



State of Ohio Environmental Protection Agency

Northwest District Office

347 North Dunbridge Road
Bowling Green, OH 43402-9398

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www.epa.state.oh.us

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

Re: Richland County
City of Mansfield WWTP
NPDES Permit

September 18, 2009

John Jordan, Public Works Director
City of Mansfield
30 North Diamond Street
Mansfield, Ohio 44902

Dear Mr. Jordan:

On September 10, 2009, Walter Ariss completed a compliance inspection of the wastewater treatment facilities serving the City of Mansfield. Mr. Marc Morgan, Plant Manager, was present for a tour of the facilities and to provide information on plant operations and maintenance. The inspection included completion of a checklist designed to evaluate major areas of the treatment plant.

The majority of the treatment units were in operation at the time of the inspection. The bypass to the EQ basin was not active and all flow was going directly to the wastewater treatment plant. A clear effluent was being discharged from the final clarifiers.

There were several individual pieces of equipment that were out of service during the inspection. One of the final clarifier tanks was out of service due to bad bearings in the sludge collector drive. Mr. Morgan stated that the clarifier would be put back in service as soon as replacement parts arrive. Once this clarifier is repaired, plant staff has determined that the fourth clarifier also needs to have its bearings replaced. We encourage you to have this work completed by winter when increased flows typically occur at the treatment plant.

The floating cover anaerobic digester was also out of service. The digester cover has been leaking for a period of approximately two and a half years. The replacement of the cover should be a priority item for future upgrades at the treatment plant.

The mechanical bar screen at the Park Avenue lift station on the Rocky Fork was not in service. This situation was also noted during our previous inspection. Mr. Morgan indicated that the brackets that hold the isolation gate for the bar screen in place have rusted through and no longer allow for isolation of flow from the mechanical screen. The maintenance of the mechanical screen should be a priority. The backup manually cleaned bar screen is located in the wet well and cannot be accessed during wet weather when the majority of debris would need to be removed. Operator safety is also a concern with the location of the manually cleaned bar screen.



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It was noted that several of the return activated sludge pumps have been rebuilt since our last inspection. These pumps were original equipment and had not been rebuilt for approximately 20 years.

The NPDES permit for the discharge from the treatment plant contains a compliance schedule for several projects. One of the first milestones is to submit a Closure and Post Closure Plan for the sludge disposal area. This report was to have been submitted by November 1, 2008. As of the date of this letter our office has yet to receive the required plan. On January 28, 2009 we received a proposal from Mr. Morgan for the land application of the material within the surface impoundment. Our Agency responded via a letter dated March 3, 2009 that we are willing to consider the land application of this material as Class B biosolids following appropriate testing. No further correspondence from the City has been received since then. We currently view the City to be **in significant noncompliance** with this milestone of the compliance schedule as a plan has not yet been submitted. The Closure/Post Closure plan or land application plan should be submitted as soon as possible.

Other compliance schedule items include final mercury limitations and the submittal of a sludge management plan. We have received a mercury variance application from the City and are currently reviewing its contents. We have also received a draft sludge management plan from Mr. Morgan. The contents of this plan appear acceptable and a formal submittal is requested.

A review of your discharge monitoring reports submitted for October 2008 through July 2009 revealed several violations of the limits contained in your NPDES permit. A printout of these **violations** is included in the attached spreadsheet. During the above time period, the EQ basin overflowed on 32 days.

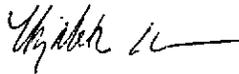
During the inspection Mr. Morgan mentioned that the plant lab technician had recently retired. The new lab technician is a transfer from the City finance department and not familiar with wastewater treatment or laboratory procedures. This has caused some sample collection and analysis to be missed. A review of the wastewater treatment plant approved operations and maintenance manual indicates that a laboratory supervisor and laboratory technician are required to be on staff. The position basic qualifications listed in the manual recommend that the laboratory supervisor have a degree in chemistry, biology or microbiology or be continuing a collegiate level of study to obtain a degree in the above fields. The laboratory technician qualifications include having a Class I wastewater license, academic success in science and laboratory courses, and experience assisting in a laboratory.

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Mr. Morgan indicated that the previous experienced lab technician was having trouble completing all of the required daily testing before he retired and that the new technician is unable to complete all of the daily testing at this time so some samples must be sent out for analysis. The laboratory supervisor position is currently unfilled. Our office is beginning to have concerns regarding the staffing levels at the treatment plant. Besides the laboratory supervisor, the operator supervisor and maintenance supervisor positions are currently not filled. Appropriate staffing is essential to the operation of the treatment plant. The City is encouraged to fill these positions with qualified personnel as soon as possible.

In summary, the treatment plant appeared to be operating correctly at the time of the inspection. The completed inspection report is enclosed for your review. If you have any questions, please contact Walter Ariss at 419-373-3070.

Yours truly,



Elizabeth A. Wick, P.E.
District Engineer/Unit Supervisor
Division of Surface Water

/csl

Enclosure

pc: NWDO-DSW file w/enclosure
Jim DeSanto, City Engineer, City of Mansfield
Marc Morgan, City of Mansfield WWTP w/enclosure



State of Ohio Environmental Protection Agency
Northwest District Office

NPDES Compliance Inspection Report

Section A: National Data System Coding					
Permit #	NPDES#	Month/Day/Year	Inspection Type	Inspector	Facility Type
OH0026328	2PE00001	9/10/2009	C	S	1

Section B: Facility Data		
Name and Location of Facility Inspected	Entry Time	Permit Effective Date
City of Mansfield WWTP 385 South Illinois Avenue Mansfield, OH 44905	10:00	8/1/2008
	Exit Time	Permit Expiration Date
	1:30	6/30/2012
Name(s) and Title(s) of On-Site Representatives	Phone Number(s)	
Marc Morgan, Plant Manager	419-589-2830	
Name, Address and Title of Responsible Official	Phone Number	
John Jordan, Public Works Director	419-755-9736	

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	M	Compliance Schedule
S	Operations & Maintenance	S	Effluent/Receiving Waters	S	Self-Monitoring Program
S	Facility Site Review	M	Sludge Storage/Disposal	S	Other
M	Collection System				

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

Inspector	Reviewer
 Date: 9/10/09	 Date: 9/17/09
Walter Ariss Division of Surface Water Northwest District Office	Elizabeth A. Wick, P.E. Water Quality Engineer Division of Surface Water Northwest District Office

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:

Section F: Compliance Schedules/Violations

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

Comments/Status:

November 1, 2008, written closure and post closure plan for sludge disposal area-Not Received

Section G: Operation & Maintenance

Treatment Works:

Treatment facility properly operated and maintained

- (a) Standby power available.....generator 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..... N
- (d) Wastewater Treatment Works classification (OAC 3745-7)..... IV
- (e) Operator of Record holds unexpired license of class required by permit..... Y
 Class: IV
- (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..... Y
- (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..... Y

Record Keeping:

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

computer maintenance log, paper work request sheets
- (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
 - III. Daily record of operation and maintenance activities (including preventative maintenance, repairs and request for repairs)..... Y
 - IV. Laboratory results (unless documented on bench sheets)... Y
 - V. 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..... N/A

Section G: Operation & Maintenance (con't)

Collection System:

- (a) Percent combined system: 0%
- (b) Any collection system overflows since last inspection..... Y
(CSO and/or SSO)
- (c) Regulatory agency notified of overflows (SSOs)..... Y
- (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 Y
- (k) Are any portions of the sewer system at or near capacity..... N

Comments/Status:

Treatment Works
a) generator runs storm screws, clarifiers and blowers, chlorine. Not WAS or RAS pumps
c) one final clarifier out of service, gas holding digester still out of service.
g) One class IV, three class III, one class II, one class I
i) drive on one of final tanks went out and is being replaced

Collection system
g) treatment plant staff in charge of all lift stations, all have either radio or dialer alarms
h) Park Ave and five smaller stations have backup

