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

Wastewater Treatment Plant Compliance Inspection Reports Summary – 3<sup>rd</sup> and 4<sup>th</sup> quarter 2017

## March 2018

# Prepared in accordance with Section 6.2 of the NYSDOH 2017 Filtration Avoidance Determination



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#### **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 Ashland Boiceville Chichester (NYCDEP) Delhi Denver Sewer Corp. (Roxbury Run Village) Elka Park Association Fleischmanns Friesland Campina - DOMO (Cooling Water) Grahamsville (NYCDEP) Grand Gorge (NYCDEP) Hanah Country Inn & Golf Resort Hobart Hunter Kraft Dairy (Cooling Water) L'man Achai (Camp) Machne Tashbar (Camp) Margaretville (NYCDEP) Mountain View Estates Mountainside Farms Inc. Oh-Neh-Tah (Camp) Olive Woods LLC. (Woodstock Percussion) **Oorah Catskill Retreat** Pine Hill (NYCDEP) Prattsville **Richardson Hill Road Landfill** Robert W. Harold Campus (BOCES) **Roxbury Lift Station** Saputo Foods USA LLC (Cooling Water) Stamford Tannersville (NYCDEP) Timberlake (Camp) Trailside at Hunter LLC (Hunter Highlands) Walton Windham

#### East-of-Hudson

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

#### **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.

#### **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 2017. 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.

## **Facility: Andes**

Basin	SPDES	Inspected	Seasonal WWTP	<b>Report Sent to Owner</b>
Pepacton	NY0262854	Yes	No	Yes

#### Comments

None.

#### Inspections

On September 28, 2017, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

On December 14, 2017, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

**SPDES Permit Exceedance(s)** None.

Enforcements None.

Miscellaneous None.

#### **Facility: Ashland**

Basin	SPDES	Inspected	Seasonal WWTP	<b>Report Sent to Owner</b>
Schoharie	NY0263214	Yes	No	Yes

#### Comments

None.

#### Inspections

On July 25, 2017, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

On October 30, 2017, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

#### **SPDES Permit Exceedance(s)**

On August 3, 2017, a DEP laboratory sample indicated an exceedance of TOTAL PHOSPHORUS with a sample result of 1.38 mg/l, exceeding the SPDES parameter limit of 1.0 mg/l.

On August 31, 2017, a DMR monitoring result indicated a violation of TOTAL PHOSPHORUS DAILY MAX with a sample result of 1.18 mg/l, exceeding the SPDES limit of 1.0 mg/l. A Report of Noncompliance Event was filed with DEC/DEP. A clogged chemical feed line caused the violation. The blockage was cleared; a re-sample indicated phosphorus level was below SPDES limit. Given the minimal difference and isolated nature of this reading, it does not qualify as an acute or chronic violation; no enforcement is necessary.

#### Enforcements

None.

#### Miscellaneous

#### **Facility: Boiceville**

Basin	SPDES	Inspected	Seasonal WWTP	<b>Report Sent to Owner</b>
Ashokan	NY0274038	Yes	No	Yes

#### Comments

None.

#### Inspections

On August 16, 2017, staff performed a Follow-up Inspection of the facility. Equipment representatives were on site to provide maintenance on the sand filter feed pumps. Pump #3 capacity has diminished greatly. There is an adjustment that reduces the space between the volute and the impeller that increases the flow rate. All three pumps were being taken apart, inspected and adjusted, if needed.

On September 12, 2017, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

On October 31, 2017, staff performed a Follow-up Inspection of the facility. They had approximately 4 inches of rain yesterday and the flow did not increase substantially. The leak in the fitting for the connection at the nearby real estate office was repaired and the temporary cover the operators installed over the grease trap at the post office building significantly reduced I&I.

On November 28, 2017, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

#### **SPDES Permit Exceedance(s)**

On July 13, 2017, a DEP laboratory sample indicated an exceedance of Temperature with a sample result of 71.96 °F, exceeding the SPDES parameter limit of 70 °F.

On September 30, 2017, a DMR monitoring result indicated a violation of NH3 SUMMER DAILY MAX with a sample result of 2.4 mg/l, exceeding the SPDES limit of 1.1 mg/l. A Report of Noncompliance Event was filed with DEC/DEP. The facility placed the second SBR in service. The plant received three loads of seed from the Windham WWTP. Process control testing shows ammonia readings are in compliance.

On August 10, 2017, a DEP laboratory sample indicated an exceedance of Temperature with a sample result of 72.1 °F, exceeding the SPDES parameter limit of 70 °F.

On October 12, 2017, a DEP laboratory sample indicated an exceedance of Temperature with a sample result of 70.34 °F, exceeding the SPDES parameter limit of 70 °F.

#### Enforcements

None.

## Miscellaneous

## Facility: Chichester (NYCDEP)

Basin	SPDES	Inspected	Seasonal WWTP	<b>Report Sent to Owner</b>
Ashokan	NY0233943	Yes	No	Yes

#### Comments

None.

#### Inspections

On July 24, 2017, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

On November 6, 2017, 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

## Facility: Delhi

Basin	SPDES	Inspected	Seasonal WWTP	<b>Report Sent to Owner</b>
Cannonsville	NY0020265	Yes	No	Yes

#### Comments

None.

#### Inspections

On September 8, 2017, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

On November 13, 2017, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

#### **SPDES Permit Exceedance(s)**

On July 31, 2017, a DMR monitoring result indicated a violation of TEMPERATURE with a sample result of 77 °F, exceeding the SPDES limit of 70 °F. A Report of Noncompliance Event was filed with DEC/DEP. High industry feed temperatures along with high ambient air temperatures caused violation. The operator is working with industrial users to reduce temperatures.

On August 31, 2017, a DMR monitoring result indicated a violation of TEMPERATURE with a sample result of 78 °F, exceeding the SPDES limit of 70 °F. A Report of Noncompliance Event was filed with DEC/DEP. High industry feed temperatures along with high ambient air temperatures caused violation. The operator is working with industrial users to reduce temperatures.

On September 30, 2017, a DMR monitoring result indicated a violation of TEMPERATURE with a sample result of 76 °F, exceeding the SPDES limit of 70 °F. A Report of Noncompliance Event was filed with DEC/DEP. High industry feed temperatures along with high ambient air temperatures caused violation. The operator is working with industrial users to reduce temperatures.

On October 31, 2017, a DMR monitoring result indicated a violation of TEMPERATURE with a sample result of 76 °F, exceeding the SPDES limit of 70 °F. A Report of Noncompliance Event was filed with DEC/DEP. High industry feed temperatures along with high ambient air temperatures caused violation. The operator is working with industrial users to reduce temperatures.

On November 30, 2017, a DMR monitoring result indicated a violation of PHOSPHORUS 30 DAY AVG with a sample result of 0.14 mg/l, exceeding the SPDES limit of 0.11 mg/l. A Report of Noncompliance Event was filed with DEC/DEP. High phosphorus loading from unknown source caused the violation; the operator made inquiries with no success. Chemical feed adjusted and monitoring increased to identify source. Given the minimal difference and isolated nature of this reading, it does not qualify as an acute or chronic violation; no enforcement is necessary.

Enforcements

None.

Miscellaneous None.

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

Basin	SPDES	Inspected	Seasonal WWTP	<b>Report Sent to Owner</b>
Pepacton	NY0099562	Yes	No	Yes

#### Comments

None.

#### Inspections

On September 19, 2017, 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: 'The operators have been entering the value for effluent flow on the DMR's which is listed as influent. The facility does not plan on replacing the influent flow meter. The NYSDEC has stated they can use the microfiltration effluent flow meters to report flow. The SPDES permit should be modified to record effluent flow. In lieu of installing an influent flow meter, a formal 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 NYSDEC considers that the computer tracking is equivalent.'

On December 21, 2017, 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: 'The operators have been entering the value for effluent flow on the DMR's which is listed as influent. The facility does not plan on replacing the influent flow meter. The NYSDEC has stated they can use the microfiltration effluent flow meters to report flow. The SPDES permit should be modified to record effluent flow. In lieu of installing an influent flow meter, a formal 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 NYSDEC considers that the computer tracking is equivalent.'

#### **SPDES Permit Exceedance(s)**

On December 6, 2017, a DEP laboratory sample indicated an exceedance of Total Chlorine Residual with a sample result of 0.33 mg/l, exceeding the SPDES parameter limit of 0.1 mg/l.

On December 6, 2017, a DMR monitoring result indicated a violation of CHLOR EFFL RESID DAILY MAX with a sample result of 0.33 mg/l, exceeding the SPDES limit of 0.1 mg/l. A Report of Noncompliance Event was filed with DEC/DEP. The violation was caused by the de-chlorination pump getting air bound. The air was bled out and the system restored; the duration time was three hours. Given the isolated nature of this reading, no enforcement is necessary.

#### Enforcements

None.

Miscellaneous

## Facility: Elka Park Association

Basin	SPDES	Inspected	Seasonal WWTP	<b>Report Sent to Owner</b>
Schoharie	NY0092991	Yes	No	Yes

#### Comments

None.

#### Inspections

On July 17, 2017, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

On October 3, 2017, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

**SPDES Permit Exceedance(s)** None.

Enforcements None.

Miscellaneous None.

#### **Facility: Fleischmanns**

Basin	SPDES	Inspected	Seasonal WWTP	<b>Report Sent to Owner</b>
Pepacton	NY0261521	Yes	No	Yes

#### Comments

None.

#### Inspections

On July 19, 2017, staff performed a Quarterly Inspection. Items rated less than (S) satisfactory are indicated below: Item: 'B2. Influent channel' received a rating of Marginal with comments: 'OK, looks good. Increased rag loading now with new pumps passing solids to WWTP, should be dealt with. Auger overloaded. Engineer still working on solution. Has not impacted downstream components.'

On October 6, 2017, staff performed a Quarterly Inspection. Items rated less than (S) satisfactory are indicated below: Item: 'B2. Influent channel' received a rating of Marginal with comments: 'OK, looks good. Increased rag loading now with new pumps passing solids to WWTP, should be dealt with. Auger overloaded. Engineer working on solution. Has not impacted downstream components.'

#### **SPDES Permit Exceedance(s)**

On December 31, 2017, a DMR monitoring result indicated a violation of CHLOR EFFL RESID DAILY MAX with a sample result of 0.2 mg/l, exceeding the SPDES limit of 0.1 mg/l. A Report of Noncompliance Event was filed with DEC/DEP. 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. Given the isolated nature of this reading, no enforcement is necessary.

#### Enforcements

None.

#### Miscellaneous

## Facility: Friesland Campina - DOMO (Cooling Water)

Basin	SPDES	Inspected	Seasonal WWTP	<b>Report Sent to Owner</b>
Cannonsville	NY0262838	Yes	No	Yes

#### Comments

None.

## Inspections

On December 18, 2017, 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.

## Facility: Grahamsville (NYCDEP)

Basin	SPDES	Inspected	Seasonal WWTP	<b>Report Sent to Owner</b>
Rondout	NY0026549	Yes	No	Yes

#### Comments

None.

#### Inspections

On August 23, 2017, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

On December 6, 2017, 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

## Facility: Grand Gorge (NYCDEP)

Basin	SPDES	Inspected	Seasonal WWTP	<b>Report Sent to Owner</b>
Schoharie	NY0026565	Yes	No	Yes

#### Comments

None.

#### Inspections

On July 12, 2017, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

On October 19, 2017, 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

#### Facility: Hanah Country Inn & Golf Resort

Basin	SPDES	Inspected	Seasonal WWTP	<b>Report Sent to Owner</b>
Pepacton	NY0249777	Yes	No	Yes

#### Comments

None.

#### Inspections

On September 19, 2017, staff performed a Quarterly Inspection. Items rated less than (S) satisfactory are indicated below: Item: 'D1. Aerated E.Q. Tank' received a rating of Marginal with comments: 'Weeds are too overgrown to access tank. Blower was running, it is assumed that aeration was adequate.'

On December 21, 2017, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

#### **SPDES Permit Exceedance(s)**

On October 25, 2017, a DEP laboratory sample indicated an exceedance of pH with a sample result of 6.4 S.U., below the SPDES parameter minimum of 6.5 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.

#### Enforcements

None.

#### Miscellaneous

## **Facility: Hobart**

Basin	SPDES	Inspected	Seasonal WWTP	<b>Report Sent to Owner</b>
Cannonsville	NY0029254	Yes	No	Yes

#### Comments

None.

## Inspections

On September 1, 2017, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

On November 1, 2017, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

SPDES Permit Exceedance(s) None.

Enforcements None.

Miscellaneous None.

## **Facility: Hunter**

Basin	SPDES	Inspected	Seasonal WWTP	<b>Report Sent to Owner</b>
Schoharie	NY0241075	Yes	No	Yes

#### Comments

None.

#### Inspections

On September 5, 2017, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

On December 7, 2017, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

#### **SPDES Permit Exceedance(s)**

On September 7, 2017, a DMR monitoring result indicated a violation of BOD5 DAILY MAX with a sample result of 30.0 mg/l, exceeding the SPDES limit of 5.0 mg/l. A Report of Noncompliance Event was filed with DEC/DEP. 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 September 13, 2017, a DEP laboratory sample indicated a BOD5 reading of < 3.0 mg/l.

On October 18, 2017, a DEP laboratory sample indicated an exceedance of Total Chlorine Residual with a sample result of 0.38 mg/l, exceeding the SPDES parameter limit of 0.24 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 treatment process. Given the isolated nature of this reading, no enforcement is necessary.

Enforcements

None.

Miscellaneous

## Facility: Kraft Dairy (Cooling Water)

Basin	SPDES	Inspected	Seasonal WWTP	<b>Report Sent to Owner</b>
Cannonsville	NY0008494	Yes	No	Yes

#### Comments

None.

## Inspections

On December 18, 2017, 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.

## Facility: L'man Achai (Camp)

Basin	SPDES	Inspected	Seasonal WWTP	<b>Report Sent to Owner</b>
Pepacton	NY0104957	Yes	Yes	Yes

#### Comments

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

#### Inspections

On August 7, 2017, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

On December 18, 2017, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

#### **SPDES Permit Exceedance(s)**

On July 12, 2017, a DEP laboratory sample indicated an exceedance of Temperature with a sample result of 71.6 °F, exceeding the SPDES parameter limit of 70 °F. High ambient air temperatures caused exceedance.

On August 2, 2017, a DEP laboratory sample indicated an exceedance of Temperature with a sample result of 70.88 °F, exceeding the SPDES parameter limit of 70 °F. High ambient air temperatures caused exceedance.

#### Enforcements

None.

#### Miscellaneous

## Facility: Machne Tashbar (Camp)

Basin	SPDES	Inspected	Seasonal WWTP	<b>Report Sent to Owner</b>
Schoharie	NY0263061	Yes	Yes	Yes

#### Comments

None.

#### Inspections

On August 8, 2017, 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: 'Grounds and building look acceptable. Facility is in good overall condition. Licenses and permits posted. Grass along path to outfall needs cutting, path must be clear for access to outfall.'

On November 17, 2017, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

## SPDES Permit Exceedance(s)

None.

Enforcements None.

Miscellaneous None.

## Facility: Margaretville (NYCDEP)

Basin	SPDES	Inspected	Seasonal WWTP	<b>Report Sent to Owner</b>
Pepacton	NY0026531	Yes	No	Yes

#### Comments

None.

#### Inspections

On July 31, 2017, staff performed a Quarterly Inspection. Items rated less than (S) satisfactory are indicated below: Item: 'B2. Grit Removal' received a rating of Marginal with comments: 'One unit working properly. One system (of two) to be completely rehabilitated via JOCS contract. Parts on hand and installation forthcoming, possibly this week. Units being flushed.'

On October 11, 2017, 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

## **Facility: Mountain View Estates**

Basin	SPDES	Inspected	Seasonal WWTP	<b>Report Sent to Owner</b>
Schoharie	NY0263052	Yes	No	Yes

#### Comments

None.

#### Inspections

On September 14, 2017, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

On November 17, 2017, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

**SPDES Permit Exceedance(s)** None.

Enforcements None.

Miscellaneous None.

#### Facility: Mountainside Farms Inc.

Basin	SPDES	Inspected	Seasonal WWTP	<b>Report Sent to Owner</b>
Pepacton	NY0084590	Yes	No	Yes

#### Comments

None.

#### Inspections

On September 19, 2017, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

On December 21, 2017 RCI staff performed a Quarterly Inspection. Items rated less than (S) satisfactory are indicated below: Item: 'B1. Influent Pumps' received a rating of Unsatisfactory with comments: 'The pumps are located at the pump station behind the dairy plant. On the day of the inspection, there was an overflow at the pump station caused by an excess amount of dairy waste. The added flow rate combined with a partially clogged force main from fat, oil & grease (FOG) caused the level in the pump station to rise and overflow the tank. The tank is not very large and does not provide any storage that can be used for equalization. A hauler was called in to pump out 10,500 gallons, the hauler discharged the load into the lined detention pond at the WWTP. The operators will pump it to the WWTP at a later time. This pump station has overflowed a few times in the past and there are periodic flow violations caused by check valve or backflow preventer malfunctions. The dairy facility needs to increase the preventative maintenance of the pump station and the frequency of force main clean outs to avoid future overflows. This pump station is operated and maintained by the dairy plant staff and not the WWTP operators.'

Item: 'E2. UV units' received a rating of Marginal with comments: 'The "B" unit was in service, however, the intensity meter display was showing 0.0 mw/cm2. The "A" unit display is flashing between 0.0 and miscellaneous values even though the lamps were off. Both sensors are not working properly and need to be replaced. One of the four indicator lights was burned out on the "B" unit as well. The operators will order two new sensors and replace them ASAP.'

#### **SPDES Permit Exceedance(s)**

On July 1, 2017, a DMR monitoring result indicated a violation of PHOS 30 DAY AVG with a sample result of 0.547 mg/l, exceeding the SPDES limit of 0.5 mg/l. A Report of Noncompliance Event was filed with DEC/DEP. 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. 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 September 25, 2017, a DEP laboratory sample indicated an exceedance of Nitrates with a sample result of 47.3 mg/l, exceeding the SPDES parameter limit of 20.0 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 treatment process. Given the isolated nature of this reading, no enforcement is necessary.

Enforcements

None.

Miscellaneous None.

## Facility: Oh-Neh-Tah (Camp)

Basin	SPDES	Inspected	Seasonal WWTP	<b>Report Sent to Owner</b>
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; it has been closed since 2011. The WWTP is monitored and routinely run in recirculation mode by a certified WWTP operator. A new collection system for the entire camp was added during the facility upgrade at the camps expense.

#### Inspections

On September 21, 2017, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

On December 12, 2017, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

#### **SPDES Permit Exceedance(s)**

None.

## Enforcements

None.

## Miscellaneous

## Facility: Olive Woods LLC. (Woodstock Percussion)

Basin	SPDES	Inspected	Seasonal WWTP	<b>Report Sent to Owner</b>
Ashokan	NY0098281	Yes	No	Yes

#### Comments

None.

#### Inspections

On August 16, 2017, staff performed a Follow-up Inspection of the facility. The microfiltration units are running well, influent turbidity reads 0.762 NTU and effluent turbidity reads 0.029 NTU. The meter was calibrated on 08/08/2017 and is valid for one year.

On September 8, 2017, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

On November 28, 2017, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

#### **SPDES Permit Exceedance(s)**

On July 13, 2017, a DEP laboratory sample indicated an exceedance of Temperature with a sample result of 70.34 °F, exceeding the SPDES parameter limit of 70 °F.

On December 14, 2017, a DEP laboratory sample indicated an exceedance of Ammonia with a sample result of 3.13 mg/l, exceeding the SPDES parameter 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 treatment process. Given the isolated nature of this reading, no enforcement is necessary.

#### Enforcements

None.

Miscellaneous

#### **Facility: Oorah Catskill Retreat**

Basin	SPDES	Inspected	Seasonal WWTP	<b>Report Sent to Owner</b>
Schoharie	NY0069957	Yes	Yes	Yes

#### Comments

None.

#### Inspections

On August 17, 2017, staff performed a Quarterly Inspection. Items rated less than (S) satisfactory are indicated below:

Item: 'A8. Preventative Maintenance' received a rating of Unsatisfactory with comments: 'The path to the outfall pipe is overgrown and needs to be cleared. There were three-foot-high weeds and wildflowers in the path with lots of bees present. Samples can't be collected at the location. The toilet in the bathroom does not have a water supply or it leaks and is turned off. This needs to be repaired. The operator has been using water from the sink to fill a bucket to flush with.'

Item: 'B1. Pump Station' received a rating of Unsatisfactory with comments: 'The construction for the interconnection from the pump station to the Party City sub-surface system is still in progress. They made a temporary connection in the new valve pit that joins the WWTP and the subsurface systems. They installed a tee with manual valves, however, the required motor operated valves, flow meter and logic controls were not installed. This needs to be done prior to using the subsurface system during the winter season. The lock to the pump station was replaced and the operator now has the key to access the valves. He did not have the key in the past. The pump runtime meters showed 5225.49 and 4401.91 hours for pumps # 1 and #2 respectively. The pump station generator showed 486.5 running hours.'

Item: 'D2. Open Bed Sand Filters' received a rating of Marginal with comments: 'The media in sand bed #3 bed should be replaced. The operator stated the sand that was installed after the bed liner was repaired a few years ago is not correct. The wastewater does not flow through it. The operator stated they were scheduled to replace the sand over the winter, however, the job was cancelled after a change of management at the camp. This filter bed is the reserve bed that is needed for the SPDES permitted flow.'

On December 21, 2017, staff performed a Reconnaissance Inspection of the facility. The Pump Station was checked to see if the subsurface system was activated. The camp staff actually did energize the breakers and controls for the pumps and opened the valve to the Party City sub-surface system. They were not supposed to use this system until the control logic along with motor operated valves were installed to prevent overdosing the absorption beds. The WWTP operator was there that day and made an entry in his log book stating that it was the camp staff that connected the pump station to the subsurface system. DEP contacted the operator and asked to verify that the valve to the WWTP was closed (it cannot be observed from the access door) to prevent any flow from going to the WWTP during the off season. The operator will continue to record the pump running hour meters weekly and notify DEP if he sees a large number of staff or campers on site. The DEP will conduct site visits to check the system over the winter.

#### **SPDES Permit Exceedance(s)**

On July 1, 2017, a DMR monitoring result indicated a violation of NITRATE DAILY MAX with a sample result of 43.6 mg/l, exceeding the SPDES limit of 10 mg/l.

On August 1, 2017, a DMR monitoring result indicated a violation of NITRATE DAILY MAX with a sample result of 42.8 mg/l, exceeding the SPDES limit of 10 mg/l.

On September 1, 2017, a DMR monitoring result indicated a violation of NITRATE DAILY MAX with a sample result of 45.1 mg/l, exceeding the SPDES limit of 10 mg/l.

On July 1, 2017, a DMR monitoring result indicated a violation of TDS with a sample result of 560 mg/l, exceeding the SPDES limit of 500 mg/l.

On August 1, 2017, 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.

On September 1, 2017, a DMR monitoring result indicated a violation of TDS with a sample result of 690 mg/l, exceeding the SPDES limit of 500 mg/l.

## Facility: Oorah Catskill Retreat (continued)

#### **SPDES Permit Exceedance(s)**

The facility submitted reports of Noncompliance Event with DEC/DEP for the aforementioned violations. The operator stated that he felt there may be some flow being lost through the process at the facility. The influent flow has ranged between 10,000 to 14,000 GPD (based on runtime hour meters of pumps) and the effluent is 4,000 to 5,000 GPD based on the flow meter. This has been going on since the start of the camp season. The facility isolated and leak tested the five running sand filters to check for leaks. DEP received a call on July 10, 2017 from the operator stating that none of the beds were leaking. He also stated the effluent flow has stabilized; all of the tanks are holding volume. The operator suspects that the sand filters were just very dry and took longer to saturate this year. They look wet and are starting to pond slightly when they are being dosed. They will continue to monitor flows closely. DEC was scheduled to conduct an inspection on July 11<sup>th</sup>. The elevated readings for ammonia were likely the result of this issue. Physical and biological factors impacted the growth of nitrifying bacteria within the recirculating sand filters. All remaining wet chemistry and bacteriological values for the period demonstrate no upset within the treatment process.

On September 6, 2017, a DEP laboratory sample indicated an exceedance of pH with a sample result of 9.14 S.U., exceeding the SPDES parameter 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.

#### Enforcements

None.

## Miscellaneous

## Facility: Pine Hill (NYCDEP)

Basin	SPDES	Inspected	Seasonal WWTP	<b>Report Sent to Owner</b>
Ashokan	NY0026557	Yes	No	Yes

#### Comments

None.

#### Inspections

On September 25, 2017, staff performed a Quarterly Inspection. Items rated less than (S) satisfactory are indicated below: Item: 'A11. SPDES Permit' received a rating of Marginal with comments: 'The SPDES permit on site expired on 01/31/2012. They have a request in with the DEC to increase the effluent temperature limit and are waiting for the modified permit.'

On November 30, 2017, staff performed a Quarterly Inspection. Items rated less than (S) satisfactory are indicated below: Item: 'A11. SPDES Permit' received a rating of Marginal with comments: 'The SPDES permit on site expired on 01/31/2012. They have a request in with the DEC to increase the effluent temperature limit and are waiting for the modified permit.'

#### **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

## **Facility: Prattsville**

Basin	SPDES	Inspected	Seasonal WWTP	<b>Report Sent to Owner</b>
Schoharie	NY0263028	Yes	No	Yes

#### Comments

None.

#### Inspections

On September 29, 2017, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

On December 22, 2017, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

**SPDES Permit Exceedance(s)** None.

Enforcements None.

Miscellaneous None.

## Facility: Richardson Hill Road Landfill

Basin	SPDES	Inspected	Seasonal WWTP	<b>Report Sent to Owner</b>
Cannonsville	NY0413008	Yes	No	Yes

#### Comments

None.

## Inspections

On December 11, 2017, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

SPDES Permit Exceedance(s) None.

Enforcements None.

Miscellaneous None.

## Facility: Robert W. Harold Campus (BOCES)

Basin	SPDES	Inspected	Seasonal WWTP	<b>Report Sent to Owner</b>
Cannonsville	NY0097446	Yes	No	Yes

#### Comments

None.

#### Inspections

On September 25, 2017, staff performed a Quarterly Inspection. Items rated less than (S) satisfactory are indicated below: Item: 'A9. Flow Measurement' received a rating of Marginal with comments: 'Flow meter calibrated 08/19/2016. Average flows 500-5,000 gpd. Display inoperative so operator is using flow meters on microfiltration skids. New meter installation scheduled.'

On December 11, 2017, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

#### **SPDES Permit Exceedance(s)**

On July 19, 2017, a DEP laboratory sample indicated an exceedance of TEMPERATURE with a sample result of 70.7 °F, exceeding the SPDES parameter limit of 70 °F.

On September 20, 2017, a DEP laboratory sample indicated an exceedance of TEMPERATURE with a sample result of 71.8 °F, exceeding the SPDES parameter limit of 70 °F.

On October 11, 2017, a DEP laboratory sample indicated an exceedance of TEMPERATURE with a sample result of 70.5 °F, exceeding the SPDES parameter limit of 70 °F.

On July 31, 2017, a DMR monitoring result indicated a violation of TEMPERATURE with a sample result of 72 °F, exceeding the SPDES limit of 70 °F.

On August 31, 2017, a DMR monitoring result indicated a violation of TEMPERATURE with a sample result of 72 °F, exceeding the SPDES limit of 70 °F.

On September 30, 2017, a DMR monitoring result indicated a violation of TEMPERATURE with a sample result of 72 °F, exceeding the SPDES limit of 70 °F.

Temperature violations/exceedance based on sampling point located inside building. The plant operator is working with DEC for additional monitoring, and permit revision. The facility has compiled data during the hottest part of the year, with samples collected at the discharge point and inside of the building, to show that the discharge temperature was significantly below the temperature in the building due to the discharge piping being underground. DEC Fisheries Management Bureau, utilizing data loggers, collected readings in the stream above and below the discharge point. DEC will consider removing the 70 °F temperature limit on the SPDES.

#### Enforcements

None.

#### Miscellaneous

## **Facility: Roxbury Lift Station**

Basin	SPDES	Inspected	Seasonal WWTP	<b>Report Sent to Owner</b>
Pepacton	RC000008	Yes	No	No

#### Comments

None.

#### Inspections

On July 26, 2017, staff performed a Reconnaissance Inspection of the facility. All items inspected were found to be satisfactory.

On November 1, 2017, 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.

## Facility: Saputo Foods USA LLC (Cooling Water)

Basin	SPDES	Inspected	Seasonal WWTP	<b>Report Sent to Owner</b>
Cannonsville	NY0068292	Yes	No	Yes

#### Comments

None.

#### Inspections

On December 18, 2017, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

#### **SPDES Permit Exceedance(s)**

On July 1, 2017, a DMR monitoring result indicated a violation of FLOW EFFL DAILY AVG with a sample result of 0.915 MGD, exceeding the SPDES limit of 0.72 MGD. A Report of Noncompliance Event was filed with DEC/DEP.

On August 1, 2017, a DMR monitoring result indicated a violation of FLOW EFFL DAILY AVG with a sample result of 0.897 MGD, exceeding the SPDES limit of 0.72 MGD. A Report of Noncompliance Event was filed with DEC/DEP.

On September 1, 2017, a DMR monitoring result indicated a violation of FLOW EFFL DAILY AVG with a sample result of 0.93 MGD, exceeding the SPDES limit of 0.72 MGD. A Report of Noncompliance Event was filed with DEC/DEP.

On October 1, 2017, a DMR monitoring result indicated a violation of FLOW EFFL DAILY AVG with a sample result of 0.93 MGD, exceeding the SPDES limit of 0.72 MGD. A Report of Noncompliance Event was filed with DEC/DEP.

On October 1, 2017 DMR indicated a violation of TEMPERATURE EXCURSION with a sample result of 645 min/day, exceeding the SPDES limit of 120 min/day. Temp excursion attributed to faulty probe, manual measurements showed no violation.

On October 1, 2017 DMR indicated a violation of TEMPERATURE with a sample result of 83 °F exceeding the SPDES limit of 80 °F. Temperature excursion attributed to faulty probe, manual measurements showed no violation.

On November 1, 2017, a DMR monitoring result indicated a violation of FLOW EFFL DAILY AVG with a sample result of 0.937 MGD, exceeding the SPDES limit of 0.72 MGD. A Report of Noncompliance Event was filed with DEC/DEP.

On December 1, 2017, a DMR monitoring result indicated a violation of FLOW EFFL DAILY AVG with a sample result of 0.916 MGD, exceeding the SPDES limit of 0.72 MGD. A Report of Noncompliance Event was filed with DEC/DEP.

Facility engineers are looking into revised operations to reduce flow use at facility or apply to DEC for a permit revision to allow for the higher flow. The high flows do not appear to have a deleterious effect on effluent quality.

#### 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.

## **Facility: Stamford**

Basin	SPDES	Inspected	Seasonal WWTP	<b>Report Sent to Owner</b>
Cannonsville	NY0021555	Yes	No	Yes

#### Comments

None.

#### Inspections

On July 26, 2017, staff performed a Quarterly Inspection. Items rated less than (S) satisfactory are indicated below: Item: 'D5. Clarifier' received a rating of Marginal with comments: 'Structure of sludge collector on #1 separated due to corrosion. Welders onsite expediting repairs, #2 working normally and #1 should be operational soon.'

On November 8, 2017, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

#### **SPDES Permit Exceedance(s)**

On October 4, 2017, a DEP laboratory sample indicated an exceedance of Total Chlorine Residual with a sample result of 0.56 mg/l, exceeding the SPDES parameter limit of 0.1 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 treatment process. Given the isolated nature of this reading, no enforcement is necessary.

#### Enforcements

None.

#### Miscellaneous

## Facility: Tannersville (NYCDEP)

Basin	SPDES	Inspected	Seasonal WWTP	<b>Report Sent to Owner</b>
Schoharie	NY0026573	Yes	No	Yes

### Comments

None.

## Inspections

On July 5, 2017, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

On October 10, 2017, 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

## Facility: Timber Lake (Camp)

Basin	SPDES	Inspected	Seasonal WWTP	<b>Report Sent to Owner</b>
Ashokan	NY0240664	Yes	Yes	Yes

### Comments

None.

### Inspections

On August 8, 2017, staff performed a Follow-up Inspection of the facility. The generator was running at 12 noon. The caretaker was on site and stated that there was no power outage. The generator is exercised every Tuesday. The effluent over the clarifier weir was very clear. The sand filter beds are clean of weeds. The influent pipe was inspected and had no signs of leaks.

On August 17, 2017, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

On December 14, 2017, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

## **SPDES Permit Exceedance(s)**

On August 16, 2017, a DEP laboratory sample indicated an exceedance of TEMPERATURE with a sample result of 71.1 °F, exceeding the SPDES parameter limit of 70 °F.

### Enforcements

None.

### Miscellaneous

## Facility: Trailside at Hunter LLC (Hunter Highlands)

Basin	SPDES	Inspected	Seasonal WWTP	<b>Report Sent to Owner</b>
Schoharie	NY0061131	Yes	No	Yes

### Comments

None.

### Inspections

On September 20, 2017, 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: 'Buildings in overall operable condition but original building showing wear, concrete stairs leading into building need repair. As previously discussed, several lights in CBUD building need replacement or repair.'

Item: 'A2. Potable Water Supply Prot.' received a rating of Unsatisfactory with comments: 'The back flow preventer was last inspected on 06/26/2016.'

Item: 'A4. Stand-By Power' received a rating of Marginal with comments: 'Battery charger and block heater was in service. The running hour meter showed 905 hours. Unit test operates weekly with no issue however unit is showing its age. Given the criticality of the backup power system, it is imperative that the generator be maintained in the best possible manner. Panel fault indicator lamps not functioning and need to be repaired. Surge protection system should be evaluated to ensure proper function. Serviced as needed by contractor, due for service soon.'

Item: 'B3. Comminutor' received a rating of Unsatisfactory with comments: 'Comminutor not working and should be repaired or replaced.'

Item: 'D4. Chemical Addition' received a rating of Unsatisfactory with comments: 'Stern Pac is being used for NH3 and PO4 removal, non-detectable. Operator no longer using powdered magnesium hydroxide for pH adjustment and alkalinity boost, using soda ash and sodium bicarbonate instead which is working well. NaOH available if necessary. Sumps in chemical addition room filling and should be pumped down.'

Item: 'D8. Turbidity Monitoring' received a rating of Unsatisfactory with comments: 'Turbidity meters calibrated 06/15/2016, due 06/2017. Units not calibrated, 1 display failing, needs replacement.'

On December 21, 2017, 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: 'Buildings in overall operable condition but original building showing wear, concrete stairs leading into need to be fixed. As previously discussed, several lights in CBUD building need replacement or repair. This is still not done but plans are being made to have this issue addressed by contractor. Garage door having issues, may make chemical deliveries difficult. Wes Rice now chief operator, Jonathan Rice day to day operator.'

Item: 'A2. Potable Water Supply Prot.' received a rating of Unsatisfactory with comments: 'The back flow preventer was inspected 06/26/2016.'

Item: 'A4. Stand-By Power' received a rating of Marginal with comments: 'Battery charger and block heater was in service. The running hour meter showed 926 hours. Unit test operates weekly with no issue however unit is showing its age. Given the criticality of the backup power system, it is imperative that the generator be maintained in the best possible manner. Panel fault indicator lamps still not functioning and need to be repaired. Surge protection system should be evaluated to ensure proper functioning. Serviced as needed by contractor, due for service soon.'

Item: 'A5. Alarm Systems' received a rating of Unsatisfactory with comments: 'High tank levels, CL2, building temperature, flow, compressors, UPS power supplies alarmed however these systems are not functioning due to inoperable SCADA system.'

Item: 'A10. SCADA and electronics' received a rating of Unsatisfactory with comments: 'Plant being run in batch cycle in hand mode typically so plant is running OK as it is. SCADA system not operational which does not affect plants ability to run however does adversely affect alarm and high level systems, call out capability.'

Item: 'B3. Comminutor' received a rating of Unsatisfactory with comments: 'Comminutor not working and should be repaired or replaced. Plans being made to have contractor fix.'

Item: 'D4. Chemical Addition' received a rating of Unsatisfactory with comments: 'Stern Pac is being used for NH3 and PO4 removal, non-detectable. Operator no longer using powdered magnesium hydroxide for pH adjustment and alkalinity boost, using soda ash and sodium bicarbonate instead which is working well. NaOH available if necessary. Sumps in chemical addition room filling and should be pumped down. Some pumped out, but level still high.'

# Facility: Trailside at Hunter LLC (Hunter Highlands) (continued)

## Inspections

Item: 'D7. CBUD Sand Filters' received a rating of Unsatisfactory with comments: 'Units need to be air lanced 1x/month during ski season to improve efficiency and maintain proper filtration. This was discussed with the operator again in detail and DEP will be checking to ensure that air lancing is being done according to schedule. Otherwise, first stage air lanced 4x/year, second stage 1-2x/year. Discussed details of air lancing and type of lance apparatus that will best get the job done. Operator says he has a plan for air lance piping. Unfortunately, air lancing is not being done which is a problem. Units dosed with caustic and high concentration chlorine for chemical cleaning.'

Item: 'D8. Turbidity Monitoring' received a rating of Unsatisfactory with comments: 'Turbidity meters calibrated 06/15/2016, due 06/2017. Units not calibrated, 1 display failing, needs replacement.'

## **SPDES Permit Exceedance(s)**

On October 18, 2017, a DEP laboratory sample indicated an exceedance of Turbidity with a sample result of 24.0 NTU, exceeding the SPDES parameter limit of 5.0 NTU. This is an instantaneous reading.

On October 18, 2017, a DEP laboratory sample indicated an exceedance of CBOD with a sample result of 5.6 mg/l, exceeding the SPDES parameter limit of 5.0 mg/l.

On October 18, 2017, a DEP laboratory sample indicated an exceedance of Phosphorus with a sample result of 1.95 mg/l, exceeding the SPDES parameter limit of 1.0 mg/l.

On October 18, 2017, a DEP laboratory sample indicated an exceedance of Settleable Solids with a sample result of 0.3 ml/l, exceeding the SPDES parameter limit of 0.1 ml/l.

On October 18, 2017, a DEP laboratory sample indicated an exceedance of Total Suspended Solids with a sample result of 42.4 mg/l, exceeding the SPDES parameter limit of 10.0 mg/l.

The operator believes that the aforementioned exceedances were due to a sampling error; the plant had just switched sand filters and the DEP samples may not have been representative of the treated effluent.

### Enforcements

None.

### Miscellaneous

The DEP Regulatory Upgrade Program has authorized the replacement of the SCADA system.

## **Facility: Walton**

Basin	SPDES	Inspected	Seasonal WWTP	<b>Report Sent to Owner</b>
Cannonsville	NY0027154	Yes	No	Yes

### Comments

None.

### Inspections

On September 25, 2017, 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: 'Meter calibrated 5/12/2016. Overdue for calibration.' Item: 'B2. Grit Removal' received a rating of Marginal with comments: 'Grit removal is being performed manually until the unit is repaired. Approximately two cubic yards per month. plant operator still consulting with Delaware Engineering regarding rehabilitation of grit removal system to make it operational again. Grant funding also being evaluated from multiple sources. Preliminary work still underway.'

Item: 'B3. Comminutor' received a rating of Marginal with comments: 'High flow bypasses comminutor and directed to side stream bar screen. Cutters worn and need replacement. Long term solution here hinges on type of grit removal solution implemented.'

On December 11, 2017, staff performed a Quarterly Inspection. Items rated less than (S) satisfactory are indicated below: Item: 'B2. Grit Removal' received a rating of Marginal with comments: 'Grit removal is being performed manually until the unit is repaired. Approximately two cubic yards per month.'

Item: 'B3. Comminutor' received a rating of Marginal with comments: 'High flow bypasses comminutor and directed to side stream bar screen. Cutters worn and need replacement. Long term solution here hinges on type of grit removal solution implemented. Funding sources also being evaluated.'

### **SPDES Permit Exceedance(s)**

On July 31, 2017, a DMR monitoring result indicated a violation of TEMPERATURE with a sample result of 75 °F, exceeding the SPDES limit of 70 °F. A Report of Noncompliance Event was filed with DEC/DEP. Upstream/downstream river monitoring indicated that effluent was of acceptable temperature.

On August 31, 2017, a DMR monitoring result indicated a violation of TIME TURBIDITY with a sample result of 2496 Minutes, exceeding the SPDES limit of 2160 Minutes. A Report of Noncompliance Event was filed with DEC/DEP. Plant under upset conditions and operator is working with industrial inputs to determine cause. Process adjustment being made to deal with upset.

On August 31, 2017, a DMR monitoring result indicated a violation of TEMPERATURE with a sample result of 77 °F, exceeding the SPDES limit of 70 °F. A Report of Noncompliance Event was filed with DEC/DEP. Upstream/downstream river monitoring indicated that effluent was of acceptable temperature.

On September 30, 2017, a DMR monitoring result indicated a violation of TEMPERATURE with a sample result of 75 °F, exceeding the SPDES limit of 70 °F. A Report of Noncompliance Event was filed with DEC/DEP. Upstream/downstream river monitoring indicated that effluent was of acceptable temperature.

On October 31, 2017, a DMR monitoring result indicated a violation of TEMPERATURE with a sample result of 75 °F, exceeding the SPDES limit of 70 °F. A Report of Noncompliance Event was filed with DEC/DEP. Upstream/downstream river monitoring indicated that effluent was of acceptable temperature.

On November 30, 2017, a DMR monitoring result indicated a violation of TIME TURBIDITY with a sample result of 5068 Minutes, exceeding the SPDES limit of 2160 Minutes. A Report of Noncompliance Event was filed with DEC/DEP. Plant under upset conditions and operator is working with industrial inputs to determine cause. Process adjustments being made to deal with upset.

There did not appear to be any mechanical or process control abnormalities that could have led to the aforementioned readings.

# Facility: Walton (continued)

# Enforcements

None.

# Miscellaneous

## **Facility: Windham**

Basin	SPDES	Inspected	Seasonal WWTP	<b>Report Sent to Owner</b>
Schoharie	NY0262935	Yes	No	Yes

### Comments

None.

### Inspections

On September 21, 2017, staff performed a Quarterly Inspection. Items rated less than (S) satisfactory are indicated below: Item: 'A1. General' received a rating of Marginal with comments: 'The concrete walkway outside of the door in the mechanical room lifts in the winter months. This blocks the door from opening. This is the only exit to the exterior of the building from that room. One other door exits to the interior. Door should be operational for an emergency exit.'

On December 12, 2017, staff performed a Quarterly Inspection. Items rated less than (S) satisfactory are indicated below: Item: 'A1. General' received a rating of Marginal with comments: 'The concrete walkway outside of the door in the mechanical room lifts in the winter months. This blocks the door from opening. This is the only exit to the exterior of the building from that room. One other door exits to the interior. Door should be operational for an emergency exit.'

Item: 'D6. CBUDS - compressor' received a rating of Marginal with comments: 'They received the quote (\$30,000.00) for the replacement of the two compressor units. The unit ran at the time of the inspection and the cylinder head was very noisy. The proposal has two separate units, each having its own holding tank, for the compressed air. The old unit had two compressors that shared one tank. The one proposal includes the removal of the old unit and is the same company that installed the one at the Hunter WWTP.'

### **SPDES Permit Exceedance(s)**

None.

Enforcements None

Miscellaneous

44

# **Facility: Carmel Sewer District #2**

Basin	SPDES	Inspected	Seasonal WWTP	<b>Report Sent to Owner</b>
Croton Falls	NY0031356	Yes	No	Yes

## Comments

None.

### Inspections

On July 11, 2017, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

On October 12, 2017, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

**SPDES Permit Exceedance(s)** None.

Enforcements None.

# **Facility: Clear Pool Camp**

Basin	SPDES	Inspected	Seasonal WWTP	<b>Report Sent to Owner</b>
West Branch	NY0098621	Yes	No	Yes

### Comments

None.

### Inspections

On August 22, 2017, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

On December 4, 2017, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

**SPDES Permit Exceedance(s)** None.

Enforcements None.

Miscellaneous None.

None

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

Basin	SPDES	Inspected	Seasonal WWTP	<b>Report Sent to Owner</b>
Croton Falls	NY0165719	Yes	No	Yes

### Comments

None.

### Inspections

On July 26, 2017, 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: '26307128 overdue for calibration.'

On October 23, 2017, 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: '30195680 overdue for calibration.'

SPDES Permit Exceedance(s) None.

Enforcements None.

# Facility: Kent Manor Condominiums

Basin	SPDES	Inspected	Seasonal WWTP	<b>Report Sent to Owner</b>
Croton Falls	NY0207322	Yes	No	Yes

### Comments

None.

### Inspections

On September 21, 2017, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

On November 29, 2017, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

**SPDES Permit Exceedance(s)** None.

Enforcements None.

Miscellaneous None.

None

## Facility: Lewisboro Elementary School

Basin	SPDES	Inspected	Seasonal WWTP	<b>Report Sent to Owner</b>
Cross River	NY0036684	Yes	No	Yes

### Comments

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.

### Inspections

On August 17, 2017, staff performed a Quarterly Inspection of the facility. The school remains closed.

On December 14, 2017, staff performed a Quarterly Inspection of the facility. The school remains closed.

SPDES Permit Exceedance(s) None.

Enforcements None.

## Facility: Mahopac (NYCDEP)

Basin	SPDES	Inspected	Seasonal WWTP	<b>Report Sent to Owner</b>
Croton Falls	NY0026590	Yes	No	Yes

### Comments

None.

### Inspections

On July 19, 2017, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

On October 19, 2017, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

### **SPDES Permit Exceedance(s)**

On July 31, 2017, a DMR monitoring result indicated a violation of CBOD5 DAILY MAX with a sample result of 5.3 mg/l, exceeding the SPDES limit of 5.0 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 treatment process. 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 July 31, 2017, a DMR monitoring result indicated a violation of TEMPERATURE with a sample result of 73 Degrees Fahrenheit, exceeding the SPDES limit of 70 Degrees Fahrenheit. A Report of Noncompliance Event was filed with DEC/DEP.

On August 31, 2017, a DMR monitoring result indicated a violation of TEMPERATURE with a sample result of 73 Degrees Fahrenheit, exceeding the SPDES limit of 70 Degrees Fahrenheit. A Report of Noncompliance Event was filed with DEC/DEP.

On September 30, 2017, a DMR monitoring result indicated a violation of TEMPERATURE with a sample result of 71 Degrees Fahrenheit, exceeding the SPDES limit of 70 Degrees Fahrenheit. A Report of Noncompliance Event was filed with DEC/DEP.

### Enforcements

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

### Miscellaneous

# Facility: Meadows at Cross River Condominiums

Basin	SPDES	Inspected	Seasonal WWTP	<b>Report Sent to Owner</b>
Cross River	NY0099520	Yes	No	Yes

### Comments

None.

### Inspections

On July 6, 2017, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

On October 5, 2017, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

**SPDES Permit Exceedance(s)** None.

Enforcements None.

Miscellaneous

## **Facility: Michelle Estates Realty Subdivision**

Basin	SPDES	Inspected	Seasonal WWTP	<b>Report Sent to Owner</b>
Cross River	NY0214841	Yes	No	Yes

### Comments

None.

### Inspections

On September 15, 2017, staff performed a Quarterly Inspection. Items rated less than (S) satisfactory are indicated below:

Item: 'D1. RBC (2 trains)' received a rating of Marginal with comments: 'New bearings on one unit. One RBC down, bearing scheduled for replacement. Need to construct platform over clarifier to complete this task.'

Item: 'D3. Rapid Sand Filters' received a rating of Marginal with comments: '3 SF cells, one cell funded by DEP. Stern PAC line clogged, temporary line installed.'

Item: 'D4. Pall Microfiltration Units' received a rating of Marginal with comments: 'MF feed and SF backwash reservoir (5 pumps - 2 MF/3 SF). Replaced SF backwash pumps/check valves/gate valves. Unit B computer is fried, caused by network issue. Using laptop to control unit. Pall uncooperative in discovering issue.'

On December 8, 2017, staff performed a Quarterly Inspection. Items rated less than (S) satisfactory are indicated below: Item: 'D1. RBC (2 trains)' received a rating of Marginal with comments: 'New bearings on one unit. One RBC down, bearing scheduled for replacement. Need to construct platform over clarifier to complete this task. Contractor has measured to prepare scaffold. Has not impacted effluent.'

## **SPDES Permit Exceedance(s)**

None.

### Enforcements

None.

### Miscellaneous

## **Facility: North Castle and Harrison Pump Stations**

Basin	SPDES	Inspected	Seasonal WWTP	<b>Report Sent to Owner</b>
Kensico	RC000002	Yes	No	No

### Comments

None.

### Inspections

DEP conducted reconnaissance inspections throughout the third and fourth quarter of 2017 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

# **Facility: Waccabuc Country Club**

Basin	SPDES	Inspected	Seasonal WWTP	<b>Report Sent to Owner</b>
Cross River	NY0105708	Yes	No	Yes

## Comments

None.

### Inspections

On August 23, 2017, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

On December 27, 2017, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

**SPDES Permit Exceedance(s)** None.

Enforcements None.

## Facility: West Lake Sewer Extension

Basin	SPDES	Inspected	Seasonal WWTP	<b>Report Sent to Owner</b>
Kensico	RC0000001	Yes	No	No

#### Comments

None.

### Inspections

Staff performed inspections of the West Lake Trunk Sewer throughout the third and fourth quarter of 2017 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.