

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Water, Region 7

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www.dec.ny.gov

November 30, 2017

Hon. Carolyn Price, Supervisor
Town of Windsor
124 Main Street
Windsor, NY 13865

Re: West Windsor Sewer District

Dear Supervisor Price:

On November 17, 2017, Department staff inspected the West Windsor Sewer District Sewage Treatment Plant. The plant appeared to be operating well. During the inspection, we noted the following items.

- The operator noted that the equalization tank had been taken down over the summer for cleaning, inspection and repairs. The Department concurs that this is a good preventive maintenance step to take. If possible, the SBRs should be taken down next summer on an individual basis for cleaning, inspection, and any necessary repairs.
- The operator stated that the rollers in one of the drum filters was recently replaced.
- The plant reported an effluent phosphorus violation in August. Otherwise, the submitted reports indicate that the plant has been in compliance with the SPDES permit limits.
- The operator noted that he is using a portable solids meter instead of the meter mounted in the SBR tanks for process control purposes. The meter in the tanks has not been recording solids concentrations correctly.
- The treatment plant effluent appeared clear.

The Department's inspection report form is attached. Please contact this office should there be any questions.

Sincerely,



Sandra Lizlovs, PE
Professional Engineer I

cc: D. Sherwood



Department of
Environmental
Conservation



MUNICIPAL/PCI WASTEWATER FACILITY INSPECTION REPORT

Inspection Type: Comprehensive

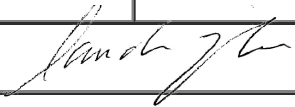
SPDES Number: NY0262676
 County: BROOME DEC Region:7
 Fac. Insp. Rep.: Don Sherwood

Facility Name: WEST WINDSOR WASTEWATER TREATMENT PLANT
 Date: 11/17/2017 Time: 10:00 AM

Inspector: LIZLOVS, SANDRA M
 Facility Contact:
 Summary Rating: SATISFACTORY

DEC ID: 7 0350 00089
 Joint w/EPA: Sample Taken:
 Inspection Purpose: annual inspection
 Weather Conditions: sunny, cold, windy
 Completed Inspection: Add. Info. Attchd:

Items	Rating	Comments (Note units out of operation / outstanding operation, etc.)
GENERAL		
Buildings/Grounds/Housekeeping	SATISFACTORY	
Flow Metering	SATISFACTORY	ultrasonic meter on inf parshall calibrated 8/16/2017
Stand-by Power	SATISFACTORY	Back up generated present.
Alarm Systems	SATISFACTORY	plant connected to SCADA system.
Odors/Odor Control	SATISFACTORY	None noted
Influent Impact On Operations	SATISFACTORY	
Preventative Maintenance	SATISFACTORY	Equipment is maintained. Cleaned EQ tank recently.
Other :		
PRELIMINARY/PRIMARY		
Influent Pumps	SATISFACTORY	
Bar Screen/Comminutor	SATISFACTORY	Manual screen present. Screen has been raked.
Disposal Of Grit/Screenings	SATISFACTORY	County Landfill
Grit Removal	SATISFACTORY	Manually cleaned channel present.
Settling Tanks	NOT APPLICABLE	
Scum/Sludge Removal	NOT APPLICABLE	
Effluent	NOT APPLICABLE	
Other : Equalization	SATISFACTORY	Tank cleaned recently. Removed a lot of grit. Air ok.
SECONDARY/TERTIARY		
1. Sequential Batch Reactor	SATISFACTORY	Some scum on tank, effluent clear, good aeration
2. Phosphorus Removal	SATISFACTORY	Using alum, had violation in Aug, otherwise working well.
3. Other-Specify	SATISFACTORY	Drum filter rollers replaced.
4. Post Aeration	SATISFACTORY	Good aeration pattern. Plant meeting limits.
5.		
6.		
7.		
8.		
EFFLUENT		
Disinfection	SATISFACTORY	One UV bank on.
Effluent Condition	SATISFACTORY	Clear. No solids or scum seen. Plant has been meeting limits
Part 1 (Continued)		
Items	Rating	Comments (Note units out of operation /

		outstanding operation, etc.)
Receiving Water Condition	NOT INSPECTED	
Other :		
SLUDGE HANDLING/DISPOSAL		
Digesters	SATISFACTORY	one tank full, one empty. Air ok.
Sludge Pumps	SATISFACTORY	Airlifts appear to work well. Pump to reed beds not on.
Sludge Dewatering	SATISFACTORY	Reed beds - have not yet been emptied.
Sludge Handling/Disposal	NOT RATED	Have not had to dispose of sludge yet.
Other :		
Signature of Inspector:		Date: November 30, 2017

