



**Environmental
Protection Agency**

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



1PB0003420100629

CLERMONT WILLIAMSBURG WWTP

WARE, RONALD

2010/06/29

**Environmental
Protection Agency**

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

June 29, 2010

Patti Bates, Village Administrator
Village of Williamsburg
107 West Main Street
Williamsburg, Ohio 45176

**Re: Williamsburg WWTP, NPDES Permit No. 1PB00034*FD / OH0021571
Compliance Evaluation Inspection**

Dear Ms. Bates:

On Thursday, June 24, 2010, Mr. Ron Ware of this office conducted a Compliance Evaluation Inspection at the above referenced facility. The Village was represented by Mark Plymesser, Operator of Record and Kyle Corbitt, plant operator. The purpose of the inspection was to evaluate several aspects of plant operation and performance. As indicated in the attached report, there were four areas evaluated during the inspection that were rated as "Unsatisfactory."

"Effluent/Receiving Waters" received an "unsatisfactory" rating due to violations of the final effluent limitations in this facility's current NPDES permit (1PB00034*FD) that occurred between May 2009 and May 2010.

"Self-Monitoring Program" received an "unsatisfactory" rating due to the Village's failure to provide notification of these effluent violations per the requirements in Item 12 (Non-Compliance Notification) of Part III of the facility's current NPDES permit (1PB00034*GD).

"Records/Reports" received an "unsatisfactory" rating due to the deficiencies in the daily log book that is required by Ohio Administrative Code 3745-7-09.

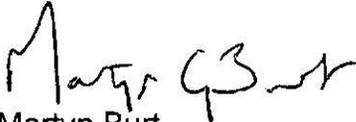
The area designated as "Facility Site Review" received an "unsatisfactory" rating due to the UV light disinfection equipment being exposed during operation at the time of the inspection. Operating UV lights that are exposed poses a major eye safety issue. Provisions need to be made at once to secure covering or some other protective measures for these UV lights in order to protect the eye sight of plant workers.

Patti Bates, Village Administrator
Village of Williamsburg
June 29, 2010
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Please provide this office with a written description of any actions, either taken or proposed, to address this situation. This written description should include the dates, either actual or proposed, for completion of these actions. Please provide this office with this written response within thirty days of receipt of this letter.

If you have any questions regarding this report, please contact Mr. Ware at (937) 285 - 6098.

Sincerely,

A handwritten signature in black ink that reads "Martyn Burt". The signature is written in a cursive style with a large initial "M" and a long horizontal stroke at the end.

Martyn Burt
Compliance and Enforcement Supervisor

MB/ca



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
1PB00034*GD	OH0021571	06/24/2010	C	S	1

Section B: Facility Data		
Name and Location of Facility Inspected	Entry Time	Permit Effective Date
Village of Williamsburg WWTP 100 Mill Street Williamsburg, Ohio, Clermont County	10:00 AM	September 1, 2009
	Exit Time	Permit Expiration Date
	11:15 AM	August 31, 2014
Name(s) and Title(s) of On-Site Representatives		Phone Number(s)
Mark Plymesser, Operator of Record Kyle Corbitt, plant operator		513-724-2248
Name, Address and Title of Responsible Official		Phone Number
Patti Bates, Administrator Village of Williamsburg 107 West Main Street Williamsburg, Ohio 45176		(513) 724 - 6107

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

Section D: Summary of Findings (Attach additional sheets if necessary)	
Inspector	Reviewer
<i>Ron Ware</i> Ron Ware Division of Surface Water Southwest District Office	<i>Martyn Burt</i> Martyn Burt Compliance & Enforcement Supervisor Division of Surface Water Southwest District Office
6/29/10 Date	6/29/10 Date

Permit # : 1PB00034*GD
NPDES # : OH002

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..... Y
- (f) Storm water discharges properly permitted..... N/E

Comments/Status:

Section F: Compliance

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

Comments/Status:

(a) A list of violations over the past year is provided on page 11 of this report.

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.....

The entire facility.
 - ii. How often is the generator tested under load.....

Once a week.

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

Influent pumps and effluent pumps.

- (c) All treatment units in service other than backup units..... Y
- (d) What method is used for scheduling routine & preventative maintenance (calendar, software, etc.).....

Maintenance is currently performed on an as-needed basis.

- (e) Any major equipment breakdown since last inspection..... Y
- (f) Operation and maintenance manual provided and maintained..... Y
- (g) Any plant bypasses since last inspection..... N
- (h) Any plant upsets since last inspection..... Y

Comments/Status:

(e) The decant mechanism on SBR unit # 2 and the influent valve on SBR unit # 1 have had to be repaired over the past year.

