



State of Ohio Environmental Protection Agency

Southwest District Office

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Dayton, Ohio 45402

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

October 23, 2009

Ms. Kim Jones
City of New Carlisle
P.O. Box 419
New Carlisle, OH 45344

CERTIFIED LETTER

**RE: New Carlisle WWTP – NPDES No. 1PD00018*GD/OH0020044
Compliance Evaluation Inspection – Clark County
Notice of Violation**

Dear Ms. Jones:

On October 8, 2009, Sandra Leibfritz conducted an inspection at New Carlisle WWTP located at 403 Garfield Street, New Carlisle, Ohio. Steve Durall was representing the facility. The Records/Reports area was rated as marginal and the Operation and Maintenance area was rated as unsatisfactory. All other areas that were evaluated were rated as satisfactory. For details on these rating, refer to the enclosed inspection report.

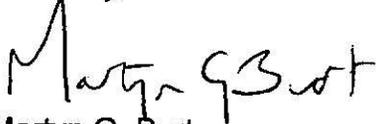
During the inspection, Ms. Leibfritz requested a maintenance list from the operator. The maintenance list, the CIP list and the inspection indicates that repair/replacement of equipment and routine preventive maintenance is not being performed in a timely manner in violation of Part II, Item Z of New Carlisle's NPDES permit. Maintenance items that need to be addressed include, but are not limited to, repair of raw influent and grit pumps, replacement of the sludge motors for primary clarifiers, biotowers and secondary clarifiers, replacement of the pump control float on influent pumping station, replacement of the skimmer boxes on both of the secondary clarifiers, rehabilitation of the rapid sand filters and ancillary equipment and rehabilitation of the aeration system and sludge pump in the digester. New Carlisle must adequately staff, operate, and maintain the plant in good working order. Ohio EPA recommends that New Carlisle investigate the use of a computerized maintenance management system. This software schedules preventive maintenance, receives and manages maintenance requests, creates work orders and tracks work history, inventory and maintenance cost for equipment.

Ohio EPA's Technical Assistance group can also help you address these issues. The only requirement of the facility is the willingness to work with our group to correct any issues that may be identified. In addition, Ohio EPA was informed of the employee who recently fell in a wet well. New Carlisle should contact Public Employment Risk Reduction Program to request a "Safety Survey." This program will assist New Carlisle in identifying hazards to employees as well as recommending solutions.

Ms. Jones
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There are 8 items requiring a response. We ask for a written response no later than November 13, 2009. Your response must describe the actions or corrective measures that have or will be taken to address these issues. If you should have any questions about the inspection, please call Ms. Leibfritz at (937) 285-6104 or me at (937) 285-6034. If you should have questions about our Technical Assistance group, please contact Jon VanDommelen at (614) 644-2011.

Sincerely,



Martyn G. Burt
Environmental Supervisor
Division of Surface Water

cc: Clark County Health Department
Steve Durall, WWTP Superintendent

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
1PD00018*GD	OH0020044	10/08/09	C	S	1

Section B: Facility Data		
Name and Location of Facility Inspected	Entry Time	Permit Effective Date
City of New Carlisle WWTP 403 Garfield Avenue New Carlisle, OH 45344-0419	9:00 a.m.	July 1, 2008
	Exit Time	Permit Expiration Date
	1:30 p.m.	June 30, 2013
Name(s) and Title(s) of On-Site Representatives	Phone Number(s)	
Steven Durall, WWTP Superintendent Operator of Record	(937) 845-0814 (937) 604-2101 (cell)	
Name, Address and Title of Responsible Official	Phone Number	
Kim Jones City of New Carlisle P.O. Box 419 313 S. Church Street New Carlisle, OH 45344-0419	(937) 845-9492 (937) 845-2338 (fax)	

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

Section D: Summary of Findings (Attach additional sheets if necessary)	
See attached report.	
Inspector	Reviewer
 Sandra D. Leibfritz Division of Surface Water Southwest District Office	 Martyn Burt Compliance & Enforcement Supervisor Division of Surface Water Southwest District Office
10/21/09 Date	10/23/09 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) 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:

(b) The final effluent discharges to Honey Creek.
 (d) The WWTP is designed to serve an average daily hydraulic flow of 1.0 MG. During the period from January 2008 through December 2008, the WWTP discharged an average daily flow of 0.798 MG.
 (e) The wet stream process consists of wet well with mechanical screen, influent pumping, aerated grit chamber, comminutor, (2) primary clarifiers, (2) oxidation towers, (1) intermediate clarifier, (2) RBC trains (8 units total), (2) secondary clarifiers, flocculator clarifier, (3) rapid sand filters , chlorination/dechlorination with post aeration.

Section F: Compliance

- (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..... N
- (d) Compliance schedule contained in
- (e) Permittee is meeting compliance schedule..... N/A

Comments/Status:

(a) During the period from May 2009 through August 2009, there were two reported violations of chlorine. One was in May 2009 and the other was in August 2009.

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..... N
- (d) Wastewater Treatment Works classification (OAC 3745-7)..... III
- (e) Operator of Record holds an unexpired license of class required by Permit - Class: III..... Y
- (f) Copy of certificate of Operator Record displayed on-site..... Y
- (g) Minimum operator staffing requirements fulfilled (OAC 3745-7)... Y
- (h) Routine and preventative maintenance schedule/performed on time..... N
- (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
 Notified Inspector and/or Spill Hotline (1-800-282-9378)
- (m) Any hydraulic and/or organic overloads since last inspection..... N

Comments/Status:

(a) A generator is present on-site; however, it was inoperable during the inspection. The week before the inspection, the generator was brought on-line for a power outage. The generator worked for a short time and then quit. The power came back on before there was any overflow from the treatment units or sewer collection system. There are two issues that have to be addressed. The double liner to the fuel tank may be compromised causing water in the fuel and 5 out of the 12 injectors are fouled. The engine is scheduled to be repaired by October 16, 2009. In general, the generator is started whenever there is a power outage. The generator operates all equipment associated with flow except the mechanism on the flocculator clarifier. The generator should be started on a routine basis to ensure that it is capable of starting and running the treatment units at full loads during power outages.

(b) There are alarms to the bar screens, trickling filter pump, chlorine system, influent wet well, 1° clarifiers, 2° clarifiers and etc.

(c) The rapid sand filters are off-line. The operator reported that the electronic components are out of date and cannot be replaced. One of the secondary clarifiers is off-line due to a corroded skimmer box. This issue was noted in the previous inspection. The skimmer box on the other clarifier is starting to corrode. The automatic sludge valve was removed from the 1° clarifier and used to repair another treatment unit.

(e) New Carlisle has three Class III operators (Steve Durall, Scott Strayer and Danny Pratt) and one lab person.

(h) During the 2008 inspection, Ms. Leibfritz requested the WWTP's Capital Improvement Plan (CIP) for 2008-2012. When compared to the CIP for 2009-2013, it appears that the most of the WWTP's equipment slated for repair/replacement in 2008 has been delayed until 2009 along with all repairs/replacements in the following years. The operator reported that preventive maintenance has been delayed for various reasons, including health issues of one of their employees.

(i) See comments "a," "c."

(j) The O&M manual (dated 1991) needs to be updated. This was noted in the previous inspection.

(k) There is a bypass around the primary and part of the secondary treatment systems (bypass goes around the ammonia towers, RBCs and two of the secondary clarifiers). The bypass is located in the splitter box prior to the primary clarifiers. The bypass goes directly to the flocculator clarifier. A steel plate was clamped over the bypass pipe in April 2008. These clamps are missing.

Section G: Operation & Maintenance - Continued

Record Keeping:

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

Maintenance log and operator book are hardbound. Operator sign in/sign out is electronic time card.

- (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)... N
 - V. Identification of person making log entries..... Y
- (e) 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

Comments/Status:

(d)IV Bench sheets are kept in the laboratory.

