



Environmental
Protection Agency

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



1PA0000520081205

CLINTON

NEW VIENNA WWTP

WALLER, MICHELLE 2008/12/05



State of Ohio Environmental Protection Agency

Southwest District Office

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

December 4, 2008

Mayor and Council
Village of New Vienna
P.O. Box 323
New Vienna, OH 45159

RE: New Vienna Wastewater Treatment Plant/Compliance Evaluation
Inspection, NPDES Permit No. OH000021393/ OEPA Permit No.
1PA00005*ED

Ladies and Gentlemen:

On November 21, 2008, I conducted an NPDES Compliance Evaluation Inspection at the New Vienna Wastewater Treatment Plant. The purpose of the inspection was to evaluate compliance with the terms and condition of the facility's NPDES permit.

Some categories inspected received below "Satisfactory" ratings. The justifications for those ratings are included in this report.

Please pay special attention to all items marked in bold, for they require a corrective action. If you have any questions, please contact me by phone at (937) 285-6028 or by e-mail at michelle.waller@epa.state.oh.us.

Respectfully,

Michelle Waller
Environmental Specialist II
Division of Surface Water

Enclosures

Cc: Ernest Stfickler

New Vienna Water Treatment Plant
(Items for Correction in Bold)

The "Permit" section received an "Unsatisfactory" rating because the renewal application for the New Vienna Water Treatment Plant was not submitted 180 days prior to the permit expiration date of September 30, 2008. The renewal application was received November 7, 2008.

A records review was done for the period of January 2007 to November 2008. This review showed that New Vienna failed to monitor and report for various parameters (694 frequency violations). This was discussed with Ernest Strickler during the inspection, and after checking records for several of the months in question, it appears that the plant was not discharging on the days the violations were reported. It appears that the appropriate coding for "sample not taken" was not used. This was also found to be a problem when the plant was last inspected in January 2007. **Use appropriate coding when the facility is not discharging to prevent frequency violation from occurring.**

The following effluent limit violations were also recorded for outfall 1PA00005001:

Reporting Period	Parameter	Limit Type	Limit	Reported Value	Violation Date
May 2008	Total Suspended Solids	30D Conc	65	88.25	5/1/2008
May 2008	Total Suspended Solids	7D Conc	90	91.5	5/1/2008
September 2007	CBOD 5 day	30D Conc	25	46.	9/1/2007
September 2007	CBOD 5 day	7D Conc	40	46.	9/22/2007

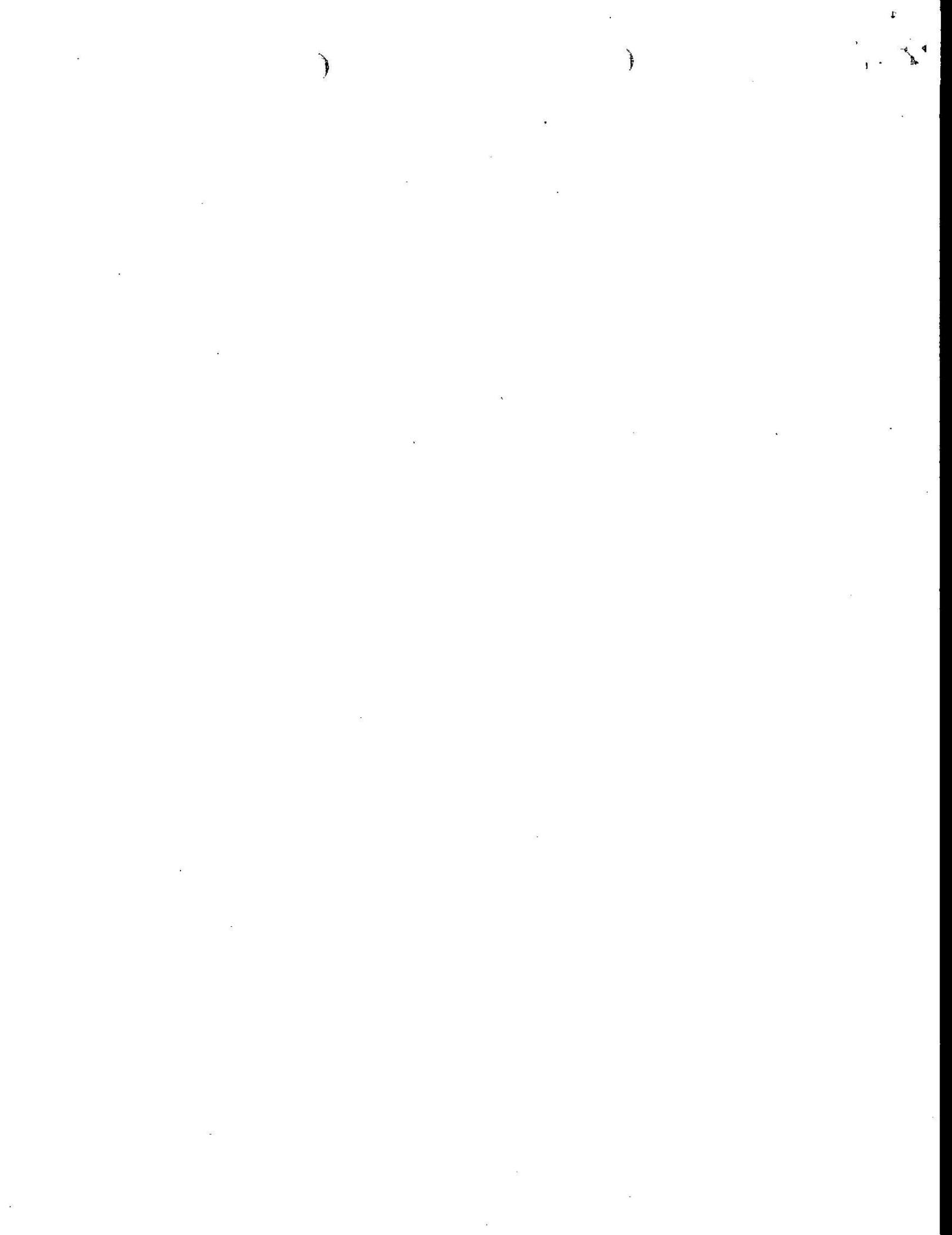
The "Records/Reports" was given a "Marginal" rating due to the above mentioned frequency violations.