(h) High influent flows in February 2010 were cited as the cause of the effluent violations for that month.

Section G: Operation & Maintenance con't

Record Keeping/Operator of Record:

- (a) Wastewater Treatment Works classification (OAC 3745-7)..... II
- (b) Operator of Record holds unexpired license of class required by Permit..... Y
- (c) Copy of certificate of Operator of Record displayed on-site..... N
- (d) Has the Operator of Record submitted an ORC Notification form.. N
- (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)

Ringed binder book.
- (i) Log book kept onsite (in an area protected from weather)..... Y
- (j) Log book contains the following:
 - I. Identification of treatment works..... N
 - II. Date/times of arrival/departure for Operator of Record and any other operator required by OAC 3745-7..... N
 - 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..... N

Comments/Status:

(h) A loose ring calendar book does not meet the authenticity criteria for the records keeping requirements of Ohio Administrative Code 3745-7-09. The log book needs to be a hard bound book.

(j) The log book did not: 1) have dates and times of arrival/departure for the Operator of Record and any other plant operator(s); 2) identification of persons making entries.

(k) Notifications of the effluent violations cited on page 11 of this report were not provided as per the requirements in Item 12 (Non-Compliance Notification) of Part III of the facility's current NPDES permit (1PB00034*GD).

Section G: Operation & Maintenance con't

Collection System:

- (a) Are there pump stations in the collection system..... Y
(There are 5 pump stations in the collection system for this facility)
 - i. How many publicly-owned pump stations equipped with permanent standby power or equivalent..... 0
 - ii. How many pump stations have telemetered alarms..... 0
 - iii. How many pump stations have operable alarms..... 5

- (b) Any chronic collection system overflows since last inspection..... N
- (c) Regulatory agency notified of all overflows..... N/A
- (d) Are there CSOs in the collection system..... N
if so, what is the LCTP status.....

N/A

- (e) How are CSOs monitored (chalk, block, level sensor, etc.).....

N/A

- (f) Portable pumps available for collection system maintenance..... Y
- (g) RDII Program established and active..... N
- (h) Any WIB complaint received since last inspection..... N
- (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:

(f) Portable pumps for collection system maintenance are available thru a service contract.

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.....

There are two existing 25,000 gallon storage tanks at the plant. A new 100,000 gallon storage tank will be available by August 2010.
- (d) Records kept in accordance with State and Federal law (5 years according to OAC 3745-40-06)..... Y
- (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
- (h) Is a contractor used for sludge disposal..... Y
 If so, what is the name of the contractor.....

Gullett Sanitation Service

Comments/Status:

Section I: Self-Monitoring Program

Flow Measurement:

- (a) Primary/Secondary flow measuring devices (e.g. weir with ultrasonic level sensor):
Magmeter at effluent pumping structure.
- (b) Flow meter calibrated annually Y
(Date of last calibration: February 2010)
- (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:

Due to contractor error, the flow meter was damaged on or around March 22, 2010. The meter has since been sent out for repair. Run time meters on the plant's influent pumps are being used in the interim for flow readings.

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:

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

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: CBOD₅, ammonia nitrogen, nitrates & nitrites, oil & grease, total phosphorus, total suspended solids, fecal coliform, sludge parameters, cyanide & metals
Lab name: Test America

Discharge Monitoring Report Quality Assurance (DMRQA)

- (a) Participation in latest USEPA quality assurance performance sampling..... N/A
Date:
- (b) Were any parameters "Unsatisfactory"..... N/A
- (c) Reasons for "Unsatisfactory" parameters.....

N/A

Comments/Status:

[Empty box for comments/status]

Section J: Effluent/Receiving Water Observations

Outfall # 1PB00034001

Outfall Description: Effluent ditch to East Fork of the Little Miami River

Receiving Stream: East Fork of the Little Miami River

Receiving Stream Description: State Resource Water

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:

Inspection Findings

The Village of Williamsburg's wastewater treatment Plant (WWTP) is designed to treat an average daily flow of 0.5 million gallons per day (MGD). From May 1, 2009 thru March 22, 2010, the Village reported an average daily flow of 0.252 MGD. The WWTP consists of the following major components:

- Preliminary Screens (mechanical ¾" opening)
- Vortex Grit Removal
- (4) Sequencing Batch Reactor Tanks
- Ultraviolet disinfection
- (2) Aerobic Digesters
- (4) Sludge drying beds

Effluent Limit Violations

(Period of Review: May 2009 – May 2010)

7D = Weekly 30D = Monthly 1D = Daily
 Conc. = Concentration (mg/l) Qty = Quantity (Kg/Day)

Reporting Period	Parameter	Limit Type	Limit	Reported Value
May 2009	Phosphorus, Total (P)	30D Conc	2.0	2.27
May 2009	Oil and Grease, Freon	1D Conc	5.0	7.55
June 2009	Phosphorus, Total (P)	30D Conc	2.0	2.47
June 2009	Oil and Grease, Freon	1D Conc	5.0	5.33
July 2009	Phosphorus, Total (P)	30D Conc	2.0	3.01
July 2009	Phosphorus, Total (P)	7D Conc	3.0	3.01
September 2009	Total Suspended Solids	7D Conc	18	26.8
October 2009	CBOD ₅	30D Conc	10	11.4
October 2009	Dissolved Oxygen	1D Conc	6.0	5.4
October 2009	Dissolved Oxygen	1D Conc	6.0	5.
October 2009	Dissolved Oxygen	1D Conc	6.0	5.2
October 2009	Nitrogen, Ammonia (NH ₃)	7D Conc	2.3	2.4
November 2009	Phosphorus, Total (P)	30D Conc	2.0	2.32
December 2009	Phosphorus, Total (P)	30D Conc	2.0	3.17
December 2009	Phosphorus, Total (P)	7D Conc	3.0	3.17
December 2009	Phosphorus, Total (P)	30D Qty	3.79	4.08
February 2010	Total Suspended Solids	30D Conc	20	47.9
February 2010	Total Suspended Solids	30D Qty	37.9	53.1
February 2010	Total Suspended Solids	7D Conc	30	63.5
February 2010	Total Suspended Solids	7D Conc	30	33.
February 2010	Total Suspended Solids	7D Conc	30	90.
February 2010	Total Suspended Solids	7D Qty	56.8	145.8
March 2010	Total Suspended Solids	30D Conc	20	21.8
May 2010	CBOD ₅	30D Conc	10	13.2
May 2010	CBOD ₅	7D Conc	15	18
May 2010	Nitrogen, Ammonia (NH ₃)	30D Conc	1.5	2.8
May 2010	Nitrogen, Ammonia (NH ₃)	7D Conc	2.3	5.4

Permit # : 1PB00034*GD

NPDES # : OH002

May 2010	Nitrogen, Ammonia (NH ₃)	7D Conc	2.3	3.5
May 2010	Nitrogen, Ammonia (NH ₃)	7D Qty	4.35	5.87

A review of the files showed that Ohio EPA was not given notification of the NPDES violations listed above. A possible cause of the violations for Total Suspended Solids in February 2010 was high flow rates towards the end of that month. Due to the NPDES violations listed above, the "Effluent/Receiving Waters" section of this report was given an "Unsatisfactory" rating. Due to the facility's failure to provide notification of said violations, the "Self Monitoring" section of this report was given an "Unsatisfactory" rating.

Items Noted During the Inspection

1. The laboratory was in relatively good condition. The Village still performs split sampling in-house and with its contract laboratory (Test America) for CBOD₅, TSS and NH₃.
2. A daily log book is kept at the plant (in accordance with Ohio Administrative Code 3745-7-09). However, it consists of a loose ring calendar book, which does not meet the authenticity criteria for the records keeping requirements of Ohio Administrative Code 3745-7-09. The log book needs to be a hard bound book. In addition, the log book did not have: 1) dates and times of arrival/departure for the Operator of Record and any other plant operator(s); and 2) identification of persons making entries. For this reason, the "Records/Reports" section of this report was given a rating of "Unsatisfactory."
3. The UV light disinfection units in the final effluent pumping tank were in operation, but are still not covered. Uncovered and operating UV lights are a major eye safety issue. Provisions need to be made at once to secure covering or some other protective measures for these UV lights in order to protect the eye sight of plant workers. For this reason, the "Facility Site Review" section of this report was given a rating of "Unsatisfactory."
4. Construction of Phase 1 plant improvements to the Williamsburg WWTP (as called for thru Permit to Install # 704417) is close to being completed. The proposed Phase I improvements are: 1) the installation of a 254,000 gallon flow equalization tank; 2) the installation of a 100,000 gallon waste sludge storage tank; and 3) the construction of a sludge belt press facility. The intent of these proposed improvements is to alleviate the facility's ongoing problems with waste sludge handling and excessive wet weather flows.