Section H: Sludge Management

- (a) Sludge management plan (SMP)
Submitted date: 3/20/2004 Approval #: Not submitted N/A
- (b) Sludge management plan current..... N
(c) Sludge adequately disposed..... Y
(Method: Landfill)
(d) If sludge is incinerated, where is ash disposed of
(e) Is sludge disposal contracted..... Y
(Name: Santek Crawford Co. Landfill)
(f) Has amount of sludge generated changed significantly since
last inspection..... N
(g) Adequate sludge storage provided at plant..... N
(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:

Gas holder out of service. Methane gas mixing out of service, using recirculation pumps.

Section I: Self-Monitoring Program

Flow Measurement:

- (a) Primary flow measuring device operated and maintained..... Y
Type of device: Ultrasonic & Parshall flume Ultrasonic & Weir Weir
Calculated from influent Other (Specify: magmeters)
- (b) Calibration frequency adequate N
(Date of last calibration: once every two years)
(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..... N
(f) Flow measuring equipment inspection frequency
 Daily Weekly monthly other

Comments/Status:

B) Marc stated this has not been done. He will schedule a calibration.

Flows measured by adding and subtracting recycle and waste stream flows from influent.

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: Metals, Pretreatment

Lab name: Alloway and Ginosko

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
- Date: completed testing for Sept. 2009 but have not gotten results yet

Comments/Status:

Have a new lab analyst. Having some difficulty getting up to speed on all the sampling requirements which is why they have missed some samples.

Section J: Effluent/Receiving Water Observations

Outfall Number	Oil sheen	Grease	Turbidity	Visible Foam	Visible Floating Solids	Color	Other
001	none	none	none	none	none	none	none

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:

F. GUIDE - VISUAL OBSERVATION - UNIT PROCESS

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 Protection	S	
	Safety Features	S	
	Bypasses	OUT	
	Stormwater Overflows	OUT	
	Alternate Power Source	OUT	
	EQ Basin	IN	Draining basin back into plant
Preliminary	Maintenance of Collection Systems	M	
	Pump Station	IN	Park avenue station, all pumps have now been rebuilt
	Ventilation	S	
	Bar Screen	IN	2 Mechanical, one manual backup
	Disposal of Screenings	S	Landfill
	Comminutor		
	Grit Chamber	IN	Aerated
	Disposal of Grit	S	Landfill
	EQ grit	OUT	
Primary	Settling Tanks	IN	2 tanks
	Scum Removal	IN	
	Sludge Removal	IN	2 pumps
	Effluent	S	
Sludge Disposal	Digesters	IN	4 anaerobic units
	Temperature and pH	S	Insulation on covers starting to come off
	Gas Production	S	Used to run blowers, gas holder out of service
	Heating Equipment	IN	
	Sludge Pumps	IN	2 WAS, 5 RAS, 1 dilution pump - RAS pumps have been rebuilt
	Disposal of Sludge	S	Crawford County Landfill
	Belt Filter Press	IN	2 presses, both in service
	Sludge Gravity Thickener	IN	2 tanks, only use one at a time
Other	Flow Meter and Recorder	IN	
	Records	S	
	Lab Controls	S	
	Chemical Treatment	OUT	Polymer addition to sludge prior to filter press
	Sludge rotary screen	IN	
Secondary-Tertiary List items as	Aeration Tanks	IN	8 Tanks
	Blowers	IN	4 units
	Secondary Clarifiers	IN	4 units, one unit out of service with bad drive
Disinfection	Effluent	S	
	Disinfection System	IN	Gas chlorine feed, EQ overflow dosing has been repaired
	Effective Dosage	S	
	Contact Time	S	
	Contact Tank	IN	
	Dechlorination	IN	Sulfur dioxide

