



**Environmental  
Protection Agency**

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



\*1PB0003520090406\*

PREBLE WEST ALEXANDRIA WWTP

WARE, MAUREEN 2009/04/06



State of Ohio Environmental Protection Agency

File: Preble Co  
West Alexandria  
sewerage

**Southwest District Office**

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Dayton, Ohio 45402

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

March 30, 2009

Mayor and Council, West Alexandria  
PO Box 265  
West Alexandria, Ohio 45381

RE: West Alexandria WWTP Compliance Evaluation Inspection (CEI)

Ladies and Gentlemen:

On March 26, 2009, I conducted a Compliance Evaluation Inspection at the West Alexandria Wastewater Treatment Plant (WWTP). A copy of my inspection report is enclosed. The inspection report contains one marginal, but no unsatisfactory ratings.

If you have any questions or comments concerning the contents of this letter, please feel free to contact me this office.

Sincerely,

Maureen M. Ware  
Division of Surface Water

cc: Chris Day  
cc: Preble County Health Dept.



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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
1PB00035	OH0021598	03/26/09	C	S	1

Section B: Facility Data		
Name and Location of Facility Inspected	Entry Time	Permit Effective Date
West Alexandria WWTP 33 Desoto Drive West Alexandria, Ohio 45381	10:45 AM	5/1/7
	Exit Time	Permit Expiration Date
	11:30 AM	4/30/12
Name(s) and Title(s) of On-Site Representatives		Phone Number(s)
Chris Day, Superintendent		937-839-4151
Name, Address and Title of Responsible Official		Phone Number
Mayor and Council PO Box 265 West Alexandria, Ohio 45381		

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

**Section D: Summary of Findings (Attach additional sheets if necessary)**

The marginal rating on the Effluent/Receiving Waters was due to numerous pH violations. They are continuing to investigate possible causes of the pH violations such as illegal discharges to the sewer system. Mr. Day has called the 1-800 number when violations have occurred. I told him about the new electronic notification method, which may be more convenient for him to use. While West Alexandria does not have functional sludge drying beds, sludge from the digester is pressed once every 3 months. At this time, West Alexandria does not have the sign at the outfall requirement in their permit.

Inspector	Reviewer
 Maureen M. Ware Division of Surface Water Southwest District Office	 Martyn Burt Compliance & Enforcement Supervisor Division of Surface Water Southwest District Office
3/30/09	3/31/09



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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) Correct name and location of receiving waters.....Y
- (c) Product(s) and production rates conform with permit application (Industries).....N/A
- (d) Flows and loadings conform with NPDES permit.....Y
- (e) Treatment processes are as described in permit application...Y
- (f) New treatment process(es) added since last inspection.....N
- (g) Notification given to State of new, different or increased discharges.....N/A
- (h) All discharges are permitted.....Y
- (i) Number and location of discharge points are as described in permit.....Y

Comments/Status:

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**Section F: Permit Verification**

- (a) Any significant violations since the last inspection.....Y
- (b) Permittee is taking actions to resolve violations.....Y
- (c) Permittee has a compliance schedule.....N
- (d) Compliance schedule contained in 

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- (e) Permittee is meeting compliance schedule.....N/A



Comments/Status:

West Alexandria has had problems with pH. They are continuing the investigation as to the cause of the pH violations.

**Section G: Operation & Maintenance**

**Treatment Works:**

Treatment facility properly operated and maintained

- (a) Standby power available.....generator (X ) or dual feed ( ).....Y
- (b) Adequate alarm system available for power or equipment failures..Y
  
- (c) All treatment units in service other than backup units.....Y
- (d) Wastewater Treatment Works classification (OAC 3745-7).....II
- (e) Operator of Record holds unexpired license of class required by permit.....Y  
Class: II
- (f) Copy of certificate of Operator of Record displayed on-site.....Y
- (g) Minimum operator staffing requirements fulfilled (OAC 3745-7)...Y
- (h) Routine and preventative maintenance scheduled/performed.....Y
- (i) Any major equipment breakdown since last inspection.....N
- (j) Operation and maintenance manual provided and maintained....Y
- (k) Any plant bypasses since last inspection.....N
- (l) Regulatory agency notified of bypasses.....N/A  
On MORs  and/or Spill Hotline (1-800-282-9378)
- (m) Any hydraulic and/or organic overloads since last inspection.....N

**Record Keeping:**

- (a) Log book provided.....Y
- (b) Format of log book (i.e. computer log, hard bound book)  