MUNICIPAL/PCI WASTEWATER FACILITY INSPECTION REPORT

Inspection Type: Comprehensive

SPDES Number: NY0262676 Facility Name: WEST WINDSOR WASTEWATER TREATMENT PLANT
Inspection Date: 11/17/2017 DEC ID: 7 0350 00089

A. Collection System	
(1) 100 % Separate 0 % Combined	
(2) Did sewer overflows occur upstream of the plant in the past year?	<input type="radio"/> Yes <input checked="" type="radio"/> No <input type="radio"/> N/A
(3) Reason for overflow(s):	
(4) Was overflow sewage chlorinated?	<input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> N/A
(5) Were there any unpermitted overflows/bypasses?	<input type="radio"/> Yes <input checked="" type="radio"/> No <input type="radio"/> N/A
(6) Were appropriate agencies notified promptly, when required, of each overflow?	<input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> N/A
(7) Is the capability for bypass designed into the plant?	<input type="radio"/> Yes <input checked="" type="radio"/> No <input type="radio"/> N/A
If so, list units which can be bypassed.	
Describe standard operating procedures.	
(8) Does sewage by-pass the plant?	<input type="radio"/> Yes <input checked="" type="radio"/> No
Define conditions under which bypass occurs (e.g., what flow):	
Bypass frequency(times per year)	
Average duration of by-pass (hours)	

(9) Infiltration/Inflow problems, e.g., is sewerage ordinance enforced with respect to illegal stormwater connections? Explain as needed (include reference to corrective action, or lack thereof).	<input checked="" type="radio"/> Yes <input type="radio"/> No <input type="radio"/> N/A
Town has proactively removed inflow sources.	
(10) Is there a BMP/Wet Weather Operations Plan?	<input type="radio"/> Yes <input type="radio"/> No <input checked="" type="radio"/> N/A
(11) Number of pump stations in system 5	
Number inspected this inspection 0	
Comments (consider access, ventilation, lighting, emergency power, safety, etc.):	

B. Industrial Waste

(1) Are industrial waste loadings causing problems at this facility? Yes No N/A
 Explain as needed (describe nature of problem and extent and adequacy of measures to address the problem):

(2) Is there a sewer use ordinance? Yes No N/A

Date: Based on Model:

Is it being enforced to control industrial waste? Yes No N/A

(3) Does this facility accept septage? Yes No N/A

How much?

How is it introduced?

C. Laboratory Information

(1) Is the permittee using an ELAP certified laboratory? Yes No N/A

Details:

(2) Is a commercial laboratory used? Yes No N/A

Lab Name: **Microbac**

Lab Address:

(3) Pertaining to SPDES Self-Monitoring:

- (a) Does the permittee have a written sampling plan? Yes No N/A
- (a,2) If yes, are they following their plan? Yes No N/A
- (b) Is testing done for all parameters at the required frequency and punctually reported? Yes No N/A
- (c) Do sampling techniques meet requirements and intent of the permit? Yes No N/A
- (d) Are EPA-approved procedures used? Yes No N/A
- (e) Is calibration and maintenance of instrumentation and equipment satisfactory? Yes No N/A
- (f) Is quality control used? (Spiked/duplicate samples) Yes No N/A
- (g) Should sampling frequencies/types be modified? Yes No N/A

If yes, please explain:

- (h) Are lab records satisfactory? Yes No N/A
- (i) Is a minimum of 3 years data kept? Yes No N/A
- (4) Pertaining to Process Control:
 - (a) Is testing performed for all necessary parameters? Yes No N/A
 - (b) Is testing performed at necessary frequencies? Yes No N/A
 - (c) Are the procedures technically sound? Yes No N/A
 - (d) Is sampling adequate? Yes No N/A

Activated Sludge Facility:

(e) Does the facility operator test for the following:

- MLSS? Yes No N/A
- Dissolved Oxygen? Yes No N/A
- Settleability? Yes No N/A
- Microscopic Analysis of Sludge? Yes No N/A
- Final Clarifier Sludge Blanket Depth? Yes No N/A
- Process Control "Target Values"? Yes No N/A

(f) Does the facility operator calculate the following process control parameters:

MCRT?