(e)The operator has issues with submitting some of the required reports.

The DMRs are submitted in a timely manner; however, the noncompliance notification forms associated with the final effluent limitation violations in May 2009 and August 2009 have not been completed and submitted to Ohio EPA in violation of Part III, Item 12 (Noncompliance Notification). The operator believed that he was complying with the permit by placing a note in the comment section of the parameter that violated final effluent limits. The required forms are Non-compliance Notification for Bypasses and Upsets (Ohio EPA Form 4498) and Non-compliance Notification for Exceedance of a Daily Maximum Discharge Limit (Ohio EPA Form 4499). Ohio EPA acknowledges that this is new requirement in New Carlisle's modified permit that became effective date on January 1, 2009; however, the operator needs to become familiar with changes in the modified permit. These forms were provided to the operator in an e-mail dated 08/24/2009. As stated in Ms. Leibfritz's e-mail these forms may be e-mailed directly to her.

The Sanitary Sewer Overflow (SSO) 5-Day Follow Up Report was not submitted in a timely manner in violation of Part II, Item Y. The SSO occurred on March 19, 2009. This report was not submitted until October 8, 2009. This was an oversight by the operator. The form had been completed, but the operator forgot to sign it and submit it.

In addition, New Carlisle is required to submit an Annual Report for all SSOs that occurred in 2008. New Carlisle reported SSOs on August 8, 2008, October 25, 2008 and December 26, 2008 in their DMRs. This SSO Annual Report was due no later than March 31, 2009 on EPA Form 4238 (06/06). This form may be obtained at:

http://www.epa.ohio.gov/portals/35/permits/sso%20annual%20report%20final%2006%2006_fis.pdf

Failure to submit this report is in violation of Part II, Item Y. Immediately submit this report.

Section G: Operation & Maintenance - Continued

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..... Y
- (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/E
- (k) Are any portions of the sewer system at or near capacity..... N

Comments/Status:

Mr. Duvall is responsible for the collection system. The collection system is checked once a month. There are 45 historical spots that are checked. Approximately 6 to 8 places received root treatment.

(c) Ohio EPA was notified of New Carlisle's SSOs in their DMR; however, the SSO 5-Day Follow Up Reports and the SSO Annual Report were not submitted for 2008. See comments in the Record Keeping area.

(f) There are two portable pumps for the collection system. One pump is operable. The status of the second pump is unknown.

(g) There are 4 lift stations operated and maintained by New Carlisle as follows: (1) North Hampton (owned by North Hampton), (2) Home Creek Village MHP, (3) New Carlisle Cemetery and (4) State Route 571 (only visual alarm). All are equipped with two pumps. All pumps and alarm systems were reported as operational. The lift stations are equipped with an auto dialer. There are generators located at North Hampton's and Home Creek Village's lift station. A portable generator is available for use at the lift stations for New Carlisle Cemetery and State Route 571.

(i) In town, there are minimal I/I issues. There are significant I/I issues regarding Chateau Estates MHP, Brookwood MHP, Park Terrace MHP, Country Squire MHP and Honey Creek MHP.

Section H: Sludge Management

- (a) Sludge management plan (SMP)
 Submitted date: Approval #: Not submitted N/A
- (b) Sludge management plan current..... N/E
- (c) Sludge adequately disposed..... N/E
 (Method: land application – liquid injection)
- (d) If sludge is incinerated, where is ash disposed of N/A
- (e) Is sludge disposal contracted..... N
 (Name:)

Section H: Sludge Management - Continued

- (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/E
- (i) Records kept in accordance with State and Federal law..... N/E
- (j) Any complaints received in last year regarding sludge..... N
- (k) Is sludge adequately processed (digestion, pathogen control)..... N/E

Comments/Status:

The solid stream process consists of sludge thickening tank, aerobic digester and drying beds. Land application is by liquid injection at agronomic rates. For 2008, the Annual Sewage Sludge Report reported that 56.54 dry tons of Class B sewage sludge was land applied. Over half the diffuser pipes in the digester have broken off. This unit is scheduled to be repaired by the end of the year. New Carlisle has purchased four geotextile bags to handle solids during repair of the digester.

(e) The City of New Carlisle hauls and land applies liquid sludge to Studebaker Nursery and a farm located on New Carlisle Pike.

(g) The City of New Carlisle reported that there is 220 days of storage for sewage sludge available at the WWTP.

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
- (b) Calibration frequency adequate Y
 (Date of last calibration: September 16, 2009)
- (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:

(a) Flow is monitored at the influent via a mag meter.
 (b) ABB calibrates the meter 6 times a year.
 (c) Charts are kept greater than 5 years.
 (d) The mag meter is capable of handling 0 to 5.0 MG.
 (e) See item "a."

Section I: Self-Monitoring Program - Continued

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

Comments/Status:

(a)The influent sample is collected prior to the bar screens and the effluent sample is collected prior to post aeration, but after chlorination. Chlorine, pH and dissolved oxygen are collected after post aeration. The influent sampler is not working; however, the facility is in the process of ordering a new sampler.

Laboratory:

General

- (a) EPA approved analytical testing procedures used (40 CFR 136.3).. N/E
- (b) If alternate analytical procedures are used, proper approval has been obtained..... N/E
- (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 analyzes metals, oil & grease, fecal coliform, ammonia, nitrite/nitrate, and mercury

Lab name: New Carlisle analyzes temperature, DO, pH, TSS, CBOD, and chlorine

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	Oil Sheen	Grease	Turbidity	Visible Foam	Visible Floating Solids	Color	Other
001	None	None	None	None	None	Clear	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:

FINAL EFFLUENT VIOLATIONS – OUTFALL 001*

Reporting Period	Parameter	Limit, Type	Limit	Reported Value	Violation Date
May 2009	Chlorine, Total Residual	1D Conc	0.038	.24	5/21/2009
August 2009	Chlorine, Total Residual	1D Conc	0.038	.22	8/4/2009

* Violations reported are during the period from May 2009 through August 2009.

Items Requiring a Response:

1. During the inspection, the generator was not operating properly. This is a critical component of your WWTP that needs immediate attention. Is the integrity of the fuel tank intact or has it been compromised? If so, what is the time line for repairing or replacing the tank and fuel? Has the generator been repaired? What is the date that the generator was or will be repaired? What caused the generator to shut down after a running for a short time?

In addition, New Carlisle must implement a program to start the generator on a routine basis to ensure that it is capable of starting and running the treatment units at full load during power outages. What is the manufacturer's recommendation on routine start-up (e.g., once a week, once a month, etc.) for starting and running the generator at full load?

2. No later than November 12, 2009, New Carlisle must submit the noncompliance notification forms for final effluent violations that occurred in May 2009 and August 2009. Noncompliance notification forms may be obtained from the following link: <http://www.epa.ohio.gov/dsw/permits/permits.aspx#noncompliance>.
3. No later than November 13, 2009, New Carlisle must submit the Annual Report for all SSOs that occurred in 2008. New Carlisle's DMRs reported SSOs on August 8, 2008, October 25, 2008 and December 26, 2008. Sanitary Sewer Overflow reports may be obtained from the following link: http://www.epa.ohio.gov/dsw/permits/technical_assistance.aspx#SSO.
4. During the inspection, Ms. Leibfritz was informed that an employee fell in the biotower's wet well. New Carlisle is responsible for protecting maintenance workers from hazards in accordance with OSHA regulations. In this case, New Carlisle must assess and determine the type of system (e.g., guardrail system, safety net system or personal fall arrest system) that is required to provide for proper fall protection. How will New Carlisle address fall protection at this location and other areas of the WWTP determined to hazards to employees?

Has New Carlisle evaluated the workplace to determine if any spaces are confined spaces that require a permit for entry? Has New Carlisle posted danger signs notifying employees of the danger as per 29 CFR 1910?