Get New Data

Mansfield NPDES permit limit violations October 2008 through July 2009

Permit No.	Reporting Period	Station	Reporting Code	Parameter	Limit Type	Limit	Reported Value	Violation Date
2PE00001*JD	October 2008	001	00530	Total Suspended Solids	30D Conc	12	17.0476	10/1/2008
2PE00001*JD	October 2008	002	00530	Total Suspended Solids	30D Conc	12	16.4761	10/1/2008
2PE00001*JD	October 2008	001	00530	Total Suspended Solids	7D Conc	18	26.	10/8/2008
2PE00001*JD	October 2008	002	00530	Total Suspended Solids	7D Conc	18	25.	10/8/2008
2PE00001*JD	October 2008	001	00530	Total Suspended Solids	7D Conc	18	33.2	10/15/2008
2PE00001*JD	October 2008	002	00530	Total Suspended Solids	7D Conc	18	31.6	10/15/2008
2PE00001*JD	November 2008	602	00530	Total Suspended Solids	30D Conc	30	54.	11/1/2008
2PE00001*JD	November 2008	001	00530	Total Suspended Solids	7D Conc	40	49.25	11/8/2008
2PE00001*JD	November 2008	602	00530	Total Suspended Solids	7D Conc	45	54.	11/15/2008
2PE00001*JD	November 2008	002	00552	Oil and Grease, Hexane	1D Conc	10	14.	11/26/2008
2PE00001*JD	December 2008	602	00530	Total Suspended Solids	30D Conc	30	39.5	12/1/2008
2PE00001*JD	December 2008	602	80082	CBOD 5 day	30D Conc	25	40.5	12/1/2008
2PE00001*JD	December 2008	602	00530	Total Suspended Solids	7D Conc	45	62.	12/8/2008
2PE00001*JD	December 2008	602	80082	CBOD 5 day	7D Conc	40	50.	12/8/2008
2PE00001*JD	January 2009	001	01119	Copper, Total Recovera	30D Conc	24	26.0222	1/1/2009
2PE00001*JD	January 2009	002	01119	Copper, Total Recovera	30D Conc	24	24.5444	1/1/2009
2PE00001*JD	January 2009	001	01119	Copper, Total Recovera	1D Conc	40	47.	1/5/2009
2PE00001*JD	January 2009	002	01119	Copper, Total Recovera	1D Conc	40	45.	1/5/2009
2PE00001*JD	January 2009	001	61942	pH, Minimum	1D Conc	6.5	6.3	1/7/2009
2PE00001*JD	January 2009	001	61942	pH, Minimum	1D Conc	6.5	6.28	1/13/2009
2PE00001*JD	January 2009	001	61942	pH, Minimum	1D Conc	6.5	6.44	1/18/2009
2PE00001*JD	February 2009	602	00530	Total Suspended Solids	30D Conc	30	38.8	2/1/2009
2PE00001*JD	February 2009	001	61942	pH, Minimum	1D Conc	6.5	5.56	2/10/2009
2PE00001*JD	February 2009	001	61942	pH, Minimum	1D Conc	6.5	4.72	2/11/2009
2PE00001*JD	February 2009	001	61942	pH, Minimum	1D Conc	6.5	4.75	2/12/2009
2PE00001*JD	February 2009	001	61942	pH, Minimum	1D Conc	6.5	6.44	2/19/2009
2PE00001*JD	February 2009	001	61942	pH, Minimum	1D Conc	6.5	6.46	2/20/2009
2PE00001*JD	February 2009	001	61942	pH, Minimum	1D Conc	6.5	6.25	2/21/2009
2PE00001*JD	February 2009	002	61942	pH, Minimum	1D Conc	6.5	5.86	2/25/2009
2PE00001*JD	February 2009	002	00300	Dissolved Oxygen	1D Conc	5.0	3.9	2/28/2009
2PE00001*JD	March 2009	602	00530	Total Suspended Solids	30D Conc	30	68.5	3/1/2009
2PE00001*JD	March 2009	602	80082	CBOD 5 day	30D Conc	25	34.	3/1/2009
2PE00001*JD	March 2009	001	61942	pH, Minimum	1D Conc	6.5	6.46	3/7/2009
2PE00001*JD	March 2009	001	61942	pH, Minimum	1D Conc	6.5	6.35	3/8/2009
2PE00001*JD	March 2009	602	00530	Total Suspended Solids	7D Conc	45	68.5	3/8/2009
2PE00001*JD	March 2009	001	61942	pH, Minimum	1D Conc	6.5	6.19	3/9/2009
2PE00001*JD	March 2009	001	61942	pH, Minimum	1D Conc	6.5	5.87	3/10/2009
2PE00001*JD	March 2009	001	61942	pH, Minimum	1D Conc	6.5	2.18	3/11/2009
2PE00001*JD	March 2009	002	61942	pH, Minimum	1D Conc	6.5	4.84	3/11/2009
2PE00001*JD	March 2009	001	00300	Dissolved Oxygen	1D Conc	5.0	4.	3/16/2009
2PE00001*JD	April 2009	602	00530	Total Suspended Solids	30D Conc	30	70.	4/1/2009
2PE00001*JD	April 2009	602	80082	CBOD 5 day	30D Conc	25	36.	4/1/2009
2PE00001*JD	April 2009	602	00530	Total Suspended Solids	7D Conc	45	70.	4/15/2009
2PE00001*JD	May 2009	001	61941	pH, Maximum	1D Conc	9.0	9.1	5/26/2009
2PE00001*JD	May 2009	001	61941	pH, Maximum	1D Conc	9.0	9.9	5/27/2009
2PE00001*JD	May 2009	001	61941	pH, Maximum	1D Conc	9.0	9.12	5/30/2009
2PE00001*JD	May 2009	001	61941	pH, Maximum	1D Conc	9.0	9.1	5/31/2009
2PE00001*JD	June 2009	001	61941	pH, Maximum	1D Conc	9.0	9.6	6/1/2009
2PE00001*JD	June 2009	001	61941	pH, Maximum	1D Conc	9.0	9.1	6/4/2009
2PE00001*JD	June 2009	001	00300	Dissolved Oxygen	1D Conc	5.0	2.6	6/19/2009
2PE00001*JD	June 2009	001	61941	pH, Maximum	1D Conc	9.0	9.4	6/19/2009
2PE00001*JD	June 2009	001	00300	Dissolved Oxygen	1D Conc	5.0	2.9	6/20/2009

