	7D Qty	45.4	72.4411	8/22/2008
1PB00000*HD	August 2008	001	31616	Fecal Coliform	7D Conc	2000	2792.84	8/22/2008
1PB00000*HD	September 2008	001	00530	Total Suspended Solids	30D Conc	20	36.625	9/1/2008
1PB00000*HD	September 2008	001	00530	Total Suspended Solids	7D Conc	30	35.5	9/1/2008
1PB00000*HD	September 2008	001	00530	Total Suspended Solids	30D Qty	30.2	55.3991	9/1/2008
1PB00000*HD	September 2008	001	00530	Total Suspended Solids	7D Qty	45.4	58.6750	9/1/2008
1PB00000*HD	September 2008	001	00530	Total Suspended Solids	7D Conc	30	60.	9/22/2008
1PB00000*HD	September 2008	001	00530	Total Suspended Solids	7D Qty	45.4	100.718	9/22/2008
1PB00000*HD	October 2008	001	00530	Total Suspended Solids	30D Conc	20	83.5	10/1/2008
1PB00000*HD	October 2008	001	00530	Total Suspended Solids	7D Conc	30	69.5	10/1/2008
1PB00000*HD	October 2008	001	00530	Total Suspended Solids	30D Qty	30.2	294.851	10/1/2008
1PB00000*HD	October 2008	001	00530	Total Suspended Solids	7D Qty	45.4	263.057	10/1/2008
1PB00000*HD	October 2008	001	31616	Fecal Coliform	30D Conc	1000	1111.92	10/1/2008
1PB00000*HD	October 2008	001	80082	CBOD 5 day	30D Conc	15.0	30.1666	10/1/2008
1PB00000*HD	October 2008	001	80082	CBOD 5 day	7D Conc	23.0	26.5	10/1/2008
1PB00000*HD	October 2008	001	80082	CBOD 5 day	30D Qty	22.7	107.998	10/1/2008
1PB00000*HD	October 2008	001	80082	CBOD 5 day	7D Qty	34.8	100.302	10/1/2008
1PB00000*HD	October 2008	001	00530	Total Suspended Solids	7D Conc	30	83.	10/8/2008
1PB00000*HD	October 2008	001	00530	Total Suspended Solids	7D Qty	45.4	314.155	10/8/2008
1PB00000*HD	October 2008	001	80082	CBOD 5 day	7D Conc	23.0	33.	10/8/2008
1PB00000*HD	October 2008	001	80082	CBOD 5 day	7D Qty	34.8	124.905	10/8/2008
1PB00000*HD	October 2008	001	00530	Total Suspended Solids	7D Conc	30	98.	10/15/2008
1PB00000*HD	October 2008	001	00530	Total Suspended Solids	7D Qty	45.4	307.342	10/15/2008
1PB00000*HD	October 2008	001	80082	CBOD 5 day	7D Conc	23.0	31.	10/15/2008
1PB00000*HD	October 2008	001	80082	CBOD 5 day	7D Qty	34.8	98.7885	10/15/2008
1PB00000*HD	December 2008	001	00610	Nitrogen, Ammonia (NH3)	30D Conc	4.1	4.475	12/1/2008
1PB00000*HD	December 2008	001	00610	Nitrogen, Ammonia (NH3)	30D Qty	6.2	6.77515	12/1/2008
1PB00000*HD	January 2009	001	00610	Nitrogen, Ammonia (NH3)	30D Conc	4.1	5.925	1/1/2009
1PB00000*HD	January 2009	001	00610	Nitrogen, Ammonia (NH3)	30D Qty	6.2	8.97045	1/1/2009
1PB00000*HD	January 2009	001	00610	Nitrogen, Ammonia (NH3)	7D Conc	6.2	6.6	1/15/2009
1PB00000*HD	January 2009	001	00610	Nitrogen, Ammonia (NH3)	7D Qty	9.4	9.9924	1/15/2009
1PB00000*HD	January 2009	001	00610	Nitrogen, Ammonia (NH3)	7D Conc	6.2	6.6	1/22/2009



