

**New York City Department of Environmental Protection
Bureau of Water Supply**

**Wastewater Treatment Plant Compliance Inspection Reports
Summary – 3rd and 4th quarter 2015**

February 2016

*Prepared in accordance with Section 6.2 of the NYSDOH
Revised 2007 Filtration Avoidance Determination*



Prepared by: DEP, Bureau of Water Supply
Division of Watershed Protection Programs
Andrew E. Stor, Program Manager
Dennis Covello
Paul Frey
Paul LaFiandra

George Reitwiesner
Yuliy Shugol, P.E.

NYCDEP WWTP Inspection Program
EPA FAD Deliverable 6.2
February 2016

This page intentionally left blank.

NYCDEP WWTP Inspection Program
EPA FAD Deliverable 6.2
February 2016

TABLE OF CONTENTS

I. Introduction

Inspection Program Goals
Inspection Program Structure
Compliance Inspection Report Content

II. Wastewater Treatment Facility Compliance Inspection Reports

West-of-Hudson

Andes (T)
Ashland (T)
Boiceville (V)
Chichester (NYCDEP) SSTS
Delhi (T)
Denver Sewer Corp. (Roxbury Run Village)
Elka Park
Fleischmanns (V)
Friesland Campina - DOMO Non-Contact Cooling Water
Grahamsville (NYCDEP)
Grand Gorge (NYCDEP)
Hanah Country Inn
Hobart (V)
Hunter (V)
Kraft Dairy Non-Contact Cooling Water
L'man Achai, Camp
Machne Tashbar, Camp
Margaretville (NYCDEP)
Mountain View Estates
Mountainside Farms
Oh-Neh-Tah, Camp
Olive Woods (Woodstock Percussion)
Oorah Catskill Retreat
Pine Hill (NYCDEP)
Prattsville (T)
Richardson Hill Road Landfill
Robert W. Harold Campus (BOCES)
Roxbury Lift Station
Saputo Foods Non-Contact Cooling Water
Stamford (V)
Tannersville (NYCDEP)
Timberlake, Camp
Trailside at Hunter (Hunter Highlands)
Walton (V)
Windham (T)

East-of-Hudson

Carmel Sewer District #2
Clear Pool Camp
Hill Sparrow (The Fairways at Hill & Dale)
Lewisboro Elementary School
Mahopac (NYCDEP)
Meadows at Cross River Condominiums
Michelle Estates
North Castle and Harrison Pump Stations
Waccabuc Country Club
West Lake Sewer Extension

NYCDEP WWTP Inspection Program
EPA FAD Deliverable 6.2
February 2016

Introduction

The New York City (NYC) Watershed supplies drinking water to nearly 8,000,000 NYC residents and an additional 1,000,000 residents of upstate communities. The watershed area consists of approximately 2,000 square miles of lands in upstate New York and includes a system of natural and man-made tributaries, which directs the source waters, via subsurface aqueducts, to a series of reservoirs and controlled lakes. Drinking water quality is dependent on maintaining the quality of the source waters that supply the reservoirs within the watershed. Therefore, the source waters must be protected from wastewater treatment plants (WWTP) that are located and discharge within the watershed.

To maintain and provide a safe drinking water supply, the New York City Department of Environmental Protection (DEP) has taken a leadership role in improving and encouraging other communities within the watershed to improve their respective wastewater treatment facilities. Preventing the degradation and contamination of the source waters and reservoirs must include continuous monitoring and a periodic comprehensive review of the WWTP's located within the watershed. The WWTP's vary greatly in size and treatment methods and provide service to municipalities, institutions, commercial businesses, seasonal camps, and private residences. To ensure that these plants are being operated and maintained in accordance with the limits and conditions established in their State Pollutant Discharge Elimination System (SPDES) permits, DEP has instituted a program of inspecting all wastewater facilities within the watershed on a quarterly basis. In addition, DEP incorporates a sampling program of regular monitoring of the effluent parameters of all treatment plants in the watershed. A comparative analysis of DEP monitoring data along with the facility self-monitored effluent readings presented within the Discharge Monitoring Reports (DMR) establishes patterns of compliance. DEP uses these sampling results to assist plant operators or to initiate enforcement activities as necessary.

Inspection Program Goals

A number of goals are targeted for the Wastewater Treatment Facility Inspection Program. A primary goal of the program is to identify operational and maintenance (O&M) improvements which will enhance the facility's ability to meet and/or exceed existing SPDES requirements. DEP personnel will share their technical expertise with plant management and operators to offer easy-to-implement operational changes, which may result in significant improvements to the plant's operation. Capital upgrades may also be recommended to ensure long-term compliance with SPDES permit requirements or greater ease and reduced cost of operations.

Following an inspection and review of DEP sampling and the facility's self-monitoring data, if the problems are not evident or easily resolved; the DEP may require that non-compliance be addressed by the permittee through an independent evaluation of the facility. If a facility is not willing to address non-compliance to the conditions of its SPDES permits or if an adequate response is not given, the case will be referred to DEP's legal counsel for follow-up enforcement action.

DEP has taken enforcement actions against a number of wastewater treatment facilities in the watershed for specific violations of their SPDES permits. Under Clean Water Actions filed by the City of New York, wastewater plant owners are often required by DEP legal counsel to enter into orders of consent by which they agree to remediate their facility and return to compliance with the SPDES permit. Regular inspections by DEP personnel ensure that the repairs and/or corrections are being completed in accordance with the consent order.

Regular inspections allow DEP to follow-up on instances of non-compliance, mistakes or problems with self-monitoring reporting or record keeping, or modifications or expansions to the facility. Inspections also allow DEP engineers to maintain a good working relationship with the treatment plant operators in the watershed.

NYCDEP WWTP Inspection Program
EPA FAD Deliverable 6.2
February 2016

Inspection Program Structure

DEP has a staff of professional engineers and technicians experienced in wastewater treatment facility design and operations. The staff conducts scheduled inspections for all year-round operating wastewater facilities every quarter (four times per year), and inspections in two out of four quarters for seasonal operating facilities, groundwater remediation sites, or industrial permits. To provide for continuity, each staff member is assigned specific facilities for their responsibility. Those staff members have familiarized themselves with their assigned facilities by developing process flow schematics and reviewing as-built drawings and operation and maintenance manuals, where possible. The DMR and DEP sampling data is updated and assessed regularly by the staff person. This data is evaluated to determine if the facility is in compliance with the permitted effluent limits.

Following the inspections, the reports are sent to the facility owner and operator, the New York State Department of Environmental Conservation (NYSDEC), and the New York State Department of Health (NYSDOH), or County/local Health Department, where appropriate. Copies are also provided to the U.S. Environmental Protection Agency (USEPA). The staff person will be available for follow-up discussions, as necessary. The report is intended to initiate a two-way discussion between the owner/operator and DEP.

Unless required in milestones for a consent order or under an enforcement action related to permit exceedances, the facility owner with the help of the plant operator is responsible for scheduling capital upgrades or O&M changes as needed to allow the plant to continue to operate efficiently. DEP may become involved in these discussions when necessary. Since most facilities are inspected four times per year, DEP staff has a greater opportunity to discuss compliance issues with the operator and owner. If necessary, DEP will take enforcement action to ensure timely compliance. For example, if DEP finds that a facility owner is not responsive to suggestions to correct a violation or is dissatisfied with the speed or effort of a remediation, a 60-Day Notice of Intent to Sue under the Federal Clean Water Act filed by the New York City Law Department is an option the DEP has gone to in order to legally force compliance.

Compliance Inspection Report Content

This report meets the requirements of Filtration Avoidance Determination for the third and fourth quarter of 2015. Included in the Deliverable are the Compliance Inspection summaries for each facility in the Catskill/Delaware and Croton Watershed that was inspected. Each Compliance Inspection summary contains the following: 1) Facility name and SPDES Permit Number, 2) General Comments, 3) Inspection dates and findings, 4) SPDES permit exceedances/violations, 5) Enforcement actions by DEP, and 6) Miscellaneous items.