Hard bound book
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- (c) Log book(s) kept onsite (in an area protected from weather).....Y
- (d) 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  
Daily record of operation and maintenance activities



- (including preventative maintenance, repairs and request for repairs).....Y
- III. Laboratory results (unless documented on bench sheets)...Bench Sheets
- IV. Identification of person making log entries.....Y
- (d) Has the operator of record submitted written notification 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\*

Notes:

**Collection System:**

- (a) Percent combined system: 0%
- (b) Any collection system overflows since last inspection.....N  
(CSO  and/or SSO )
- (c) Regulatory agency notified of overflows (SSOs).....N/A
- (d) CSO O&M plan provided and implemented.....N/A
- (e) CSOs monitored and reported in accordance with permit.....N/A
- (f) Portable pumps used to relieve system.....N
- (g) Lift station alarms provided and maintained.....Y
- (h) Are lift stations equipped with permanent standby power or equivalent.....Y
- (i) Is there an inflow/infiltration problem (separate sewer system), or were there any major repairs to collection system since last inspection.....Y
- (j) Any complaints received since last inspection of basement flooding...N
- (k) Are any portions of the sewer system at or near capacity.....N

Comments/Status:

Mr. Day has called the 1-800 number when violations have occurred. I told him about the new electronic notification method, which may be more convenient for him to use.



**Section H: Sludge Management**

- (a) Sludge management plan (SMP)  
Submitted date:                      Approval #:                      Not submitted     N/A
- (b) Sludge management plan current.....Y  
(c) Sludge adequately disposed.....Y  
(d) If sludge is incinerated, where is ash disposed of  
(e) Is sludge disposal contracted.....N/A  
(Name:                      )  
(f) Has amount of sludge generated changed significantly since  
last inspection.....N  
(g) Adequate sludge storage provided at plant.....Y\*  
(h) Land application sites monitored and inspected per SMP..... N/A  
(i) Records kept in accordance with State and Federal law.....Y  
(j) Any complaints received in last year regarding sludge.....N  
(k) Is sludge adequately processed (digestion, pathogen control).....Y

**Comments/Status:**

Sludge from the digester is pressed once every 3 months.

**Section I: Self-Monitoring Program**

**Flow Measurement:**

- (a) Primary flow measuring device operated and maintained.....Y  
Type of device: Ultrasonic & Parshall flume [ ] Ultrasonic & Weir [X] Weir [ ]  
Calculated from influent [ ]                      Other [ ](Specify:                      )
- (b) Calibration frequency adequate .....Y  
(Date of last calibration: every 3 months)  
(c) Secondary instruments operated and maintained..... Y  
(d) Flow measurement equipment adequate to handle full range  
of flows.....Y  
(e) Actual flow discharged is measured.....Y  
(f) Flow measuring equipment inspection frequency  
x Daily Weekly monthly other

**Comments/Status:**



**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
- (d) Sample collection procedures are adequate.....Y
  - (i) Samples refrigerated during compositing.....Y
  - (ii) Proper preservation techniques used.....Y
  - (iii) Containers and sample holding times prior to analysis conform with 40 CFR 136.3.....Y
- (e) 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
- (f) Adequate records maintained of sampling date, time, location, etc...Y

**Laboratory:**

*General*

- (a) EPA approved analytical testing procedures used (40 CFR 136.3)...Y
- (b) If alternate analytical procedures are used, proper approval has been obtained.....N/A
- (c) Analyses being performed more frequently than required by permit...Y
- (d) If (c) is yes, are results in permittee's self-monitoring report.....Y
- (e) Commercial laboratory used.....Y  
Parameters analyzed by commercial lab: everything except pH and DO.

Lab name: Masi

*Quality Control/Quality Assurance*

- (f) Quality assurance manual provided and maintained.....Y
- (g) Satisfactory calibration and maintenance of instruments/equipment...Y
- (h) Adequate records maintained.....Y
- (i) Results of latest USEPA quality assurance performance sampling program:  Satisfactory  Marginal  Unsatisfactory N/A

Date:

**Comments/Status**

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**Section J: Effluent/Receiving Water Observations**

Outfall Number	Outfall sign in place?	Oil sheen	Grease	Turbidity	Foam	Solids	Color	Other
001	N	N	N	N	N	N	N	N

**Comments/Status:**

At this time, West Alexandria does not have the sign at the outfall requirement in their permit.

**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:**

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