To obtain free assistance on safety issues, New Carlisle should contact the Public Employment Risk Reduction Program (PERRP) to request a "Safety Survey." Information on PERRP may be obtained at the following link: <http://www.ohiobwc.com/employer/programs/safety/SandHPERRP.asp>. The on-site consultant for Clark County is Kim Mitchem (740.335.8014) or as an alternative, New Carlisle might want to request this service on line at: <https://www.ohiobwc.com/employer/services/peservicerequest/nlbwc/RequestForServicePERRP.aspx>.

5. During the inspection, Ms. Leibfritz requested a maintenance list from the operator. The maintenance list, the CIP list and the inspection indicates that routine preventive maintenance is not being performed in a timely manner. In addition, the existing treatment technology requires a higher level of upkeep with regards to labor and repairs. There are other treatment technologies available (e.g., activated sludge) that are easier to maintain, that are more energy efficient, that are less labor intensive and more cost effective. Ohio EPA recommends that New Carlisle conduct an engineering study that evaluates the cost efficiency on the existing WWTP versus alternative treatment technologies.
6. What is the time line for repairing the aerators in the sludge digester? How long will the digester be out of service (e.g., 1 day, 1 week, 1 month, etc...)? Describe in detail how sludge withdrawal will occur and routed to the geotextile bag. Will the solids from the bag be disposed of at a sanitary landfill or how will New Carlisle comply with Chapter 3745-40 of OAC? Based on the size of bag, percent solids content and pumping rate, what is the estimated time frame before the bag becomes full?
7. During the inspection, the operator stated that a prohibition on frozen ground would hinder New Carlisle's land application program. According to Ohio Administrative Code 3745-40-04(K), "no person shall land apply bulk sewage sludge to land that is frozen or snow-covered, so that the bulk sewage sludge **enters** waters of the state..." The rule further states that there will be an isolation distance of 100 feet from waters of the state and that ground cover (i.e., crop residue) shall be at least 80% when the slope is less than or equal to 6% or 90% when the slope is greater than 6%. This rule became effective on October 1, 2007. How has New Carlisle complied with this rule and how will this rule effect New Carlisle's ability to dispose of sludge via land application when the ground is frozen? Does New Carlisle have enough sludge storage capacity at the WWTP, considering prohibition on land application to frozen ground, rainfall patterns and cropping practices?
8. The 1991 O&M manual requires 6 staff to operate and maintain the WWTP. Due to automation at the WWTP, this number has been reduced to 5. Ohio EPA does not object to the reduction of one staff position based on automation; however, there has only been 4 staff operating and maintaining the WWTP since September 2005. This issue was discussed at the last inspection; however, the maintenance list, the CIP list and the inspection indicates that routine preventive maintenance is not being performed in a timely manner. What action will new Carlisle implement to resolve this issue?

Items Not Requiring a Response:

The maintenance list, the CIP and the inspection indicates that repair/replace of equipment does not occur in a timely manner. The Operation & Maintenance Area was rated as unsatisfactory.

Ohio EPA has reevaluated the flow monitoring requirement at the outfall 001. According to Ten State Standards flow measurement may be monitored at the influent or effluent location. No further action is required.

The steel plate covering the bypass is still in place; however, the clamps holding it in place are gone. As discussed during the inspection, any bypass of treatment is a violation of Part III, Item 11 (Unauthorized Discharge). Any bypass that does occur must be reported and monitored in accordance with Part II, Item 12 (Noncompliance Notification) of your NPDES permit.

The City has purchased a computer and will be providing internet service to the wastewater treatment plant. The computer/internet service will be setup by the end of the month. This will allow the operators to complete and submit eDMRs and other Ohio EPA related reports and permit applications through Ohio EPA's eBusiness Center (<https://ebiz.epa.ohio.gov/login.jsp>).

The population of New Carlisle has decreased from 6,707 in the 1980's to 5,735 in 2000.