1PB00000*HD	January 2009	001	00610	Nitrogen, Ammonia (NH3)	7D Qty	9.4	9.9924	1/22/2009
1PB00000*HD	February 2009	001	00610	Nitrogen, Ammonia (NH3)	30D Conc	4.1	7.1625	2/1/2009
1PB00000*HD	February 2009	001	00610	Nitrogen, Ammonia (NH3)	7D Conc	6.2	6.4	2/1/2009
1PB00000*HD	February 2009	001	00610	Nitrogen, Ammonia (NH3)	30D Qty	6.2	10.8440	2/1/2009
1PB00000*HD	February 2009	001	00610	Nitrogen, Ammonia (NH3)	7D Qty	9.4	9.6896	2/1/2009
1PB00000*HD	February 2009	001	00610	Nitrogen, Ammonia (NH3)	7D Conc	6.2	8.5	2/8/2009
1PB00000*HD	February 2009	001	00610	Nitrogen, Ammonia (NH3)	7D Qty	9.4	12.869	2/8/2009
1PB00000*HD	February 2009	001	00610	Nitrogen, Ammonia (NH3)	7D Conc	6.2	7.7	2/15/2009
1PB00000*HD	February 2009	001	00610	Nitrogen, Ammonia (NH3)	7D Qty	9.4	11.6578	2/15/2009
1PB00000*HD	March 2009	001	00530	Total Suspended Solids	30D Conc	30	38.5	3/1/2009
1PB00000*HD	March 2009	001	00530	Total Suspended Solids	30D Qty	45.4	52.6607	3/1/2009
1PB00000*HD	March 2009	001	00400	pH	1D Conc	9.0	9.2	3/12/2009
1PB00000*HD	March 2009	001	00400	pH	1D Conc	9.0	9.2	3/13/2009
1PB00000*HD	March 2009	001	00530	Total Suspended Solids	7D Conc	45	54.	3/15/2009
1PB00000*HD	March 2009	001	00400	pH	1D Conc	9.0	9.3	3/20/2009
1PB00000*HD	March 2009	001	00400	pH	1D Conc	9.0	9.5	3/23/2009
1PB00000*HD	March 2009	001	00400	pH	1D Conc	9.0	9.5	3/24/2009
1PB00000*HD	March 2009	001	00400	pH	1D Conc	9.0	9.4	3/25/2009
1PB00000*HD	March 2009	001	00400	pH	1D Conc	9.0	9.2	3/26/2009
1PB00000*HD	March 2009	001	00400	pH	1D Conc	9.0	9.3	3/27/2009
1PB00000*HD	March 2009	001	00400	pH	1D Conc	9.0	9.1	3/31/2009
1PB00000*HD	April 2009	001	00530	Total Suspended Solids	30D Conc	30	44.25	4/1/2009
1PB00000*HD	April 2009	001	00530	Total Suspended Solids	30D Qty	45.4	107.520	4/1/2009
1PB00000*HD	April 2009	001	80082	CBOD 5 day	30D Qty	37.9	56.9614	4/1/2009
1PB00000*HD	April 2009	001	00400	pH	1D Conc	9.0	9.1	4/6/2009
1PB00000*HD	April 2009	001	00400	pH	1D Conc	9.0	9.1	4/7/2009
1PB00000*HD	April 2009	001	00530	Total Suspended Solids	7D Conc	45	45.5	4/8/2009
1PB00000*HD	April 2009	001	00530	Total Suspended Solids	7D Qty	68.2	159.357	4/8/2009
1PB00000*HD	April 2009	001	80082	CBOD 5 day	7D Qty	60.6	89.1216	4/8/2009
1PB00000*HD	April 2009	001	00400	pH	1D Conc	9.0	9.2	4/8/2009
1PB00000*HD	April 2009	001	00400	pH	1D Conc	9.0	9.2	4/9/2009
1PB00000*HD	April 2009	001	00400	pH	1D Conc	9.0	9.2	4/10/2009
1PB00000*HD	April 2009	001	00400	pH	1D Conc	9.0	9.3	4/13/2009
1PB00000*HD	April 2009	001	00400	pH	1D Conc	9.0	9.2	4/14/2009



1PB00000*HD	April 2009	001	00530	Total Suspended Solids	7D Qty	68.2	129.636	4/15/2009
1PB00000*HD	April 2009	001	80082	CBOD 5 day	7D Qty	60.6	66.0861	4/15/2009
1PB00000*HD	April 2009	001	00400	pH	1D Conc	9.0	9.2	4/17/2009
1PB00000*HD	April 2009	001	00530	Total Suspended Solids	7D Conc	45	48.	4/22/2009
1PB00000*HD	April 2009	001	00530	Total Suspended Solids	7D Qty	68.2	79.0308	4/22/2009
1PB00000*HD	April 2009	001	00400	pH	1D Conc	9.0	9.1	4/23/2009
1PB00000*HD	April 2009	001	00400	pH	1D Conc	9.0	9.2	4/24/2009
1PB00000*HD	April 2009	001	00400	pH	1D Conc	9.0	9.1	4/27/2009
1PB00000*HD	May 2009	001	00530	Total Suspended Solids	30D Qty	30.2	63.0727	5/1/2009
1PB00000*HD	May 2009	001	00530	Total Suspended Solids	7D Qty	45.4	128.822	5/1/2009
1PB00000*HD	May 2009	001	00610	Nitrogen, Ammonia (NH3)	30D Conc	1.5	2.1125	5/1/2009
1PB00000*HD	May 2009	001	00610	Nitrogen, Ammonia (NH3)	30D Qty	2.3	8.29833	5/1/2009
1PB00000*HD	May 2009	001	00610	Nitrogen, Ammonia (NH3)	7D Qty	3.5	7.29672	5/1/2009
1PB00000*HD	May 2009	001	80082	CBOD 5 day	30D Qty	22.7	31.2584	5/1/2009
1PB00000*HD	May 2009	001	80082	CBOD 5 day	7D Qty	34.8	59.0535	5/1/2009
1PB00000*HD	May 2009	001	00530	Total Suspended Solids	7D Qty	45.4	88.7961	5/8/2009
1PB00000*HD	May 2009	001	00610	Nitrogen, Ammonia (NH3)	7D Qty	3.5	8.65327	5/8/2009
1PB00000*HD	May 2009	001	00610	Nitrogen, Ammonia (NH3)	7D Conc	2.3	2.7	5/15/2009
1PB00000*HD	May 2009	001	00610	Nitrogen, Ammonia (NH3)	7D Qty	3.5	11.4295	5/15/2009
1PB00000*HD	May 2009	001	00610	Nitrogen, Ammonia (NH3)	7D Conc	2.3	2.8	5/22/2009
1PB00000*HD	May 2009	001	00610	Nitrogen, Ammonia (NH3)	7D Qty	3.5	5.81376	5/22/2009
1PB00000*HD	June 2009	001	00530	Total Suspended Solids	30D Conc	20	45.75	6/1/2009
1PB00000*HD	June 2009	001	00530	Total Suspended Solids	7D Conc	30	49.	6/1/2009
1PB00000*HD	June 2009	001	00530	Total Suspended Solids	30D Qty	30.2	144.477	6/1/2009
1PB00000*HD	June 2009	001	00530	Total Suspended Solids	7D Qty	45.4	67.6985	6/1/2009
1PB00000*HD	June 2009	001	80082	CBOD 5 day	30D Conc	15.0	21.5	6/1/2009
1PB00000*HD	June 2009	001	80082	CBOD 5 day	7D Conc	23.0	26.	6/1/2009
1PB00000*HD	June 2009	001	80082	CBOD 5 day	30D Qty	22.7	62.4226	6/1/2009
1PB00000*HD	June 2009	001	80082	CBOD 5 day	7D Qty	34.8	35.2440	6/1/2009
1PB00000*HD	June 2009	001	00530	Total Suspended Solids	7D Conc	30	40.	6/8/2009
1PB00000*HD	June 2009	001	00530	Total Suspended Solids	7D Qty	45.4	94.2275	6/8/2009
1PB00000*HD	June 2009	001	80082	CBOD 5 day	7D Conc	23.0	25.	6/8/2009
1PB00000*HD	June 2009	001	80082	CBOD 5 day	7D Qty	34.8	61.8374	6/8/2009
1PB00000*HD	June 2009	001	00530	Total Suspended Solids	7D Conc	30	49.	6/15/2009



1PB00000*HD	June 2009	001	00530	Total Suspended Solids	7D Qty	45.4	211.013	6/15/2009
1PB00000*HD	June 2009	001	80082	CBOD 5 day	7D Qty	34.8	84.7423	6/15/2009
1PB00000*HD	June 2009	001	00530	Total Suspended Solids	7D Conc	30	45.	6/22/2009
1PB00000*HD	June 2009	001	00530	Total Suspended Solids	7D Qty	45.4	204.969	6/22/2009
1PB00000*HD	June 2009	001	80082	CBOD 5 day	7D Qty	34.8	67.8669	6/22/2009
1PB00000*HD	July 2009	001	00530	Total Suspended Solids	30D Conc	20	53.5	7/1/2009
1PB00000*HD	July 2009	001	00530	Total Suspended Solids	7D Conc	30	49.	7/1/2009
1PB00000*HD	July 2009	001	00530	Total Suspended Solids	30D Qty	30.2	139.937	7/1/2009
1PB00000*HD	July 2009	001	00530	Total Suspended Solids	7D Qty	45.4	120.567	7/1/2009
1PB00000*HD	July 2009	001	31616	Fecal Coliform	30D Conc	1000	1238.52	7/1/2009
1PB00000*HD	July 2009	001	80082	CBOD 5 day	30D Conc	15.0	15.875	7/1/2009
1PB00000*HD	July 2009	001	80082	CBOD 5 day	30D Qty	22.7	42.3328	7/1/2009
1PB00000*HD	July 2009	001	80082	CBOD 5 day	7D Qty	34.8	49.3601	7/1/2009
1PB00000*HD	July 2009	001	00530	Total Suspended Solids	7D Conc	30	54.	7/8/2009
1PB00000*HD	July 2009	001	00530	Total Suspended Solids	7D Qty	45.4	145.911	7/8/2009
1PB00000*HD	July 2009	001	31616	Fecal Coliform	7D Conc	2000	5099.01	7/8/2009
1PB00000*HD	July 2009	001	80082	CBOD 5 day	7D Qty	34.8	49.6383	7/8/2009
1PB00000*HD	July 2009	001	00530	Total Suspended Solids	7D Conc	30	59.5	7/15/2009
1PB00000*HD	July 2009	001	00530	Total Suspended Solids	7D Qty	45.4	129.727	7/15/2009
1PB00000*HD	July 2009	001	00530	Total Suspended Solids	7D Conc	30	51.5	7/22/2009
1PB00000*HD	July 2009	001	00530	Total Suspended Solids	7D Qty	45.4	163.542	7/22/2009
1PB00000*HD	July 2009	001	80082	CBOD 5 day	7D Qty	34.8	53.3003	7/22/2009
1PB00000*HD	August 2009	001	00530	Total Suspended Solids	30D Conc	20	68.25	8/1/2009
1PB00000*HD	August 2009	001	00530	Total Suspended Solids	7D Conc	30	64.	8/1/2009
1PB00000*HD	August 2009	001	00530	Total Suspended Solids	30D Qty	30.2	134.956	8/1/2009
1PB00000*HD	August 2009	001	00530	Total Suspended Solids	7D Qty	45.4	161.452	8/1/2009
1PB00000*HD	August 2009	001	31616	Fecal Coliform	30D Conc	1000	1036.65	8/1/2009
1PB00000*HD	August 2009	001	80082	CBOD 5 day	30D Conc	15.0	18.5	8/1/2009
1PB00000*HD	August 2009	001	80082	CBOD 5 day	30D Qty	22.7	38.1187	8/1/2009
1PB00000*HD	August 2009	001	80082	CBOD 5 day	7D Qty	34.8	50.2950	8/1/2009
1PB00000*HD	August 2009	001	00530	Total Suspended Solids	7D Conc	30	71.	8/8/2009
1PB00000*HD	August 2009	001	00530	Total Suspended Solids	7D Qty	45.4	148.443	8/8/2009
1PB00000*HD	August 2009	001	80082	CBOD 5 day	7D Qty	34.8	39.8636	8/8/2009
1PB00000*HD	August 2009	001	00530	Total Suspended Solids	7D Conc	30	69.	8/15/2009



1PB00000*HD	August 2009	001	00530	Total Suspended Solids	7D Qty	45.4	137.247	8/15/2009
1PB00000*HD	August 2009	001	31616	Fecal Coliform	7D Conc	2000	4358.89	8/15/2009
1PB00000*HD	August 2009	001	80082	CBOD 5 day	7D Qty	34.8	40.1796	8/15/2009
1PB00000*HD	August 2009	001	00530	Total Suspended Solids	7D Conc	30	69.	8/22/2009
1PB00000*HD	August 2009	001	00530	Total Suspended Solids	7D Qty	45.4	92.6795	8/22/2009
1PB00000*HD	September 2009	001	00530	Total Suspended Solids	30D Conc	20	73.75	9/1/2009
1PB00000*HD	September 2009	001	00530	Total Suspended Solids	7D Conc	30	110.	9/1/2009
1PB00000*HD	September 2009	001	00530	Total Suspended Solids	30D Qty	30.2	90.7974	9/1/2009
1PB00000*HD	September 2009	001	00530	Total Suspended Solids	7D Qty	45.4	149.583	9/1/2009
1PB00000*HD	September 2009	001	80082	CBOD 5 day	30D Conc	15.0	23.5	9/1/2009
1PB00000*HD	September 2009	001	80082	CBOD 5 day	30D Qty	22.7	27.2813	9/1/2009
1PB00000*HD	September 2009	001	00400	pH	1D Conc	9.0	9.1	9/2/2009
1PB00000*HD	September 2009	001	00530	Total Suspended Solids	7D Conc	30	55.	9/8/2009
1PB00000*HD	September 2009	001	00530	Total Suspended Solids	7D Qty	45.4	76.3056	9/8/2009
1PB00000*HD	September 2009	001	00400	pH	1D Conc	9.0	9.1	9/9/2009
1PB00000*HD	September 2009	001	00530	Total Suspended Solids	7D Conc	30	60.	9/15/2009
1PB00000*HD	September 2009	001	00530	Total Suspended Solids	7D Qty	45.4	76.2299	9/15/2009
1PB00000*HD	September 2009	001	00400	pH	1D Conc	9.0	9.3	9/15/2009
1PB00000*HD	September 2009	001	00400	pH	1D Conc	9.0	9.4	9/16/2009
1PB00000*HD	September 2009	001	00400	pH	1D Conc	9.0	9.1	9/18/2009
1PB00000*HD	September 2009	001	00530	Total Suspended Solids	7D Conc	30	70.	9/22/2009
1PB00000*HD	September 2009	001	00530	Total Suspended Solids	7D Qty	45.4	61.0709	9/22/2009
1PB00000*HD	September 2009	001	80082	CBOD 5 day	7D Conc	23.0	34.5	9/22/2009
1PB00000*HD	October 2009	001	00530	Total Suspended Solids	30D Conc	20	45.5	10/1/2009
1PB00000*HD	October 2009	001	00530	Total Suspended Solids	7D Conc	30	40.	10/1/2009
1PB00000*HD	October 2009	001	00530	Total Suspended Solids	30D Qty	30.2	37.0277	10/1/2009
1PB00000*HD	October 2009	001	80082	CBOD 5 day	30D Conc	15.0	23.5	10/1/2009
1PB00000*HD	October 2009	001	00400	pH	1D Conc	9.0	9.2	10/5/2009
1PB00000*HD	October 2009	001	00400	pH	1D Conc	9.0	9.2	10/6/2009
1PB00000*HD	October 2009	001	00530	Total Suspended Solids	7D Conc	30	45.	10/8/2009
1PB00000*HD	October 2009	001	80082	CBOD 5 day	7D Conc	23.0	26.5	10/8/2009
1PB00000*HD	October 2009	001	00530	Total Suspended Solids	7D Conc	30	43.	10/15/2009
1PB00000*HD	October 2009	001	80082	CBOD 5 day	7D Conc	23.0	25.5	10/15/2009
1PB00000*HD	October 2009	001	00400	pH	1D Conc	9.0	9.1	10/15/2009



1PB00000*HD	October 2009	001	00400	pH	1D Conc	9.0	9.1	10/16/2009
1PB00000*HD	October 2009	001	00400	pH	1D Conc	9.0	9.1	10/20/2009
1PB00000*HD	October 2009	001	00400	pH	1D Conc	9.0	9.2	10/21/2009
1PB00000*HD	October 2009	001	00530	Total Suspended Solids	7D Conc	30	54.	10/22/2009
1PB00000*HD	October 2009	001	00400	pH	1D Conc	9.0	9.2	10/22/2009
1PB00000*HD	October 2009	001	00400	pH	1D Conc	9.0	9.2	10/23/2009
1PB00000*HD	October 2009	001	00400	pH	1D Conc	9.0	9.1	10/27/2009
1PB00000*HD	October 2009	001	00400	pH	1D Conc	9.0	9.1	10/29/2009
1PB00000*HD	October 2009	001	00400	pH	1D Conc	9.0	9.1	10/30/2009
1PB00000*HD	November 2009	001	00530	Total Suspended Solids	30D Conc	30	39.75	11/1/2009
1PB00000*HD	November 2009	001	00530	Total Suspended Solids	7D Conc	45	51.	11/1/2009
1PB00000*HD	November 2009	001	00400	pH	1D Conc	9.0	9.1	11/3/2009
1PB00000*HD	November 2009	001	00400	pH	1D Conc	9.0	9.1	11/4/2009
1PB00000*HD	November 2009	001	00400	pH	1D Conc	9.0	9.1	11/5/2009
1PB00000*HD	December 2009	001	00610	Nitrogen, Ammonia (NH3)	30D Conc	4.1	4.3125	12/1/2009
1PB00000*HD	January 2010	001	00530	Total Suspended Solids	30D Conc	30	31.375	1/1/2010
1PB00000*HD	January 2010	001	00610	Nitrogen, Ammonia (NH3)	30D Conc	4.1	8.1375	1/1/2010
1PB00000*HD	January 2010	001	00610	Nitrogen, Ammonia (NH3)	7D Conc	6.2	6.95	1/1/2010
1PB00000*HD	January 2010	001	00610	Nitrogen, Ammonia (NH3)	30D Qty	6.2	11.3601	1/1/2010
1PB00000*HD	January 2010	001	00610	Nitrogen, Ammonia (NH3)	7D Qty	9.4	11.0622	1/1/2010
1PB00000*HD	January 2010	001	80082	CBOD 5 day	30D Conc	25.0	27.375	1/1/2010
1PB00000*HD	January 2010	001	80082	CBOD 5 day	30D Qty	37.9	38.2597	1/1/2010
1PB00000*HD	January 2010	001	00610	Nitrogen, Ammonia (NH3)	7D Conc	6.2	7.95	1/8/2010
1PB00000*HD	January 2010	001	00610	Nitrogen, Ammonia (NH3)	7D Qty	9.4	11.4310	1/8/2010
1PB00000*HD	January 2010	001	00610	Nitrogen, Ammonia (NH3)	7D Conc	6.2	8.7	1/15/2010
1PB00000*HD	January 2010	001	00610	Nitrogen, Ammonia (NH3)	7D Qty	9.4	11.0257	1/15/2010
1PB00000*HD	January 2010	001	00610	Nitrogen, Ammonia (NH3)	7D Conc	6.2	8.95	1/22/2010
1PB00000*HD	January 2010	001	00610	Nitrogen, Ammonia (NH3)	7D Qty	9.4	11.9214	1/22/2010
1PB00000*HD	February 2010	001	00610	Nitrogen, Ammonia (NH3)	30D Conc	4.1	13.575	2/1/2010
1PB00000*HD	February 2010	001	00610	Nitrogen, Ammonia (NH3)	7D Conc	6.2	11.05	2/1/2010
1PB00000*HD	February 2010	001	00610	Nitrogen, Ammonia (NH3)	30D Qty	6.2	18.0062	2/1/2010
1PB00000*HD	February 2010	001	00610	Nitrogen, Ammonia (NH3)	7D Qty	9.4	14.7017	2/1/2010
1PB00000*HD	February 2010	001	00610	Nitrogen, Ammonia (NH3)	7D Conc	6.2	11.7	2/8/2010
1PB00000*HD	February 2010	001	00610	Nitrogen, Ammonia (NH3)	7D Qty	9.4	13.1377	2/8/2010



1PB00000*HD	February 2010	001	00610	Nitrogen, Ammonia (NH3)	7D Conc	6.2	16.55	2/15/2010
1PB00000*HD	February 2010	001	00610	Nitrogen, Ammonia (NH3)	7D Qty	9.4	23.6695	2/15/2010
1PB00000*HD	February 2010	001	00610	Nitrogen, Ammonia (NH3)	7D Conc	6.2	15.	2/22/2010
1PB00000*HD	February 2010	001	00610	Nitrogen, Ammonia (NH3)	7D Qty	9.4	20.5162	2/22/2010
1PB00000*HD	February 2010	001	00300	Dissolved Oxygen	1D Conc	5.0	4.85	2/25/2010
1PB00000*HD	March 2010	001	00610	Nitrogen, Ammonia (NH3)	30D Conc	4.1	13.0375	3/1/2010
1PB00000*HD	March 2010	001	00610	Nitrogen, Ammonia (NH3)	7D Conc	6.2	14.2	3/1/2010
1PB00000*HD	March 2010	001	00610	Nitrogen, Ammonia (NH3)	30D Qty	6.2	26.694	3/1/2010
1PB00000*HD	March 2010	001	00610	Nitrogen, Ammonia (NH3)	7D Qty	9.4	17.8708	3/1/2010
1PB00000*HD	March 2010	001	80082	CBOD 5 day	30D Qty	37.9	42.4965	3/1/2010
1PB00000*HD	March 2010	001	00610	Nitrogen, Ammonia (NH3)	7D Conc	6.2	14.35	3/8/2010
1PB00000*HD	March 2010	001	00610	Nitrogen, Ammonia (NH3)	7D Qty	9.4	17.1948	3/8/2010
1PB00000*HD	March 2010	001	00610	Nitrogen, Ammonia (NH3)	7D Conc	6.2	11.85	3/15/2010
1PB00000*HD	March 2010	001	00610	Nitrogen, Ammonia (NH3)	7D Qty	9.4	38.9964	3/15/2010
1PB00000*HD	March 2010	001	00530	Total Suspended Solids	7D Qty	68.2	76.5232	3/22/2010
1PB00000*HD	March 2010	001	00610	Nitrogen, Ammonia (NH3)	7D Conc	6.2	11.75	3/22/2010
1PB00000*HD	March 2010	001	00610	Nitrogen, Ammonia (NH3)	7D Qty	9.4	32.7137	3/22/2010
1PB00000*HD	March 2010	001	80082	CBOD 5 day	7D Qty	60.6	69.5777	3/22/2010



Village of Arcanum WWTF Effluent Frequency Violations June 2008 to March 2010

Permit No	Reporting Period	Station	Reporting		Parameter	Sample		Violation	
			Code			Frequency	Expected	Reported	Date
1PB00000*HD	October 2008	001	00530		Total Suspended Solids	2/Week	2	0	10/22/2008
1PB00000*HD	October 2008	001	00610		Nitrogen, Ammonia (NH3)	2/Week	2	0	10/22/2008
1PB00000*HD	October 2008	001	31616		Fecal Coliform	2/Week	2	0	10/22/2008
1PB00000*HD	October 2008	001	80082		CBOD 5 day	2/Week	2	0	10/22/2008
1PB00000*HD	October 2008	001	00665		Phosphorus, Total (P)	1/Week	1	0	10/22/2008
1PB00000*HD	December 2008	001	00530		Total Suspended Solids	2/Week	2	0	12/01/2008
1PB00000*HD	December 2008	001	00610		Nitrogen, Ammonia (NH3)	2/Week	2	0	12/01/2008
1PB00000*HD	December 2008	001	80082		CBOD 5 day	2/Week	2	0	12/01/2008
1PB00000*HD	December 2008	001	00665		Phosphorus, Total (P)	1/Week	1	0	12/01/2008
1PB00000*HD	December 2008	001	00530		Total Suspended Solids	2/Week	2	0	12/08/2008
1PB00000*HD	December 2008	001	00610		Nitrogen, Ammonia (NH3)	2/Week	2	0	12/08/2008
1PB00000*HD	December 2008	001	80082		CBOD 5 day	2/Week	2	0	12/08/2008
1PB00000*HD	December 2008	001	00665		Phosphorus, Total (P)	1/Week	1	0	12/08/2008