Yes No

N/A

Sludge Age?

Yes No

N/A

(g) Is the testing applied towards process control adjustments?

Yes No

N/A

(h) What approach (if any) is used to determine changes in:
Sludge Age?

Waste Sludge Flow? **constant MLSS**

5. Was laboratory information used to prepare the DMR and Monthly Operating Report properly?

Yes No

N/A

6. Explanation as needed for any of the above:

MLSS 1700 and 2200 mg/l. Targeting 2500 for winter operation. Using portable TSS meter as SCADA system meter is broken. 30 min sett 380. Sludge blanket during settle phase is 6 feet.

D. Personnel Information

1. Is staffing and training adequate? (Consider all aspects, including management/supervision, operations, laboratory, maintenance, safety, availability of training, development of staff, etc.)

Yes No N/A

2. Certified Operators:

Chief Operator:

Name: **Don Sherwood**

Certificate Number: **13101**

Grade: **3A**

Renewal Date: **02/01/2021**

Assistant Operator

Name:

Certificate Number:

Grade:

Renewal Date:

3. Is operational staff certified at the appropriate level(s)?

Yes No N/A

Explain if needed:

4. Do facility operators have renewal certification and/or training records? Yes No N/A

5. Plant Classification:

6. Plant Score:

7. Explain as needed for any of the above:

E. Additional Information

1. Is treatment facility properly operated and maintained? Yes No N/A

Details:

2. Check Adequate/Inadequate as appropriate:

- (a) Preventative maintenance schedules exist and are followed? Adequate Inadequate N/A
- (b) Records are kept of maintenance, repairs and replacement? Adequate Inadequate N/A
- (c) Spare parts inventory is maintained? Adequate Inadequate N/A
- (d) O&M Manual exists and is available? Adequate Inadequate N/A
- (e) O&M Manual kept up-to-date? Adequate Inadequate N/A
- (f) As-built plans and specifications exist and are available? Adequate Inadequate N/A
- (g) Manufacturers' O&M specifications exist and are available? Adequate Inadequate N/A
- (h) Other records kept as needed (e.g., flow recorder charts)? Adequate Inadequate N/A
- (i) Alarm system for power or equipment failures is properly maintained and tested? Adequate Inadequate N/A
- (j) Standby power system exists and is routinely tested? Adequate Inadequate N/A

3. Current copy of Part I and Part II of SPDES Permit on premises? Yes No N/A

4. Has facility been subject of complaints (odors, other)? Yes No N/A

If yes, describe:

5. Is sludge disposal satisfactory and are required permits in force? Yes No N/A

(a) Name and location of sludge disposal site.
And/or name and permit number of scavenger:

(b) Is there an alternate sludge disposal site or contingency plan? Yes No N/A

If yes, please describe:

Sludge solids are in reed beds. Beds have not been cleaned out yet.

6. Does facility have effective administrative structure and adequate financial systems (e.g., Repair Reserve Fund, Uniform Accounting System)? Yes No N/A

7. Is progress on compliance schedule(s) (e.g., Upgrading, CSO, Pretreatment) satisfactory? Yes No N/A

8. Explanation as needed for any of the above:

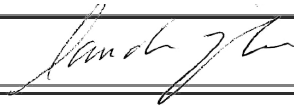
Inspector Comments

Plant appears to be operating well. Note that there was a phosphorus violation in August. Otherwise, plant appears to be in compliance.

Sampling Inspection Procedures and Observations

- Additional information attached? Yes No
- Sampling was for:
Conventional Toxic Other
- Grab samples obtained? Yes No
- Composite obtained? Yes No
- Flow proportioned sample? Yes No
- Automatic sampler used? Yes No
- Sample split with permittee? Yes No
- Chain of custody employed? Yes No
- Sample obtained from facility sampling device? Yes No
- Compositing Frequency:
Preservation:
Sample refrigerated during compositing? Yes No
- Sample representative of volume and nature of discharge? Yes No

Signature of Inspector:



Date:
Nov. 30, 2017