The plant is checked daily during holidays and weekends for 2 to 3 hours. Normal working hours are from 7:00 a.m. to 7:00 p.m.

There are two pumps in the influent pump stations. Both pumps are rated at 2.0 MGD and reported as operational. Pumps are designed as either lead or lag and are manually alternated. There is a visual alarm system with an autodialer.

New Carlisle is in the process of purchasing a new composite sampler. The effluent sampler will be moved to the influent location and the new sampler will be located at the final effluent. Until the new sampler is received and installed, three grab samples are collected in a single container for outfall 601 to comply with the monitoring requirement for composite samples.

The grit pumps are alternated manually (every other day).

Screens are operated every 15 minutes (3/4" bar screen).

Grit and screenings are placed in a dumpster with ultimate disposal at landfill. New Carlisle currently used Allied Waste Services.

All floor drains are diverted to the head of the plant.

The comminutor was operating. There is a bar rack adjacent to the comminutor if it becomes necessary to bypass the comminutor.

The mechanical bar screen is rated at 4 MGD. Maintenance of this unit is hindered by the restricted access.

Gassing was observed in the primary clarifiers.

The biotowers has media that is 21 feet in depth and 35 foot in diameter. When the wind increases and the temperature drops below 0 °F, the surface of the media freezes. There are three submersible pumps in the biotowers lift station. All pumps are operable. The biotowers were built in 1991

The City is investigating the use of laúnder covers for the intermediate clarifier to control stringy algae. The automatic sludge valve was removed and used to fix another piece of equipment. Sludge is manually withdrawn.

The effluent from the RBCs was clear. There is approximately 100,000 sq. ft of media on one train and approximately 150,000 sq. ft on the other train.

One of the secondary clarifiers is out of service. The new skimmer needs to be installed. The skimmer on the other secondary clarifier is starting to go bad.

The rapid sand filters are inoperable. The electronic parts are out of date and cannot be replaced.

Disinfection was occurring on the final effluent. Chlorine gas is used to disinfect and sulfur dioxide is used to dechlorinate.

The final effluent was clear and odor free. The receiving stream, Honey Creek, was similar both upstream and downstream of the outfall 1PD00018001.

7004 2890 0000 1024 8298

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- For an additional fee, a *Return Receipt* may be requested to provide proof of delivery. To obtain Return Receipt service, please complete and attach a Return Receipt (PS Form 3811) to the article and add applicable postage to cover the fee. Endorse mailpiece "Return Receipt Requested". To receive a fee waiver for a duplicate return receipt, a USPS® postmark on your Certified Mail receipt is required.
- For an additional fee, delivery may be restricted to the addressee or addressee's authorized agent. Advise the clerk or mark the mailpiece with the endorsement "*Restricted Delivery*".
- If a postmark on the Certified Mail receipt is desired, please present the article at the post office for postmarking. If a postmark on the Certified Mail receipt is not needed, detach and affix label with postage and mail.

IMPORTANT: Save this receipt and present it when making an inquiry. Internet access to delivery information is not available on mail addressed to APOs and FPOs.

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:



KIM JONES
CITY OF NEW CARLISLE
P O BOX 419
NEW CARLISLE OH 45344

2. Article Number

(Transfer from service label)

7004 2890 0000 1024 8298

COMPLETE THIS SECTION ON DELIVERY

A. Signature

x *Kiehi Taylor* Agent Addressee

B. Received by (Printed Name)

VICKI TAYLOR

C. Date of Delivery

10/27/09

D. Is delivery address different from Item 1? YesIf YES, enter delivery address below: No

3. Service Type

 Certified Mail Express Mail Registered Return Receipt for Merchandise Insured Mail C.O.D.

4. Restricted Delivery? (Extra Fee)

 Yes

UNITED STATES POSTAL SERVICE



First-Class Mail
Postage & Fees Paid
USPS
Permit No. G-10

• Sender: Please print your name, address, and ZIP+4 in this box •



MARTYN BURT
OHIO EPA
401 E FIFTH ST
DAYTON OH 45402