2PE00001*JD	June 2009	001	00300	Dissolved Oxygen	1D Conc	5.0	1.3	6/21/2009
2PE00001*JD	June 2009	001	00300	Dissolved Oxygen	1D Conc	5.0	2.8	6/22/2009
2PE00001*JD	June 2009	001	00300	Dissolved Oxygen	1D Conc	5.0	3.4	6/23/2009
2PE00001*JD	June 2009	001	00300	Dissolved Oxygen	1D Conc	5.0	4.1	6/24/2009
2PE00001*JD	June 2009	001	00300	Dissolved Oxygen	1D Conc	5.0	2.8	6/25/2009
2PE00001*JD	June 2009	001	00300	Dissolved Oxygen	1D Conc	5.0	1.4	6/26/2009
2PE00001*JD	June 2009	001	61941	pH, Maximum	1D Conc	9.0	10.3	6/26/2009
2PE00001*JD	June 2009	001	61941	pH, Maximum	1D Conc	9.0	10.6	6/27/2009
2PE00001*JD	June 2009	001	00300	Dissolved Oxygen	1D Conc	5.0	1.3	6/28/2009
2PE00001*JD	June 2009	001	00300	Dissolved Oxygen	1D Conc	5.0	1.5	6/29/2009
2PE00001*JD	June 2009	001	61942	pH, Minimum	1D Conc	6.5	5.6	6/29/2009
2PE00001*JD	June 2009	001	00300	Dissolved Oxygen	1D Conc	5.0	3.9	6/30/2009
2PE00001*JD	July 2009	602	80082	CBOD 5 day	30D Conc	25	32.4	7/1/2009
2PE00001*JD	July 2009	001	00300	Dissolved Oxygen	1D Conc	5.0	4.7	7/27/2009