There are also industrial facilities or groundwater remediation systems that are either no longer discharging to surface waters, or are groundwater remediation sites, which are closed in accordance with the NYSDEC. These sites continue to be monitored via the national Permit Compliance System (PCS System). These facilities have surface water discharge permits; however they are not inspected routinely nor reported on because of the lack of activity. In the event that any discharge is reported, or observed during DEP informal site visits, regular inspections will be initiated at such facilities.

NYCDEP WWTP Inspection Program
EPA FAD Deliverable 6.2
February 2016

Facility: Andes (T)

Basin	SPDES	Inspected	Seasonal WWTP	Report Sent to Owner
Pepacton	NY0262854	Yes	No	Yes

Comments

None.

Inspections

On August 24, 2015, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

On December 16, 2015, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

SPDES Permit Exceedance(s)

None.

Enforcements

None.

Miscellaneous

None.

NYCDEP WWTP Inspection Program
EPA FAD Deliverable 6.2
February 2016

Facility: Ashland (T)

Basin	SPDES	Inspected	Seasonal WWTP	Report Sent to Owner
Schoharie	NY0263214	Yes	No	Yes

Comments

None.

Inspections

On July 21, 2015, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

On October 15, 2015, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

SPDES Permit Exceedance(s)

None.

Enforcements

None.

Miscellaneous

None.

NYCDEP WWTP Inspection Program
EPA FAD Deliverable 6.2
February 2016

Facility: Boiceville (V) WWTP

Basin	SPDES	Inspected	Seasonal WWTP	Report Sent to Owner
Ashokan	NY0274038	Yes	No	Yes

Comments

The facility employs a sequential batch reactor (SBR), a dual-tank, flow through process that integrates sedimentation, aeration, decant and sludge thickening all within one process. The facility experienced difficulty during the settling stage of the process; solids loss led to violations of the SPDES permit limitations for ammonia. The facility hired a new chief operator; he has been more proactive with process control. The facility has eliminated all alkalinity chemical additions (not needed), reduced the PAC addition to one quarter of the original amount with no noticeable Phosphorous increase; excess dosing of PAC can actually reduce settling in the SBR, and have increased the MLSS to get the SVI below 150 ml/gram for improved settling. Seed sludge has been introduced along with supplemental nitrification bacteria. The plant self-monitoring data and DEP laboratory data indicates full compliance with all SPDES parameters since the last recorded ammonia violation in April 2015.

Inspections

On August 12, 2015, staff performed a Quarterly Inspection. Items rated less than (S) satisfactory are indicated below:

Item: 'A7. Influent Impact on Operations' received a rating of Marginal with comments: 'The Town should reach out to the home owners and businesses that may be using sump pumps during snow melts and heavy rain events. The operators need to investigate possible I & I sources by inspecting the collection system during rain events and at night time when flows are supposed to be at a minimum. I have reached out to Oteora School to provide pump out invoices for the grease traps for both of the kitchens. They usually have them done in the summer months.'

Item: 'D1. SBR's' received a rating of Marginal with comments: 'Both SBR's are in service. There is still a foam issue and the operators have been adding chlorine to reduce the foam. It has been determined that it is not caused by Nocardia but most likely from FOG (fat, oil and grease). The Town should enforce grease trap pump outs at the commercial buildings. The SBR units are settling better since the operators have increased the MLSS. They have also reduced the amount of PAC being added to one quarter of the original amount. They relocated the injection point to the SBR influent pipe for better mixing.'

Item: 'D3. Sand Filters' received a rating of Marginal with comments: 'The operators have noticed that the units were not working well and with further investigation determined that the air supply lines have been compromised. The sand filters are not getting enough air flow to provide proper continuous backwash as required and that may cause fouling and ultimately blinding of the units periodically. The tubing that supplies the air is crimped at the top of the air lifts. This can happen when replacing the deflector shield after removal. It may have been damaged when the units were reassembled after being repaired from the damages caused by hurricane Irene. The air supply tubing used to release the air lift assembly was never connected to the compressor. The operators manually supplied air to them but they did not release. One unit had bubbling below the water level showing a leak in the line. The manufacturer representative stated that if they do not release you may have to remove the sand prior to removing the air lifts. This requires a vactor truck. After the repairs are made, the sand needs to be replaced. The air supply tubing should be protected with an outer sleeve and the method of releasing and removing the air lift is troublesome. The operators have reached out to a few contractors to get some estimates for the repairs.'

Item: 'F4. Plate & Frame Press' received a rating of Marginal with comments: 'Andritz should determine what is wrong with the plate and frame press. Andritz, Evergreen and Lamont were all paid for the repairs from the final FEMA payment. They should be willing to come on site.'

On November 16, 2015, staff performed a Quarterly Inspection. Items rated less than (S) satisfactory are indicated below:

Item: 'D3. Sand Filters' received a rating of Marginal with comments: 'One of the sand filters works well however the other two should have the air supply tubing replaced. The air lifts are jammed and they cannot be removed to get to the tubing. With the lifts being jammed, the sand needs to be removed to do the repairs. The facility is waiting for estimates to make the repairs.'

SPDES Permit Exceedance(s)

None.

Enforcements

None.

NYCDEP WWTP Inspection Program
EPA FAD Deliverable 6.2
February 2016

Facility: Boiceville (V) WWTP (continued)

Miscellaneous

On October 15, 2015, staff received a communication from the new chief operator at the WWTP regarding operational adjustments to the treatment system and I&I investigation. The facility had two major rain events since they reduced the PAC addition. On 09/13/2015, over 5.5 inches of rain fell and the plant recorded a 24-hour influent flow of 106,000 gal. There were no settling or sludge blanket issues and no solids carryover to the sand filters; the plant ran flawlessly. On 09/30/2015, over 5 inches of rain fell. The operators were confident the plant could handle excess flow and conducted an I&I investigation. They began pulling sewer main manholes to identify problem areas. The first area identified with excessive flow was at the bottom of DeSilva road behind the Coldwell banker building, a separate cleanout pipe was gushing in groundwater. They were able to seat the pipe into the connection and completely stop the infiltration. They checked in at the plant and found that the influent pump station had gone back to a somewhat normal pump run cycle. The operator returned to their investigation, focusing on upper Boiceville road and further narrowed it down to a section of sewer main on Deerfield road. The inspection was inconclusive; they are currently waiting on another rain event to look at this area further. The operator believes they have a good idea where the rest of this I&I is coming from. They are currently looking into getting a contractor to provide estimates to repair several manhole frames that may need seating.

NYCDEP WWTP Inspection Program
EPA FAD Deliverable 6.2
February 2016

Facility: Chichester (NYCDEP) SSTS

Basin	SPDES	Inspected	Seasonal WWTP	Report Sent to Owner
Ashokan	NY0233943	Yes	No	Yes

Comments

None.

Inspections

On August 10, 2015, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

On October 9, 2015, staff performed a Quarterly Inspection. Items rated less than (S) satisfactory are indicated below:

Item: 'A1. Bldg. /grounds/housekeeping' received a rating of Marginal with comments: 'Building and grounds well maintained. Emergency facility contact information sign not posted next to door, should be put back up so emergency contact information is readily available.'

SPDES Permit Exceedance(s)

None.

Enforcements

This is a DEP owned facility. The WWTP Compliance and Inspection group does not have any regulatory authority over this facility.

Miscellaneous

None.

NYCDEP WWTP Inspection Program
EPA FAD Deliverable 6.2
February 2016

Facility: Delhi (T)

Basin	SPDES	Inspected	Seasonal WWTP	Report Sent to Owner
Cannonsville	NY0020265	Yes	No	Yes

Comments

None.

Inspections

On August 24, 2015, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

On November 20, 2015, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

SPDES Permit Exceedance(s)

On November 1, 2015, a DMR monitoring result indicated a violation of TURBIDITY with a sample result of 10.01 NTU, exceeding the SPDES limit of 5.0 NTU.

On December 1, 2015, a DMR monitoring result indicated a violation of TURBIDITY with a sample result of 7.45 NTU, exceeding the SPDES limit of 5.0 NTU.

A report of noncompliance event was filed with DEC/DEP for the November and December 2015 monitoring periods. High turbidity measurement recorded during meter service; neither reading is a valid violation. There did not appear to be any mechanical or process control abnormalities that could have led to these readings. All remaining wet chemistry and bacteriological values for the period demonstrate no upset within the treatment process.

Enforcements

None.

Miscellaneous

None.

NYCDEP WWTP Inspection Program
EPA FAD Deliverable 6.2
February 2016

Facility: Denver Sewer Corp. (Roxbury Run Village)

Basin	SPDES	Inspected	Seasonal WWTP	Report Sent to Owner
Pepacton	NY0099562	Yes	No	Yes

Comments

None.

Inspections

On September 2, 2015, staff performed a Quarterly Inspection. Items rated less than (S) satisfactory are indicated below:

Item: 'A9. Flow Metering' received a rating of Marginal with comments: 'An estimate has been received for a new flow meter and chart recorder for the influent building. This location is the least expensive and easiest location to install a new unit. The estimate was about six thousand dollars. The operators are waiting for approval from the Town to order the equipment. The operators have been entering the value for effluent flow on the DMR's which is listed as influent. In lieu of installing an influent flow meter, a request can be made to the NYSDEC to possibly modify the SPDES permit to show effluent flow. There should be a chart recorder installed to receive a signal from the MF units to continuously record the flow which is also required by the SPDES Permit unless the DEC considers that the computer tracking is equivalent.'

Item: 'B3. Comminutor' received a rating of Marginal with comments: 'Does not work well and is on stand-by.'

Item: 'D6. Micro Filtration' received a rating of Marginal with comments: 'The broken PVC connection on the backwash line for MF unit # 2 was repaired and that unit is being used. Now the # 1 unit has a broken manifold on that backwash line. They conducted a CIP on the # 2 unit after it went back into service which was 107:09 hours ago. There is 804:24 running hours on the # 1 unit since the last CIP. These high pressure units have been problematic especially during the violent backwash mode.'

Item: 'E1. Disinfection' received a rating of Marginal with comments: 'The chlorine pumps are on continuously due to a malfunction with the signal from the MF units that activate both the chlorine and de-chlor pumps. The chlorine concentration is tested with grab samples on a daily basis to satisfy the SPDES permit requirements.'

Item: 'E2. Dechlorination' received a rating of Marginal with comments: 'New tubing has been installed for the dechlorination system; however, the power supply needs to be repaired again. There is a problem with the GFCI receptacle and the signal from the MF units to activate both the chlorine and de-chlor pumps. The operators are using tablet dechlorination at the post air tank. This was the method used prior to the upgrade and addition of the liquid de-chlorination system. Unfortunately the chemical feed line is buried and has a tendency to clog at low temperatures even with the heat trace.'

On December 23, 2015, staff performed a Quarterly Inspection. Items rated less than (S) satisfactory are indicated below:

Item: 'A9. Flow Metering' received a rating of Marginal with comments: 'An estimate has been received for a new flow meter and chart recorder for the influent building. This location is the least expensive and easiest location to install a new unit. The estimate was about six thousand dollars. The operators are waiting for approval from the Town to order the equipment. The operators have been entering the value for effluent flow on the DMR's which is listed as influent. In lieu of installing an influent flow meter, a request can be made to the NYSDEC to possibly modify the SPDES permit to show effluent flow. There should be a chart recorder installed to receive a signal from the MF units to continuously record the flow which is also required by the SPDES Permit unless the DEC considers that the computer tracking is equivalent.'

Item: 'B3. Comminutor' received a rating of Marginal with comments: 'Does not work well and is on stand-by.'

Item: 'D6. Micro Filtration' received a rating of Marginal with comments: 'The # 1 unit had a broken manifold on the backwash line. It has been in shutdown mode since the last quarterly inspection on September 2, 2015. The operator made a new schedule 80 manifold yesterday for the unit. These high pressure units have manifolds that break on a regular basis especially during the violent backwash mode. Each manifold is different from unit to unit and cannot be purchased from the manufacturer. They need to be made on site by either the operator or manufacturer representative. The # 2 unit was in service; however, the TMP is running high with a value of 11.9 psi. The last clean in place (CIP) was 464 hours ago. These particular units have a problem with reaching the required CIP temperature due to undersized heater elements. This was a manufacturer defect and new elements were installed in the past with no improvement. It was discussed in the past to use the hot water supply to feed the CIP tank and possibly use an axillary immersion heater. The operators may want to call in a manufacturer representative to witness/conduct the next CIP.'

NYCDEP WWTP Inspection Program
EPA FAD Deliverable 6.2
February 2016

Facility: Denver Sewer Corp. (Roxbury Run Village) (continued)

SPDES Permit Exceedance(s)

On September 2, 2015, a DEP laboratory sample indicated an exceedance of CBOD5 with a sample result of 15.6 mg/l, exceeding the SPDES parameter limit of 5.0 mg/l. On September 10, 2015, staff delivered a Verbal Warning for the exceedance. The operator sampled the next day, results would be forwarded to DEP as early as possible. On September 18, 2015, staff received a call from the operator stating their results from the second CBOD sample showed a result of <2.0 mg/l.

On October 1, 2015, a DMR monitoring result indicated a violation of CBOD5 DAILY MAX with a sample result of 19.0 mg/l exceeding the SPDES limit of 5.0 mg/l.

On November 1, 2015, a DMR monitoring result indicated a violation of CBOD5 DAILY MAX with a sample result of 7.4 mg/l exceeding the SPDES limit of 5.0 mg/l.

A report of noncompliance event was filed with DEC/DEP for the October and November 2015 monitoring periods. The operator stated that there was no obvious cause for the violation; they increased the MLSS for improved carbonaceous removal. There did not appear to be any mechanical or process control abnormalities; all remaining wet chemistry and bacteriological values for the period demonstrate no upset within the treatment process.

Enforcements

None.

Miscellaneous

None.

NYCDEP WWTP Inspection Program
EPA FAD Deliverable 6.2
February 2016

Facility: Elka Park

Basin	SPDES	Inspected	Seasonal WWTP	Report Sent to Owner
Schoharie	NY0092991	Yes	No	Yes

Comments

None.

Inspections

On September 10, 2015, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

On October 8, 2015, staff performed a Quarterly Inspection. Items rated less than (S) satisfactory are indicated below:

Item: 'D4. Open Bed Sand Filters' received a rating of Marginal with comments: 'Both are alternated on a regular basis, tops raked annually. Serviced, covers off for service, need raking. New media added. A broken fitting was discovered in one filter bed. Break was being dug up for replacement at time of inspection.'

SPDES Permit Exceedance(s)

None.

Enforcements

None.

Miscellaneous

None.

NYCDEP WWTP Inspection Program
EPA FAD Deliverable 6.2
February 2016

Facility: Fleischmanns (V)

Basin	SPDES	Inspected	Seasonal WWTP	Report Sent to Owner
Pepacton	NY0261521	Yes	No	Yes

Comments

None.

Inspections

On July 13, 2015, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

On October 9, 2015, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

SPDES Permit Exceedance(s)

On October 1, 2015, a DMR monitoring result indicated a violation of PHOS 30 DAY AVG with a sample result of 0.88 mg/l, exceeding the SPDES limit of 0.5 mg/l. A Report of Noncompliance Event was filed with DEC/DEP. There was no direct cause of the violation. There did not appear to be any other mechanical or process control abnormalities that could have led to the elevated reading. All remaining wet chemistry and bacteriological values for the period were in compliance with SPDES parameters. DEP laboratory data indicates full compliance with all SPDES parameters.

Enforcements

None.

Miscellaneous

None.

NYCDEP WWTP Inspection Program
EPA FAD Deliverable 6.2
February 2016

Facility: Friesland Campina - DOMO (Cooling Water)

Basin	SPDES	Inspected	Seasonal WWTP	Report Sent to Owner
Cannonsville	NY0262838	Yes	No	Yes

Comments

None.

Inspections

On November 20, 2015, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

SPDES Permit Exceedance(s)

On August 1, 2015, a DMR monitoring result indicated a violation of TEMP with a sample result of 71 degrees, exceeding the SPDES limit of 70 degrees. A Report of Noncompliance Event was filed with DEC/DEP. The operator believes a sensor was fouled and the sensor location was in shallow water due to low flow. Sensor was cleaned, calibrated and relocated.

On September 1, 2015, a DMR monitoring result indicated a violation of TEMP with a sample result of 73 degrees, exceeding the SPDES limit of 70 degrees. A Report of Noncompliance Event was filed with DEC/DEP. The problem is high cooling water flow at the facility exceeds the ability of the cooling make up water wells to keep up and maintain a low effluent temperature. The plant staff is looking into redirecting cooling water flow at the plant and re-developing a second well to address this recurring issue.

On October 1, 2015, a DMR monitoring result indicated a violation of TEMP with a sample result of 71 degrees, exceeding the SPDES limit of 70 degrees. A Report of Noncompliance Event was filed with DEC/DEP. The operator is still having issues with getting proper volume of cold dilution water to effluent; plant engineering is working on solution.

On November 1, 2015, a DMR monitoring result indicated a violation of TEMP with a sample result of 75 degrees, exceeding the SPDES limit of 70 degrees. A Report of Noncompliance Event was filed with DEC/DEP. The operator is still having issues with getting proper volume of cold dilution water to effluent; plant engineering is working on solution.

On December 1, 2015, a DMR monitoring result indicated a violation of TEMP with a sample result of 80 degrees, exceeding the SPDES limit of 70 degrees. A Report of Noncompliance Event was filed with DEC/DEP. Chronic temperature issues have been evident since October 2015 due to well issues. New wells are being planned.

Enforcements

None.

Miscellaneous

This permitted discharge is for the cooling water only. It is not related to the industrial pre-treatment facility for their process water.

NYCDEP WWTP Inspection Program
EPA FAD Deliverable 6.2
February 2016

Facility: Grahamsville (NYCDEP)

Basin	SPDES	Inspected	Seasonal WWTP	Report Sent to Owner
Rondout	NY0026549	Yes	No	Yes

Comments

None.

Inspections

On September 15, 2015, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

On November 25, 2015, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

SPDES Permit Exceedance(s)

None.

Enforcements

This is a DEP owned facility. The WWTP Compliance and Inspection group does not have any regulatory authority over this facility.

Miscellaneous

None.

NYCDEP WWTP Inspection Program
EPA FAD Deliverable 6.2
February 2016

Facility: Grand Gorge (NYCDEP)

Basin	SPDES	Inspected	Seasonal WWTP	Report Sent to Owner
Schoharie	NY0026565	Yes	No	Yes

Comments

None.

Inspections

On July 14, 2015, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

On October 6, 2015, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

SPDES Permit Exceedance(s)

None.

Enforcements

This is a DEP owned facility. The WWTP Compliance and Inspection group does not have any regulatory authority over this facility.

Miscellaneous

None.

NYCDEP WWTP Inspection Program
EPA FAD Deliverable 6.2
February 2016

Facility: Hanah Country Inn

Basin	SPDES	Inspected	Seasonal WWTP	Report Sent to Owner
Pepacton	NY0249777	Yes	No	Yes

Comments

None.

Inspections

On September 2, 2015, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

On December 23, 2015, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

SPDES Permit Exceedance(s)

None.

Enforcements

None.

Miscellaneous

None.

NYCDEP WWTP Inspection Program
EPA FAD Deliverable 6.2
February 2016

Facility: Hobart (V)

Basin	SPDES	Inspected	Seasonal WWTP	Report Sent to Owner
Cannonsville	NY0029254	Yes	No	Yes

Comments

None.

Inspections

On July 15, 2015, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

On September 9, 2015, staff performed a Reconstruction Inspection of the facility. Recently installed lateral lines in the collection system were inspected and televised with installation contractor and plant operator.

On October 20, 2015, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

On Nov 16, 2015, staff performed a Reconstruction Inspection of collection system repairs for the facility. Trenching looked very good, lines properly pitched and bedded. Connections solid, clean backfill used.

SPDES Permit Exceedance(s)

None.

Enforcements

None.

Miscellaneous

None.

NYCDEP WWTP Inspection Program
EPA FAD Deliverable 6.2
February 2016

Facility: Hunter (V)

Basin	SPDES	Inspected	Seasonal WWTP	Report Sent to Owner
Schoharie	NY0241075	Yes	No	Yes

Comments

None.

Inspections

On July 29, 2015, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

On November 17, 2015, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

SPDES Permit Exceedance(s)

None.

Enforcements

On September 23, 2015, staff delivered a Verbal Warning for a DEP Exceedance occurring on 09/16/2015 for a BOD reading of 9.6 mg/l with a SPDES limit of 5.0 mg/l. The chief operator stated that they air lanced a CBUD unit and dosed with chlorine. They believe the BOD exceedance was caused by the dechlorination chemical prior to discharge.

Miscellaneous

None.

NYCDEP WWTP Inspection Program
EPA FAD Deliverable 6.2
February 2016

Facility: Kraft Dairy (Cooling Water)

Basin	SPDES	Inspected	Seasonal WWTP	Report Sent to Owner
Cannonsville	NY0008494	Yes	No	Yes

Comments

None.

Inspections

On November 30, 2015, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

SPDES Permit Exceedance(s)

None.

Enforcements

None.

Miscellaneous

This permitted discharge is for the cooling water only. It is not related to the industrial pre-treatment facility for their process water.

NYCDEP WWTP Inspection Program
EPA FAD Deliverable 6.2
February 2016

Facility: L'man Achai (Camp)

Basin	SPDES	Inspected	Seasonal WWTP	Report Sent to Owner
Pepacton	NY0104957	Yes	Yes	Yes

Comments

This facility is used on a seasonal basis for the summer months only.

Inspections

On August 17, 2015, staff performed a Quarterly Inspection. Items rated less than (S) satisfactory are indicated below:

Item: 'A2. Potable Water Supply Prot.' received a rating of Marginal with comments: 'Potable water supply to WWTP not functional, temporary hose from camp now supplying WWTP. '

On October 28, 2015, staff performed a Quarterly Inspection. Items rated less than (S) satisfactory are indicated below:

Item: 'A2. Potable Water Supply Prot.' received a rating of Marginal with comments: 'Potable water supply to WWTP not functional and should be repaired. The temporary hose from camp now that was supplying WWTP is still in place. Normal potable water should be supplied to the WWTP in a conventional manner.'

Item: 'A4. Stand-By Power' received a rating of Marginal with comments: 'Could not read running hours for generator since room where hour meter is located is locked. Generator serviced, new batteries installed and heaters on. 370 hours on genset recorded from previous inspection. Unit must be serviced annually.'

SPDES Permit Exceedance(s)

None.

Enforcements

None.

Miscellaneous

None.

NYCDEP WWTP Inspection Program
EPA FAD Deliverable 6.2
February 2016

Facility: Machne Tashbar (Camp)

Basin	SPDES	Inspected	Seasonal WWTP	Report Sent to Owner
Schoharie	NY0263061	Yes	Yes	Yes

Comments

None.

Inspections

On August 10, 2015, staff performed a Quarterly Inspection. Items rated less than (S) satisfactory are indicated below:

Item: 'E2. Re-aeration tank' received a rating of Marginal with comments: 'Tank was overflowing at time of inspection due to tripped pump. Overflow safely going back to EQ. Cause of pump trip out should be identified and repaired to prevent this malfunction from occurring in the future. Transducer was replaced that was causing excessive pump run times however temperatures of effluent still an issue.'

On September 9, 2015, staff performed a Reconnaissance Inspection of the facility. Facility shut down for summer, no overflows noted. No discharge from outfall.

On November 10, 2015, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

SPDES Permit Exceedance(s)

On July 1, 2015, a DMR monitoring result indicated a violation of TEMP with a sample result of 73 degrees, exceeding the SPDES limit of 70 degrees.

On August 1, 2015, a DMR monitoring result indicated a violation of TEMP with a sample result of 73 degrees, exceeding the SPDES limit of 70 degrees.

A report of noncompliance event was filed with DEC/DEP for the July and August 2015 monitoring periods. Higher effluent temperature is attributable to ambient air temperature within the building. There did not appear to be any mechanical or process control abnormalities that could have led to this reading.

Enforcements

None.

Miscellaneous

None.

NYCDEP WWTP Inspection Program
EPA FAD Deliverable 6.2
February 2016

Facility: Margaretville (NYCDEP)

Basin	SPDES	Inspected	Seasonal WWTP	Report Sent to Owner
Pepacton	NY0026531	Yes	No	Yes

Comments

It was brought to light on October 8, 2015 that the Margaretville WWTP was not inspected during the third quarter of 2015. It was scheduled on a personal calendar, the appointment was missed due to an issue at another facility and the calendar appointment was tracked as if the inspection was completed. This was simply a result of human error. The plant was inspected on October 8th; a second quarterly inspection was conducted at the end of the calendar year. The bi-annual FAD deliverable will recognize two facility inspections within the six month reporting period, but one inspection will fall eight days following the end of the third quarter.

The DEP database tracking system will create a notification on the 15th day of the final month of each quarter, reporting which of the active WWTP's haven't been inspected. This will ensure our staff sufficient time to schedule and complete their tasks.

Inspections

On October 8, 2015, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

On December 28, 2015, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

SPDES Permit Exceedance(s)

None.

Enforcements

This is a DEP owned facility. The WWTP Compliance and Inspection group does not have any regulatory authority over this facility.

Miscellaneous

None.

NYCDEP WWTP Inspection Program
EPA FAD Deliverable 6.2
February 2016

Facility: Mountain View Estates

Basin	SPDES	Inspected	Seasonal WWTP	Report Sent to Owner
Schoharie	NY0263052	Yes	No	Yes

Comments

None.

Inspections

On September 25, 2015, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

On November 19, 2015, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

SPDES Permit Exceedance(s)

On September 1, 2015, a DMR monitoring result indicated a violation of PHOS 30 DAY AVG with a sample result of 1.3 mg/l, exceeding the SPDES limit of 1.0 mg/l. A Report of Noncompliance Event was filed with DEC/DEP. The high phosphorus reading was attributable to high solids in MBR. High solids are necessary to maintain biology with low flow, but it's a hard balance to uphold. Operator wasted 1,000 gallons of mixed liquor and increased process testing. There did not appear to be any mechanical or process control abnormalities that could have led to this reading. All remaining wet chemistry and bacteriological values for the period demonstrate no upset within the biological process. Given the minimal difference and isolated nature of this reading, it does not qualify as an acute or chronic violation; no further analysis is necessary.

Enforcements

None.

Miscellaneous

None.

NYCDEP WWTP Inspection Program
EPA FAD Deliverable 6.2
February 2016

Facility: Mountainside Farms

Basin	SPDES	Inspected	Seasonal WWTP	Report Sent to Owner
Pepacton	NY0084590	Yes	No	Yes

Comments

None.

Inspections

On September 2, 2015, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

On November 12, 2015, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

SPDES Permit Exceedance(s)

On September 1, 2015, a DMR monitoring result indicated a violation of NITRATE DAILY MAX with a sample result of 25.8 mg/l, exceeding the SPDES limit of 20.0 mg/l. A Report of Noncompliance Event was filed with DEC/DEP. The NO3 spiked for a day then returned to normal. No additional action was taken.

On October 1, 2015, a DMR monitoring result indicated a violation of FLOW INFL DAILY MAX with a sample result of 0.117 MGD, exceeding the SPDES limit of 0.064 MGD. A Report of Noncompliance Event was filed with DEC/DEP. The cause was a failure of the check valve at the pump station allowing the force main to drain back to the pump station after each use. The reversed flow caused the meter to record this reading; it is not a valid violation.

On November 1, 2015, a DMR monitoring result indicated a violation of FLOW INFL DAILY MAX with a sample result of 0.076 mg/l exceeding the SPDES limit of 0.064 mg/l. A Report of Noncompliance Event was filed with DEC/DEP. The cause was a failure of the check valve at the pump station allowing the force main to drain back to the pump station after each use. The reversed flow caused the meter to record this reading; it is not a valid violation.

Enforcements

The facility is currently under a DEC consent order; a full plant modification is complete, as required by the order.

Miscellaneous

None.

NYCDEP WWTP Inspection Program
EPA FAD Deliverable 6.2
February 2016

Facility: Oh-Neh-Tah (Camp)

Basin	SPDES	Inspected	Seasonal WWTP	Report Sent to Owner
Schoharie	NY0205460	Yes	Yes	Yes

Comments

This facility is used on a seasonal basis for the summer months only.

The camp will not open during the summer season due to new owners and directors who want to renovate all cabins and bathrooms. A new collection system for the entire camp was added during the facility upgrade at the camps expense.

Inspections

On July 29, 2015, staff performed a Reconnaissance Inspection of the facility. The camp is not open for the season and the system is not being used. The operator is running the equipment in recirculation mode. All of the equipment seemed to be in good working order.

On November 19, 2015, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

SPDES Permit Exceedance(s)

None.

Enforcements

None.

Miscellaneous

None.

NYCDEP WWTP Inspection Program
EPA FAD Deliverable 6.2
February 2016

Facility: Olive Woods (Woodstock Percussion)

Basin	SPDES	Inspected	Seasonal WWTP	Report Sent to Owner
Ashokan	NY0098281	Yes	No	Yes

Comments

None.

Inspections

On September 17, 2015, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

On December 14, 2015, staff performed a Quarterly Inspection. Items rated less than (S) satisfactory are indicated below:

Item: 'A4. Stand-By Power' received a rating of Marginal with comments: 'The Generac brand back-up generator had some issues in the past with back-firing. The exhaust gas causes a small explosion in the exhaust manifold which melted and deformed the metal grate. The generator was inspected and tested by the equipment representative and the grate was replaced. The same thing happened and the new grate is now deformed. The representative stated that this particular model has issues and there is no known method of repair. The unit also does not auto-start every time but causes an alarm condition periodically. The operators feel that the unit is not very reliable in the present condition. They are going to get some estimates for replacing the unit.'

SPDES Permit Exceedance(s)

None.

Enforcements

None.

Miscellaneous

None.

NYCDEP WWTP Inspection Program
EPA FAD Deliverable 6.2
February 2016

Facility: Oorah Catskill Retreat

Basin	SPDES	Inspected	Seasonal WWTP	Report Sent to Owner
Schoharie	NY0069957	Yes	Yes	Yes

Comments

None.

Inspections

On June 9, 2015, staff performed a Quarterly Inspection. Items rated less than (S) satisfactory are indicated below:

Item: 'A1. Bldg. /grounds/housekeeping' received a rating of Unsatisfactory with comments: 'Two broken PVC conduit pipes were noticed outside the side door entrance to the facility. One carries a signal cable and the other carries a power supply. They need to be repaired, water is entering the conduit. There was a rusted chimney cover for the heating system on the ground. It fell off the chimney pipe that penetrates the wall of the building. The pipe is rusted back to the building wall which can possibly cause a fire or let exhaust gas leak back into the wall and building.'

Item: 'B1. Pump Station' received a rating of Unsatisfactory with comments: 'The interconnection from the pump station to the Party City sub-surface system was made without the DEP being notified. No inspections were made during the construction. Lamont Engineers were notified by email. There was no flow through the system at the time of the inspection. This was a pre-season inspection. The generator showed 445.0 running hours. The pump running hour meters showed 4271.16 and 3543.35 hours on pumps # 1 and # 2 respectively.'

SPDES Permit Exceedance(s)

On July 1, 2015, a DMR monitoring result indicated a violation of NITRATE DAILY MAX with a sample result of 33.6 mg/l, exceeding the SPDES limit of 10.0 mg/l. The elevated reading was likely the result of start-up of the facility. Physical and biological factors impact the growth of nitrifying bacteria within the recirculating sand filters.

On July 1, 2015, a DMR monitoring result indicated a violation of TDS with a sample result of 540 mg/l, exceeding the SPDES limit of 500 mg/l. The operator believes the elevated reading is the result of the ion exchange vessel as part of the ammonia removal process. The TDS was sampled and profiled to determine possible causes for the increase. The influent TDS was 370 mg/l, the sand filter effluent was 530 mg/l and following the ion exchange vessel it was 540 mg/l.

On August 1, 2015, a DMR monitoring result indicated a violation of TDS with a sample result of 510 mg/l, exceeding the SPDES limit of 500 mg/l. The operator believes the elevated reading is the result of the ion exchange vessel as part of the ammonia removal process.

On August 1, 2015, a DMR monitoring result indicated a violation of NITRATE DAILY MAX with a sample result of 28.6 mg/l, exceeding the SPDES limit of 10.0 mg/l. Physical and biological factors impact the growth of nitrifying bacteria within the recirculating sand filters.

If levels higher than the action levels are confirmed, the SPDES permit may be reopened by the NYSDEC for consideration of revised action levels or effluent limits. These SPDES violations will be addressed during the next quarterly WECC meeting.

Enforcements

None.

Miscellaneous

On October 21, 2015, staff received a communication from the operator about the items listed in the last inspection report. The chimney and the junction boxes on the outside of the plant have been repaired. Camp staff has been notified about the outfall, they will keep it clean and clear for next season. The piping for the rapid sand filters is being attended to.

NYCDEP WWTP Inspection Program
EPA FAD Deliverable 6.2
February 2016

Facility: Pine Hill (NYCDEP)

Basin	SPDES	Inspected	Seasonal WWTP	Report Sent to Owner
Ashokan	NY0026557	Yes	No	Yes

Comments

None.

Inspections

On September 29, 2015, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

On December 29, 2015, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

SPDES Permit Exceedance(s)

On August 1, 2015, a DMR monitoring result indicated a violation of TEMP with a sample result of 71.6 degrees exceeding the SPDES limit of 70 degrees.

On September 1, 2015, a DMR monitoring result indicated a violation of TEMP with a sample result of 71.6 degrees exceeding the SPDES limit of 70 degrees.

A report of noncompliance event was filed with DEC/DEP for the August and September 2015 monitoring periods. Higher effluent temperature is attributable to ambient air temperature. There did not appear to be any mechanical or process control abnormalities that could have led to this reading. All remaining wet chemistry and bacteriological values for the period demonstrate no upset within the treatment process.

Enforcements

This is a DEP owned facility. The WWTP Compliance and Inspection group does not have any regulatory authority over this facility.

Miscellaneous

None.

NYCDEP WWTP Inspection Program
EPA FAD Deliverable 6.2
February 2016

Facility: Prattsville (T)

Basin	SPDES	Inspected	Seasonal WWTP	Report Sent to Owner
Schoharie	NY0263028	Yes	No	Yes

Comments

None.

Inspections

On September 18, 2015, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

On December 15, 2015, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

SPDES Permit Exceedance(s)

None.

Enforcements

None.

Miscellaneous

None.

NYCDEP WWTP Inspection Program
EPA FAD Deliverable 6.2
February 2016

Facility: Richardson Hill Road Landfill

Basin	SPDES	Inspected	Seasonal WWTP	Report Sent to Owner
Cannonsville	NY0413008	Yes	No	Yes

Comments

None.

Inspections

On November 17, 2015, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

SPDES Permit Exceedance(s)

None.

Enforcements

None.

Miscellaneous

None.

NYCDEP WWTP Inspection Program
EPA FAD Deliverable 6.2
February 2016

Facility: Robert W. Harold Campus (BOCES)

Basin	SPDES	Inspected	Seasonal WWTP	Report Sent to Owner
Cannonsville	NY0097446	Yes	No	Yes

Comments

None.

Inspections

On September 22, 2015, staff performed a Quarterly Inspection. Items rated less than (S) satisfactory are indicated below:

Item: 'A10. Recordkeeping/Laboratory' received a rating of Marginal with comments: 'Noted several expired pH buffers, operator said he would replace. DMR's printed, permits posted, all licenses in place.'

On November 17, 2015, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

SPDES Permit Exceedance(s)

None.

Enforcements

None.

Miscellaneous

None.

NYCDEP WWTP Inspection Program
EPA FAD Deliverable 6.2
February 2016

Facility: Roxbury Lift Station

Basin	SPDES	Inspected	Seasonal WWTP	Report Sent to Owner
Pepacton	RC0000008	Yes	No	No

Comments

None.

Inspections

On September 25, 2015, staff performed a Reconnaissance Inspection of the facility. All items inspected were found to be satisfactory.

On November 18, 2015, staff performed a Reconnaissance Inspection of the facility. All items inspected were found to be satisfactory.

SPDES Permit Exceedance(s)

None.

Enforcements

None.

Miscellaneous

None.

NYCDEP WWTP Inspection Program
EPA FAD Deliverable 6.2
February 2016

Facility: Saputo Foods Non-Contact Cooling Water

Basin	SPDES	Inspected	Seasonal WWTP	Report Sent to Owner
Cannonsville	NY0068292	Yes	No	Yes

Comments

None.

Inspections

On November 20, 2015, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

SPDES Permit Exceedance(s)

On September 1, 2015, a DMR monitoring result indicated a violation of TEMP with a sample result of 81 degrees, exceeding the SPDES limit of 80 degrees. A Report of Noncompliance Event was filed with DEC/DEP. Operational changes were made to avoid this in the future and a new cooling tower will be online soon which will also prevent this.

On December 1, 2015, a DMR monitoring result indicated a violation of TEMP with a sample result of 85 degrees, exceeding the SPDES limit of 80 degrees. A Report of Noncompliance Event was filed with DEC/DEP. The 85 degree effluent temperature lasted for two minutes then dropped down to 78 degrees. The operator believes this is an anomalous condition; they will look into sensor or wiring issues.

Enforcements

None.

Miscellaneous

This permitted discharge is for the cooling water only. It is not related to the industrial pre-treatment facility for their process water.

NYCDEP WWTP Inspection Program
EPA FAD Deliverable 6.2
February 2016

Facility: Stamford (V)

Basin	SPDES	Inspected	Seasonal WWTP	Report Sent to Owner
Cannonsville	NY0021555	Yes	No	Yes

Comments

None.

Inspections

On September 25, 2015, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

On November 4, 2015, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

SPDES Permit Exceedance(s)

None.

Enforcements

None.

Miscellaneous

None.

NYCDEP WWTP Inspection Program
EPA FAD Deliverable 6.2
February 2016

Facility: Tannersville (NYCDEP)

Basin	SPDES	Inspected	Seasonal WWTP	Report Sent to Owner
Schoharie	NY0026573	Yes	No	Yes

Comments

None.

Inspections

On July 16, 2015, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

On October 1, 2015, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

SPDES Permit Exceedance(s)

None.

Enforcements

This is a DEP owned facility. The WWTP Compliance and Inspection group does not have any regulatory authority over this facility.

Miscellaneous

None.

NYCDEP WWTP Inspection Program
EPA FAD Deliverable 6.2
February 2016

Facility: Timber Lake (Camp)

Basin	SPDES	Inspected	Seasonal WWTP	Report Sent to Owner
Ashokan	NY0240664	Yes	Yes	Yes

Comments

This facility is used on a seasonal basis for the summer months only.

Inspections

On July 23, 2015, staff performed a Quarterly Inspection. Items rated less than (S) satisfactory are indicated below:

Item: 'C1. Septic Tanks' received a rating of Marginal with comments: 'The PVC influent pipe to the septic tank has two saplings growing next to it. The base/roots of the trees are starting to wrap around the pipe and will eventually break or crack the line. They should be removed in the near future.'

SPDES Permit Exceedance(s)

On July 1, 2015, a DMR monitoring result indicated a violation of TEMP with a sample result of 73 degrees, exceeding the SPDES limit of 70 degrees. A Report of Noncompliance Event was filed with DEC/DEP. The operators checked the stream temperature and found it to be on average 73 degrees. No course of corrective action is available.

Enforcements

None.

Miscellaneous

None.

NYCDEP WWTP Inspection Program
EPA FAD Deliverable 6.2
February 2016

Facility: Trailside at Hunter (Hunter Highlands)

Basin	SPDES	Inspected	Seasonal WWTP	Report Sent to Owner
Schoharie	NY0061131	Yes	No	Yes

Comments

None.

Inspections

On August 4, 2015, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

On November 10, 2015, staff performed a Quarterly Inspection. Items rated less than (S) satisfactory are indicated below:

Item: 'A4. Stand-By Power' received a rating of Unsatisfactory with comments: 'Battery charger and block heater was in service. The running hour meter showed 793 hrs. Unit test operates weekly with no issue. Operating well for now but service is necessary.'

Item: 'B1. Overflow Lagoon' received a rating of Marginal with comments: 'Lagoon 3/4 full, air was on. Diffusers OK. '

Item: 'B3.Comminutor' received a rating of Marginal with comments: 'The comminutor is working but noisy, should be serviced.'

Item: 'D4. Chemical Addition' received a rating of Unsatisfactory with comments: 'Operator unsure if ample treatment chemicals will be available due to non- payment of bills by owner. Chemical room was clean. Stern Pac is being used. Operator now using powdered magnesium hydroxide (3-5 #/day) for pH adjustment and alkalinity boost. Working well. NaOH available if necessary. Pumps/tubing replaced as necessary.'

Item: 'F1. Sludge Holding Tank' received a rating of Marginal with comments: 'Pumped 6-8x/year. Sludge hauler will not remove sludge unless he is paid in advance due to prior non-payment issues by owner.'

On December 18, 2015, staff performed a Reconnaissance Inspection of the facility. All facility operations appeared to be normal.

On December 30, 2015, staff performed a Reconnaissance Inspection of the facility. All facility operations appeared to be normal.

SPDES Permit Exceedance(s)

On December 3, 2015, staff delivered a Verbal Warning for the positive detection of Giardia on 12/01/2015 with a result of 26 cysts. The operator stated that they air lanced the CBUD the previous day and recalculated until the turbidity level was below the 0.5 NTU limit. They had just started to discharge the morning the sample was collected. There did not appear to be any other mechanical or process control abnormalities that could have led to the elevated reading. All remaining wet chemistry and bacteriological values for the period were in compliance with SPDES parameters. DEP laboratory data indicates full compliance with all SPDES parameters.

Enforcements

None.

Miscellaneous

On September 29, 2015, DEP staff, DEP legal, NYC Corporation Counsel, Delaware Operations and the court appointed receiver met to discuss the outstanding invoices related to operation of the plant. Roughly \$75,000 is owed to Slack Chemical, Turnkey Industries and Delaware Operations. DEP Upgrade Program has stopped payment to the owner and will distribute funds to Mr. Kaplan for all eligible expenses. DEP will investigate past reconciliations to determine any lost funds. The group will provide an account of upcoming expenses through the remainder of the year.

On December 1, 2015, staff was copied on a letter from DEC to the facility owner highlighting the need for a licensed operator to run the facility.

On December 31, 2015 DEP received notice that Delaware Operations will continue to operate the facility through January 31, 2016. Facility operations will handled by JCO, Inc. as of February 1, 2016. The court appointed temporary receiver will remain until March 31, 2016. All outstanding invoices have been reconciled; funds are now available.

NYCDEP WWTP Inspection Program
EPA FAD Deliverable 6.2
February 2016

Facility: Walton (V)

Basin	SPDES	Inspected	Seasonal WWTP	Report Sent to Owner
Cannonsville	NY0027154	Yes	No	Yes

Comments

None.

Inspections

On September 22, 2015, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

On November 30, 2015, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

SPDES Permit Exceedance(s)

On December 1, 2015, a DMR monitoring result indicated a violation of TURBIDITY with a sample result of 9.99 NTU, exceeding the SPDES limit of 5.0 NTU.

On December 1, 2015 DMR indicated a violation of TIME TURBIDITY with a sample result of 2484 minutes, exceeding the SPDES limit of 2160 minutes.

A Report of Noncompliance Event was filed with DEC/DEP for the aforementioned violations. Plant effluent instantaneous turbidity and time allowed for turbidity excursion due to significant plant upset conditions affecting sludge settleability and sand filter solids removal capabilities. Return activated sludge pump failure cause high solids in clarifier. Solids carried over to the sand filters blinding them. This caused high effluent turbidity. Filters were air lanced to remove solids and RAS flow was restored using another pump. There is a plan to install a flow meter on the RAS line to determine when a no-flow condition exists. Plant feed samples are being analyzed and an engineering consultant has been brought in to help identify the exact issue. The coagulant in the clarifier has been changed and new seed sludge has been brought in to help alleviate the problem. The plant operator is working on a solution on various fronts and DEP has approved whatever expenditures are necessary to get the tertiary systems operating as they should.

Enforcements

None.

Miscellaneous

None.

NYCDEP WWTP Inspection Program
EPA FAD Deliverable 6.2
February 2016

Facility: Windham (T)

Basin	SPDES	Inspected	Seasonal WWTP	Report Sent to Owner
Schoharie	NY0262935	Yes	No	Yes

Comments

None.

Inspections

On September 25, 2015, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

On November 19, 2015, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

SPDES Permit Exceedance(s)

None.

Enforcements

None

Miscellaneous

None.

NYCDEP WWTP Inspection Program
EPA FAD Deliverable 6.2
February 2016

Facility: Carmel Sewer District #2

Basin	SPDES	Inspected	Seasonal WWTP	Report Sent to Owner
Croton Falls	NY0031356	Yes	No	Yes

Comments

The DEP commissioned a pilot study of the PALL membrane filter process. The six month study determined if these filters will be considered as an alternative to the existing, high-pressure backwash, continuous microfiltration unit as part of the DEP Capital Replacement Program. The testing period concluded on June 18, 2015, no extensive CIPs required and the units showed quick recovery of membrane flux and pressure.

Inspections

On July 31, 2015, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

On October 27, 2015, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

SPDES Permit Exceedance(s)

On July 1, 2015, a DMR monitoring result indicated a violation of PH MAX with a sample result of 8.6 S.U., exceeding the SPDES maximum of 8.5 S.U. Given the minimal difference and isolated nature of this reading, it does not qualify as an acute or chronic violation; no enforcement is necessary.

On August 1, 2015, a DMR monitoring result indicated a violation of PHOS 30 DAY AVG with a sample result of 0.23 mg/l exceeding the SPDES limit of 0.2 mg/l.

On September 1, 2015, a DMR monitoring result indicated a violation of PHOS 30 DAY AVG with a sample result of 0.24 mg/l exceeding the SPDES limit of 0.2 mg/l.

On October 1, 2015, a DMR monitoring result indicated a violation of PHOS 30 DAY AVG with a sample result of 0.5 mg/l exceeding the SPDES limit of 0.2 mg/l.

On December 1, 2015, a DMR monitoring result indicated a violation of PH MAX with a sample result of 8.57 S.U., exceeding the SPDES limit of 8.5 S.U. Given the minimal difference and isolated nature of this reading, it does not qualify as an acute or chronic violation; no enforcement is necessary.

The facility submitted the appropriate Report of Noncompliance Event with DEC/DEP for the aforementioned violations for PHOS 30 DAY AVG occurring in August, September and October 2015. The stated cause was an upset to the gravity sludge thickener due to hot air temperature. This led to an increased solids load, along with an increased concentration of organic phosphorus and ortho phosphate, into the secondary treatment process. The operator immediately increased sludge hauling to alleviate the solids return into the recycled flow but the reaction of the system was slow. There did not appear to be any other mechanical or process control abnormalities that could have led to these elevated readings. All remaining wet chemistry and bacteriological values for the period were in compliance with SPDES parameters. DEP laboratory data indicates full compliance with all SPDES parameters.

Enforcements

None.

Miscellaneous

None.

NYCDEP WWTP Inspection Program
EPA FAD Deliverable 6.2
February 2016

Facility: Clear Pool Camp

Basin	SPDES	Inspected	Seasonal WWTP	Report Sent to Owner
West Branch	NY0098621	Yes	No	Yes

Comments

None.

Inspections

On August 19, 2015, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

On November 16, 2015, staff performed a Quarterly Inspection. Items rated less than (S) satisfactory are indicated below:
Item: 'A2. Flow Metering' received a rating of Marginal with comments: '14841988 overdue for calibration'.

SPDES Permit Exceedance(s)

None.

Enforcements

None.

Miscellaneous

None.

NYCDEP WWTP Inspection Program
EPA FAD Deliverable 6.2
February 2016

Facility: Hill Sparrow (The Fairways at Hill and Dale)

Basin	SPDES	Inspected	Seasonal WWTP	Report Sent to Owner
Croton Falls	NY0165719	Yes	No	Yes

Comments

None.

Inspections

On August 7, 2015, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

On December 1, 2015, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

SPDES Permit Exceedance(s)

None.

Enforcements

None.

Miscellaneous

None.

NYCDEP WWTP Inspection Program
EPA FAD Deliverable 6.2
February 2016

Facility: Lewisboro Elementary School

Basin	SPDES	Inspected	Seasonal WWTP	Report Sent to Owner
Cross River	NY0036684	Yes	No	Yes

Comments

None.

Inspections

On November 17, 2015, staff performed a Reconnaissance Inspection of the facility. The school remains closed.

The Lewisboro Elementary School is closed; staff and student population have all been assigned to the Katonah Elementary School. The SPDES permit will remain active and the school district will actively seek tenants for the building, they will not discharge. If the district reopens the school or occupy the building and produce wastewater, compelling operation of the plant, DEP staff will conduct monitoring and perform inspection in accordance with our FAD requirements.

SPDES Permit Exceedance(s)

None.

Enforcements

None.

Miscellaneous

None.

NYCDEP WWTP Inspection Program
EPA FAD Deliverable 6.2
February 2016

Facility: Mahopac (NYCDEP)

Basin	SPDES	Inspected	Seasonal WWTP	Report Sent to Owner
Croton Falls	NY0026590	Yes	No	Yes

Comments

None.

Inspections

On July 14, 2015, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

On November 5, 2015, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

SPDES Permit Exceedance(s)

On July 1, 2015, a DMR monitoring result indicated a violation of TEMP with a sample result of 75 degrees, exceeding the SPDES limit of 70 degrees.

On August 1, 2015, a DMR monitoring result indicated a violation of TEMP with a sample result of 76 degrees, exceeding the SPDES limit of 70 degrees.

On September 1, 2015, a DMR monitoring result indicated a violation of TEMP with a sample result of 75 degrees, exceeding the SPDES limit of 70 degrees.

A report of noncompliance event was filed with DEC/DEP for the July, August and September 2015 monitoring periods. Higher effluent temperature is attributable to ambient air temperature. There did not appear to be any mechanical or process control abnormalities that could have led to this reading. All remaining wet chemistry and bacteriological values for the period demonstrate no upset within the treatment process.

On December 1, 2015, a DMR monitoring result indicated a violation of NH3 WINTER 30 DAY AVG with a sample result of 2.53 mg/l exceeding the SPDES limit of 2.2 mg/l. There did not appear to be any mechanical or process control abnormalities that could have led to this reading. All remaining wet chemistry and bacteriological values for the period demonstrate no upset within the biological process. Given the minimal difference and isolated nature of this reading, it does not qualify as an acute or chronic violation; no further analysis is necessary.

Enforcements

This is a DEP owned facility. The WWTP Compliance and Inspection group does not have any regulatory authority over this facility.

Miscellaneous

None.

NYCDEP WWTP Inspection Program
EPA FAD Deliverable 6.2
February 2016

Facility: Meadows at Cross River

Basin	SPDES	Inspected	Seasonal WWTP	Report Sent to Owner
Cross River	NY0099520	Yes	No	Yes

Comments

None.

Inspections

On July 22, 2015, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

On October 13, 2015, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

SPDES Permit Exceedance(s)

None.

Enforcements

None.

Miscellaneous

None.

NYCDEP WWTP Inspection Program
EPA FAD Deliverable 6.2
February 2016

Facility: Michelle Estates

Basin	SPDES	Inspected	Seasonal WWTP	Report Sent to Owner
Cross River	NY0214841	Yes	No	Yes

Comments

None.

Inspections

On July 23, 2015, staff performed a Quarterly Inspection. Items rated less than (S) satisfactory are indicated below:

Item: 'D3. Rapid Sand Filters' received a rating of Marginal with comments: 'Reconstruction work is finished, waiting for computer to be reconfigured. Only one unit currently on line.'

On December 17, 2015, staff performed a Quarterly Inspection. Items rated less than (S) satisfactory are indicated below:

Item: 'D3. Rapid Sand Filters' received a rating of Marginal with comments: 'After reconstruction, all filters operating normally.'

SPDES Permit Exceedance(s)

None.

Enforcements

None.

Miscellaneous

None.

NYCDEP WWTP Inspection Program
EPA FAD Deliverable 6.2
February 2016

Facility: North Castle and Harrison Pump Stations

Basin	SPDES	Inspected	Seasonal WWTP	Report Sent to Owner
Kensico	RC0000002	Yes	No	No

Comments

None.

Inspections

DEP conducted compliance inspections throughout the third and fourth quarter of 2015 at the sewage pump stations in the Town of North Castle on Old Route 22, Cooney Hill Road, Route 120 (Loudens Cove), New King Street, Old Orchard Street and the pump station in the Town of Harrison on Park Lane. The inspections revealed no abnormal conditions.

SPDES Permit Exceedance(s)

None.

Enforcements

None.

Miscellaneous

None.

NYCDEP WWTP Inspection Program
EPA FAD Deliverable 6.2
February 2016

Facility: Waccabuc Country Club

Basin	SPDES	Inspected	Seasonal WWTP	Report Sent to Owner
Cross River	NY0105708	Yes	No	Yes

Comments

None.

Inspections

On September 11, 2015, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

On November 10, 2015, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

SPDES Permit Exceedance(s)

None.

Enforcements

None.

Miscellaneous

None.

NYCDEP WWTP Inspection Program
EPA FAD Deliverable 6.2
February 2016

Facility: West Lake Sewer Extension

Basin	SPDES	Inspected	Seasonal WWTP	Report Sent to Owner
Kensico	RC0000001	Yes	No	No

Comments

None.

Inspections

Staff performed inspections of the West Lake Trunk Sewer throughout the third and fourth quarter of 2015 in conjunction with regularly scheduled storm water BMP inspections within the Kensico Basin. The inspections revealed no abnormal conditions.

SPDES Permit Exceedance(s)

None.

Enforcements

None.

Miscellaneous

The Westchester County Department of Environmental Facilities (WCDEF) has faithfully submitted the results of the annual inspection and flushing of all associated pipelines, in accordance with the New York State Department of Environmental Conservation (NYSDEC) and the WCDEF Order on Consent (DEC Case No. 3-R3-20030228-17), to all relevant regulatory agencies. No problems within the line were reported.