The last inspection of this facility occurred in January 2007. It was noted at the time by Joshua Jackson that there may be potential issues with confined space entry in regards to entering a pit to discharge from a lagoon cell. In order to discharge, the operator must climb down into a valve pit (approximately 10 feet diameter X 15 feet deep) to turn the valves. According to 29 CFR 1910.146, a confined space is:

1. Large enough for an employee to enter fully and perform assigned work;
2. Is not designed for continuous occupancy by the employee;
3. Has a limited or restricted means of entry or exit.

The valve pit seems to fit the definition of a confined space. Joshua Jackson requested that the Village or contract operator determine what requirements, if any, would apply in this specific situation, and forward on the results of these findings to the Ohio EPA Southwest District Office. No such report has been

filed. For the safety of the worker opening the valve for the lagoon, one possibility may be to install risers out of the pit to turn the pipes so entry would no longer be required. **Please forward the results of the study on the valve pit entry to the Ohio EPA Southwest District Office no later than March 1, 2009.**





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
1PA00005*ED	OH0021393	11/21/2008	C	S	2

Section B: Facility Data		
Name and Location of Facility Inspected New Vienna Wastewater Treatment Plant State Route 73 New Vienna, Ohio 45159	Entry Time	Permit Effective Date
	9:30 AM	10/1/2003
	Exit Time	Permit Expiration Date
	10:50 AM	9/30/2008
Name(s) and Title(s) of On-Site Representatives		Phone Number(s)
Ernest Stickler – Technical Field Supervisor		(513) 383-6074
David Cline – Operator		(513) 383-6030
Name, Address and Title of Responsible Official		Phone Number
Mayor and Council Village of New Vienna P.O. Box 323 New Vienna, Ohio 45159		(937) 987-2477

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

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

See attached report.

Inspector	Reviewer
<i>Michelle Waller</i> 12/5/2008 Michelle Waller Date Division of Surface Water Southwest District Office	<i>Martyr Burt</i> 12/5/08 Martyr Burt Date Compliance & Enforcement Supervisor Division of Surface Water Southwest 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)..... Y
- (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

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

Comments/Status:

Review period 1/1/2007 - 11/1/2008.
 694 frequency violations for TSS, CBOD 5 day, water temperature, color, odor, turbidity, pH and dissolved oxygen.
 4 limit violations for TSS and CBOD.

Section G: Operation & Maintenance

Treatment Works:

Treatment facility properly operated and maintained

- (a) Standby power available.....generator or dual feed N
- (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)..... A
- (e) Operator of Record holds unexpired license of class required by permit..... Y
Class: I
- (f) Copy of certificate of Operator of Record displayed on-site..... N/A
- (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. The log book is kept in the truck with the operator.

- (c) Log book(s) kept onsite (in an area protected from weather)..... N
- (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)... N
 - 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..... N/A
(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/A
- (g) Lift station alarms provided and maintained..... N/A
- (h) Are lift stations equipped with permanent standby power
or equivalent..... N/A
- (i) Is there an inflow/infiltration problem (separate sewer system),
or were there any major repairs to collection system since
last inspection..... N/A
- (j) Any complaints received since last inspection of basement flooding N/A
- (k) Are any portions of the sewer system at or near capacity..... N/A

Comments/Status:

Section H: Sludge Management

- (a) Sludge management plan (SMP)
Submitted date: Approval #: Not submitted N/A
- (b) Sludge management plan current..... N/A
- (c) Sludge adequately disposed..... N/A
(Method:)
- (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/A
- (g) Adequate sludge storage provided at plant..... N/A
- (h) Land application sites monitored and inspected per SMP..... N/A
- (i) Records kept in accordance with State and Federal law..... N/A
- (j) Any complaints received in last year regarding sludge..... N/A
- (k) Is sludge adequately processed (digestion, pathogen control)..... N/A

Comments/Status:

Lagoons have never been dredged out.

Section I: Self-Monitoring Program

Flow Measurement:

- (a) Primary flow measuring device operated and maintained..... Y
Type of device: Ultrasonic & Parshall flume Ultrasonic & open pipe
Weir Calculated from influent Other (Specify:)
- (b) Calibration frequency adequate Y
(Date of last calibration: February 2008)
- (c) Secondary instruments operated and maintained..... N/A
- (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
 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. N
- (d) If (c) is yes, are results in permittee's self-monitoring report..... N/A
- (e) Commercial laboratory used..... Y

Lab name: Belmont Labs

Quality Control/Quality Assurance

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

Date:

Comments/Status:

Section J: Effluent/Receiving Water Observations

Outfall Number	Outfall sign in place?	Oil sheen	Grease	Turbidity	Foam	Solids	Color	Other
001	No	No discharge						

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: