

**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 2016**

**February 2017**

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



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**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.

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**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 2016. 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.

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**Facility: Andes**

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

**Comments**

None.

**Inspections**

On September 19, 2016, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

On December 28, 2016, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

**SPDES Permit Exceedance(s)**

None.

**Enforcements**

None.

**Miscellaneous**

None.

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**Facility: Ashland**

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

**Comments**

None.

**Inspections**

On September 6, 2016, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

On October 17, 2016, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

**SPDES Permit Exceedance(s)**

None.

**Enforcements**

None.

**Miscellaneous**

None.

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**Facility: Boiceville**

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

**Comments**

Back in August 2015, the plant operator conducted an investigation of the sand filter units and determined that the air supply lines were compromised. The sand filters were not getting enough air flow to provide proper continuous backwash. The plastic tubing that supply the air was crimped at the top of the air lifts, this can happen when replacing the deflector shield after removal. The line may have been damaged when the units were reassembled following the damage caused by Hurricane Irene. Since then, two of the three units were shut down and the sand was removed to inspect the entire air lift system. The tubing was damaged in multiple locations.

The operators decided to modify the units by replacing the plastic tubing with stainless steel. They had the manufacturer make new seal/screen blocks for the air lifts, spares are available on site. New sand was purchased but was stored outside and is frozen. The facility will complete the installation of the air lift parts and sand in the spring of 2017. Due to lack of overhead clearance, the new sand cannot be installed using a material lift. The operators will have to manually install the sand.

**Inspections**

On July 1, 2016, staff performed a Follow-up Inspection of the facility. Both Sequential Batch Reactors (SBR) are still settling well and there is no foam present. Parts for the sand filter repair remain on back order.

On July 25, 2016, staff performed a Follow-up Inspection of the facility. The facility received the final parts needed to repair the sand filter air lifts. The operator has diverted all flow to one SBR unit and it is working well. The Mixed Liquor Suspended Solids (MLSS) is up to 4,200 mg/l and settling well. The Sludge Volume Index (SVI) is 60 and the five and thirty minute settleometer results showed 450 ml/l and 270 ml/l respectively. They have a three foot sludge blanket with several feet of clear supernatant during the settling mode. The turbidity of the SBR effluent is 1.2 NTU. The plant is no longer impacted by infiltration and inflow (I&I).

On September 1, 2016, 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: 'Unit # 3 is in service and works well, the other two need to have the air supply tubing replaced. Since the last quarterly inspection, the operators removed the sand from the other two sand filters. They had all of the sand hauled out with a vacuum truck after they let it naturally dewater on site. With the filters empty, they used a hydraulic jack to push up the air lifts that were stuck in place. They still plan on replacing the plastic air lift tubing with stainless steel to prevent it from crimping again. They greatly reduced the cost of the repairs by taking on the project themselves. This gave them enough time to learn how the units are assembled and plan the modification of the air lifts. They are going to complete the repairs in the near future.'

On October 11, 2016, staff performed a Follow-up Inspection of the facility. The operator has increased the MLSS to 5,000 mg/l on one SBR in an effort to reduce the ammonia level. The ammonia results have been slightly high but remain in compliance. The SBR effluent tank was pumped out, roughly eight inches of sediment was removed; the ammonia dropped as a result. Overall, the plant is still running and settling well. The stainless steel tubing was shipped twice, at twenty foot lengths, and damaged each time. They will now be shipped in ten foot lengths; the operator will use compression fittings for connection.

On December 6, 2016, 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: 'Unit # 3 is in service and works well. Since the last quarterly inspection, all required parts have been received for the repair. They have replaced the plastic air lift tubing with stainless steel which will not crimp during normal operation. They greatly reduced the cost of the repairs by taking on the project themselves. This gave them enough time to learn how the units are assembled and plan the modification of the air lifts.'



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**Facility: Boiceville (continued)**

**SPDES Permit Exceedance(s)**

None.

**Enforcements**

None.

**Miscellaneous**

None.

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**Facility: Chichester (NYCDEP)**

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

**Comments**

None.

**Inspections**

On August 30, 2016, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

On October 7, 2016, 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.

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**Facility: Delhi**

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

**Comments**

None.

**Inspections**

On September 19, 2016, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

On November 17, 2016, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

**SPDES Permit Exceedance(s)**

On July 1, 2016, a DMR monitoring result indicated a violation of TURBIDITY with an instantaneous reading of 8.39 NTU, exceeding the SPDES limit of 5.0 NTU. The DMR also indicated a violation for TIME TURBIDITY with total reading of 2,821 Minutes, exceeding the SPDES limit of 2,160 Minutes.

On August 1, 2016, a DMR monitoring result indicated a violation of TURBIDITY with an instantaneous reading of 10.0 NTU, exceeding the SPDES limit of 5.0 NTU.

On September 1, 2016, a DMR monitoring result indicated a violation of TURBIDITY with an instantaneous reading of 7.12 NTU, exceeding the SPDES limit of 5.0 NTU.

Reports of noncompliance event was filed with DEC/DEP for each monitoring period. The operator reported high turbidity numbers associated with turbidity meter cleaning and calibrating; unit did not settle into normal measurement mode before using the meter for reporting. Plant influent was overloaded by their industrial users (Friesland Campina – DOMO and Saputo Foods). The operator has contacted both entities to rectify. 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**

None.

**Miscellaneous**

None.

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

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

**Comments**

DEP has entered into an agreement with New York State Environmental Facilities Corporation (EFC) to administer a program to address the DEP’s obligations under the NYC Watershed Memorandum of Agreement (MOA) to pay costs for replacing capital equipment installed as part of the RUP. The Denver Sewer Corporation WWTP has been identified as a priority facility under this capital replacement program; the long term corrective action will include a modernized microfiltration process.

DEP has continually provided funding for all microfiltration operation and repair; the existing microfiltration units consistently produce a high quality effluent.

**Inspections**

On September 21, 2016, 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. 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: 'D2. Clarifier received a rating of Marginal with comments: 'The air lift pipe on the first stage clarifier is steel and is rusted out. The operator is using a portable pump to waste solids from the clarifiers until they schedule the repair. They would need to stop forward flow and empty the clarifiers during this repair.'

Item: 'D4. Open Sand Filters' received a rating of Marginal with comments: 'Sand filter # 1 is in great working condition. Sand filter # 2 needs to be weeded and leveled.'

Item: 'D6. Micro Filtration' received a rating of Marginal with comments: '"Another schedule 80 PVC manifold is broken on Unit # 1. The operators are going to use three bolt-on rubber couplings to attach the manifold to the MF unit. The rubber will provide some flexibility and allow for some misalignment. Unit #2 is working fine. The schedule 80 PVC elbow for the backwash drain line that is embedded into the concrete floor has been repaired. 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. They recently reached out to the manufacturer to purchase new heater elements; the ones that were shipped were inadequate. The operators are waiting for the new ones to arrive.'

On December 13, 2016, 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.'

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

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

**SPDES Permit Exceedance(s)**

On September 5, 2016, a DEP laboratory sample indicated an exceedance of CBOD with a sample result of 10.0 mg/l, exceeding the SPDES parameter limit of 5.0 mg/l. The DEP laboratory also recorded an exceedance of TSS with a sample result of 56.0 mg/l, exceeding the SPDES limit of 10.0 mg/l. The DEP lab sampler observed a white substance on the surface of the sample. It appears the de-chlorination tablets eroded and washed out into the outfall, impacting the readings. The tablet de-chlorination system is in use due to clogging and freezing within the liquid de-chlorination system. All remaining wet chemistry and bacteriological values for the period were in compliance with SPDES parameters.

**Enforcements**

None.

**Miscellaneous**

None.

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**Facility: Elka Park Association**

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

**Comments**

None.

**Inspections**

On July 19, 2016, 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 summer. Significant amount of weeds growing, weeds need to be extirpated.'

On October 19, 2016, staff performed a Quarterly Inspection. Items rated less than (S) satisfactory are indicated below:

Item: 'D6. Microfiltration' received a rating of Marginal with comments: 'Unit A having issues with high discharge turbidity, currently offline. PALL scheduled for service. No flow, low flow to WWTP, appears well maintained. Skid A and Skid B operational. No leaks noted.'

**SPDES Permit Exceedance(s)**

None.

**Enforcements**

None.

**Miscellaneous**

None.

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**Facility: Fleischmanns**

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

**Comments**

None.

**Inspections**

On July 6, 2016, 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.'

On October 11, 2016, 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 October 1, 2016, a DMR monitoring result indicated a violation of PH MIN with a sample result of 6.4 S.U., below the SPDES minimum of 6.5 S.U. Facility was operating in batch mode, operator made process adjustments to compensate. 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 December 1, 2016, a DMR monitoring result indicated a violation of PH MIN with a sample result of 6.44 S.U., below the SPDES minimum of 6.5 S.U. Plant biology impacted by low winter loading, operator made process adjustments to compensate. 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.

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

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

**Comments**

None.

**Inspections**

On December 28, 2016, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

**SPDES Permit Exceedance(s)**

On July 1, 2016, a DMR monitoring result indicated a violation of PHOS DAILY MAX with a sample result of 0.212 mg/l, exceeding the SPDES limit of 0.1 mg/l. The violation was attributed to laboratory error. A resample was analyzed, readings were compliant. The DMR also indicated a violation for TEMPERATURE with a sample result of 74 Degrees Fahrenheit exceeding the SPDES limit of 70 Degrees Fahrenheit. A Report of Noncompliance Event was filed with DEC/DEP.

On August 1, 2016, a DMR monitoring result indicated a violation of TEMPERATURE with a sample result of 76 Degrees Fahrenheit, exceeding the SPDES limit of 70 Degrees Fahrenheit. An upstream tributary is negatively affecting upstream temperature probes. The DMR also indicated a violation for PH MAX with a sample result of 8.7 S.U., exceeding the SPDES limit of 8.5 S.U. and a violation of PHOS DAILY MAX with a sample result of 0.13 mg/l, exceeding the SPDES limit of 0.1 mg/l. Issue likely caused by a leaking heat exchanger, operators will investigate the suspect equipment. A Report of Noncompliance Event was filed with DEC/DEP.

On September 1, 2016, a DMR monitoring result indicated a violation of TEMPERATURE with a sample result of 91 Degrees Fahrenheit, exceeding the SPDES limit of 70 Degrees Fahrenheit. An upstream tributary is negatively affecting upstream temperature probes. The DMR also indicated a violation for PH MAX with a sample result of 11.7 S.U., exceeding the SPDES limit of 8.5 S.U. and a violation of PHOS DAILY MAX with a sample result of 0.13 mg/l, exceeding the SPDES limit of 0.1 mg/l. The operator discovered another leaking heat exchanger, unit was taken off-line and flow was directed to the sanitary waste line and treated at the wastewater treatment plant. A Report of Noncompliance Event was filed with DEC/DEP.

On October 1, 2016, a DMR monitoring result indicated a violation of TEMPERATURE with a sample result of 81 Degrees Fahrenheit, exceeding the SPDES limit of 70 Degrees Fahrenheit. Chronic temperature issues should be resolved with installation of new cooling wells. The DMR also indicated a violation for PHOS DAILY MAX with a sample result of 0.2 mg/l, exceeding the SPDES limit of 0.1 mg/l. The operator suspected high phosphorus in the feed from well #1A, based on sampling performed by facility. The well was sampled again and found to have high phosphorus levels consistent with the reported data. This well has been taken offline. A Report of Noncompliance Event was filed with DEC/DEP.

On November 1, 2016, a DMR monitoring result indicated a violation of TEMPERATURE with a sample result of 83 Degrees Fahrenheit, exceeding the SPDES limit of 70 Degrees Fahrenheit. Chronic temperature issues should be resolved with installation of new cooling wells. The DMR also indicated a violation for PH MAX with a sample result of 9.3 S.U., exceeding the SPDES limit of 8.5 S.U. The exceedance was attributable to a wash system cross connection; this piece of equipment was taken offline. A Report of Noncompliance Event was filed with DEC/DEP.

On December 31, 2016, a DMR monitoring result indicated a violation of TEMPERATURE with a sample result of 75 Degrees Fahrenheit, exceeding the SPDES limit of 70 Degrees Fahrenheit. Temperature issue attributable to cross connection, cross connection plugged. The DMR also indicated a violation for PH MAX with a sample result of 10.6 S.U., exceeding the SPDES limit of 8.5 S.U. The issue was a waste line connected to the NCCW discharge line. The incorrect waste line plugged. A Report of Noncompliance Event was filed with DEC/DEP.



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**Facility: Friesland Campina - DOMO (Cooling Water) (continued)**

**Enforcements**

Chronic temperature violations have been an ongoing issue. Lack of available well capacity has been the main culprit; DEP has communicated with Friesland Campina – DOMO regarding this issue for well over a year. Technical difficulties and other delays prevented well installation to provide additional cooling capacity. DEP issued a warning letter November 1, 2016 regarding the lack of action expediting a long term solution to the temperature issue. The new cooling water well was placed online in late November 2016. Since then, there was one temperature violation that was related to a previously undetected cross connection that was immediately dealt with. There have been no other temperature violations since the new well went into service. The facility is also looking at other operational solutions to further enhance their cooling capabilities. DEP Wastewater Compliance and Inspection staff will closely monitor the cooling water system discharge temperature data provided by both discharge monitoring reports and DEP water quality to ensure that this solution remains viable for the long term.

**Miscellaneous**

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

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**Facility: Grahamsville (NYCDEP)**

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

**Comments**

None.

**Inspections**

On August 16, 2016, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

On November 2, 2016, 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.

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**Facility: Grand Gorge (NYCDEP)**

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

**Comments**

None.

**Inspections**

On July 21, 2016, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

On October 12, 2016, 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.

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

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

**Comments**

None.

**Inspections**

On September 21, 2016, staff performed a Quarterly Inspection. Items rated less than (S) satisfactory are indicated below:

Item: 'A7. Stand-By Power' received a rating of Marginal with comments: 'There was a fault light on the generator. The running hour meter showed 211.3 hours with 13 volts on the battery charger. The propane tank was full.'

On December 13, 2016, staff performed a Quarterly Inspection. Items rated less than (S) satisfactory are indicated below:

Item: 'A7. Stand-By Power' received a rating of Marginal with comments: 'The fault light on the generator was still on since the last inspection. The running hour meter showed 212.4 hours with 13 volts on the battery charger.'

**SPDES Permit Exceedance(s)**

None.

**Enforcements**

None.

**Miscellaneous**

None.

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**Facility: Hobart**

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

**Comments**

None.

**Inspections**

On September 9, 2016, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

On November 9, 2016, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

**SPDES Permit Exceedance(s)**

None.

**Enforcements**

None.

**Miscellaneous**

None.

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**Facility: Hunter**

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

**Comments**

None.

**Inspections**

On September 7, 2016, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

On December 7, 2016, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

**SPDES Permit Exceedance(s)**

None.

**Enforcements**

None.

**Miscellaneous**

None.

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**Facility: Kraft Dairy (Cooling Water)**

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

**Comments**

None.

**Inspections**

On December 13, 2016, 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.

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**Facility: L'man Achai (Camp)**

<b>Basin</b>	<b>SPDES</b>	<b>Inspected</b>	<b>Seasonal WWTP</b>	<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 25, 2016, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

On November 17, 2016, staff performed a Quarterly Inspection. Items rated less than (S) satisfactory are indicated below:

Item: 'D2. Sand Filters' received a rating of Unsatisfactory with comments: 'OK, normal summer operations. Both beds need to be weeded. Orenco valves still installed outside, need to be removed and placed indoors to prevent damage. Offline for winter season.'

**SPDES Permit Exceedance(s)**

None.

**Enforcements**

None.

**Miscellaneous**

None.



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**Facility: Machne Tashbar (Camp)**

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

**Comments**

None.

**Inspections**

On August 2, 2016, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

On November 23, 2016, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

**SPDES Permit Exceedance(s)**

None.

**Enforcements**

None.

**Miscellaneous**

None.

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**Facility: Margaretville (NYCDEP)**

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

**Comments**

None.

**Inspections**

On July 11, 2016, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

On October 26, 2016, 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.

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**Facility: Mountain View Estates**

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

**Comments**

None.

**Inspections**

On August 2, 2016, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

On November 23, 2016, staff performed a Quarterly Inspection. Items rated less than (S) satisfactory are indicated below:

Item: 'E1. U.V. Disinfection' received a rating of Marginal with comments: '11653 hours on unit 2. There are two Trojan Swift U.V. units SC (BO4) being used for disinfection. Spare bulbs and ballasts on hand. Unit #1 offline due to circuit board issues, being worked on. Unit #2 is fully operational.'

**SPDES Permit Exceedance(s)**

None.

**Enforcements**

None.

**Miscellaneous**

None.

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**Facility: Mountainside Farms Inc.**

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

**Comments**

None.

**Inspections**

On September 21, 2016, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

On December 13, 2016, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

**SPDES Permit Exceedance(s)**

On July 1, 2016, a DMR monitoring result indicated a violation of FLOW INFL DAILY MAX with a sample result of 0.86 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.

**Enforcements**

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

**Miscellaneous**

None.

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

<b>Basin</b>	<b>SPDES</b>	<b>Inspected</b>	<b>Seasonal WWTP</b>	<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 29, 2016, staff performed a Quarterly Inspection. Items rated less than (S) satisfactory are indicated below:

Item: 'B3. Pump Station' received a rating of Marginal with comments: 'Pump station power is turned off and there is some groundwater flowing from the tank. '

Item: 'E4. Receiving Water Condition' received a rating of Marginal with comments: 'Some rust in the ditch at the outfall pipe.'

On December 20, 2016 RCI staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

**SPDES Permit Exceedance(s)**

None.

**Enforcements**

None.

**Miscellaneous**

None.

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

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

**Comments**

None.

**Inspections**

On September 1, 2016, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

On December 6, 2016, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

**SPDES Permit Exceedance(s)**

None.

**Enforcements**

None.

**Miscellaneous**

None.

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**Facility: Oorah Catskill Retreat**

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

**Comments**

None.

**Inspections**

On August 8, 2016, 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 flow meter was last calibrated on 07/20/2015 and has not been done this season. It is past due, along with the turbidity meter. The flow for this month ranged from 6,000 to 11,000 GPD.'

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. They need to install handles on the manual valves so the operators can close the valves in case of an emergency. The tee needs to be secured to the concrete side wall to prevent the slip joints from coming apart; the pump forces the wastewater into the tee connection. The drain pipe back to the pump station is capped and needs to be kept open on a regular basis.'

On November 4, 2016, staff performed a Quarterly Inspection. Items rated less than (S) satisfactory are indicated below:

Item: 'B1. Pump Station' received a rating of Unsatisfactory with comments: 'The valves from the building to the pump station are closed for the off season. Power to the pump station is turned off also. The operator reads the pump running hour meters daily to ensure the pumps are not being operated. The SPDES permit is a seasonal one and is only valid until September 30th. The meters showed 4957.1 and 4168.3 for pumps number 1 and 2 respectively. The splitter box is also plugged for the winter. The pump station generator showed 420.6 running hours. 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. They need to install handles on the manual valves so the operators can close the valves in case of an emergency. The tee needs to be secured to the concrete side wall to prevent the slip joints from coming apart; the pump forces the wastewater into the tee connection. The drain pipe back to the pump station is capped and needs to be kept open on a regular basis.'

**SPDES Permit Exceedance(s)**

On July 1, 2016, a DMR monitoring result indicated a violation of NITRATE DAILY MAX with a sample result of 41.8 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, 2016, a DMR monitoring result indicated a violation of TDS with a sample result of 570 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, 2016, a DMR monitoring result indicated a violation of NITRATE DAILY MAX with a sample result of 42.7 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.

On August 1, 2016, a DMR monitoring result indicated a violation of TDS with a sample result of 620 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 September 1, 2016, a DMR monitoring result indicated a violation of NITRATE DAILY MAX with a sample result of 34.1 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.

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**Facility: Oorah Catskill Retreat (continued)**

**SPDES Permit Exceedance(s)**

On September 1, 2016, 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.

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**

None.



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**Facility: Pine Hill (NYCDEP)**

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

**Comments**

None.

**Inspections**

On September 28, 2016, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

On December 23, 2016, 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.

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**Facility: Prattsville**

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

**Comments**

None.

**Inspections**

On September 8, 2016, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

On December 20, 2016, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

**SPDES Permit Exceedance(s)**

None.

**Enforcements**

None.

**Miscellaneous**

None.

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**Facility: Richardson Hill Road Landfill**

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

**Comments**

None.

**Inspections**

On December 21, 2016, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

**SPDES Permit Exceedance(s)**

None.

**Enforcements**

None.

**Miscellaneous**

None.

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

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

**Comments**

None.

**Inspections**

On September 29, 2016, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

On December 21, 2016, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

**SPDES Permit Exceedance(s)**

None.

**Enforcements**

None.

**Miscellaneous**

None.

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**Facility: Roxbury Lift Station**

<b>Basin</b>	<b>SPDES</b>	<b>Inspected</b>	<b>Seasonal WWTP</b>	<b>Report Sent to Owner</b>
Pepacton	RC0000008	Yes	No	No

**Comments**

None.

**Inspections**

On July 14, 2016, staff performed a Reconnaissance Inspection of the facility. All items inspected were found to be satisfactory.

On November 21, 2016, 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.

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

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

**Comments**

None.

**Inspections**

On December 28, 2016, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

**SPDES Permit Exceedance(s)**

On August 1, 2016, a DMR monitoring result indicated a violation of TEMPERATURE with a sample result of 82 Degrees Fahrenheit, exceeding the SPDES limit of 80 Degrees Fahrenheit. A Report of Noncompliance Event was filed with DEC/DEP. This was an instantaneous reading.

On October 1, 2016, a DMR monitoring result indicated a violation of FLOW EFFL DAILY AVG with a sample result of 0.902 MGD, exceeding the SPDES limit of 0.72 MGD. A Report of Noncompliance Event was filed with DEC/DEP. The operator believes it was due to a faulty flow meter.

On October 1, 2016, a DMR monitoring result indicated a violation of TEMPERATURE with a sample result of 81 Degrees Fahrenheit, exceeding the SPDES limit of 80 Degrees Fahrenheit. A Report of Noncompliance Event was filed with DEC/DEP. The operator increased make up flow.

On November 1, 2016, a DMR monitoring result indicated a violation of TEMPERATURE with a sample result of 120 Degrees Fahrenheit, exceeding the SPDES limit of 80 Degrees Fahrenheit. A Report of Noncompliance Event was filed with DEC/DEP. The operator replaced a faulty sensor.

On November 1, 2016, a DMR monitoring result indicated a violation of FLOW EFFL DAILY AVG with a sample result of 0.819 MGD, exceeding the SPDES limit of 0.72 MGD. A Report of Noncompliance Event was filed with DEC/DEP. The operator plans to re-route piping to alleviate.

On November 1, 2016, a DMR monitoring result indicated a violation of TEMPERATURE EXCURSION with a sample result of 405 min/day, exceeding the SPDES limit of 120 min/day. A Report of Noncompliance Event was filed with DEC/DEP. The operator replaced a faulty sensor.

On December 1, 2016, a DMR monitoring result indicated a violation of TEMPERATURE with a sample result of 82 Degrees Fahrenheit, exceeding the SPDES limit of 80 Degrees Fahrenheit. A Report of Noncompliance Event was filed with DEC/DEP. The operator plans to re-route piping to alleviate.

On December 1, 2016, a DMR monitoring result indicated a violation of FLOW EFFL DAILY AVG with a sample result of 0.73 MGD, exceeding the SPDES limit of 0.72 MGD. A Report of Noncompliance Event was filed with DEC/DEP. The facility engineer is investigating the anomalous reading.

**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.

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**Facility: Stamford**

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

**Comments**

None.

**Inspections**

On August 23, 2016, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

On October 24, 2016, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

**SPDES Permit Exceedance(s)**

None.

**Enforcements**

None.

**Miscellaneous**

None.

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**Facility: Tannersville (NYCDEP)**

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

**Comments**

None.

**Inspections**

On August 17, 2016, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

On October 5, 2016, 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.



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**Facility: Timber Lake (Camp)**

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

**Comments**

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

**Inspections**

On July 14, 2016, staff performed a Follow-up Inspection of the facility. All items inspected were found to be satisfactory.

On October 28, 2016, 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 main septic tank has a plywood cover which had blown off and the access was open. The opening is large and could be dangerous; rain and snow can enter. I put the plywood back in place, but it should be secured. Main tank has been pumped down to about the half way mark.'

**SPDES Permit Exceedance(s)**

None.

**Enforcements**

None.

**Miscellaneous**

None.

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

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

**Comments**

None.

**Inspections**

On September 23, 2016, staff performed a Quarterly Inspection. Items rated less than (S) satisfactory are indicated below:

Item: 'A10. SCADA and electronics' received a rating of Marginal with comments: 'Computer (old XP system) failed and new computer installed by contractor. New software installation pending. Plant run in batch mode and operating well. New flow meter installed.'

Item: 'E4. Effluent and Outfall Condition' received a rating of Marginal with comments: 'Outfall at stream bank not visible and buried under stream bed material. Fortunately, flow is not impeded at this time. Per NYSDEC and Army Corps of Engineers, operator may remove up to one yard of material from the stream bed/bank to open up the outfall using hand tools. Removed material should be deposited above the stream bed. Plant not flowing at time of inspection. Outfall sign in place.'

On December 7, 2016 RCI staff performed a Quarterly Inspection. Items rated less than (S) satisfactory are indicated below:

Item: 'A9. Flow Metering' received a rating of Unsatisfactory with comments: 'Vendor is in charge of calibrating the flow meter. New meter installed, final calibration pending since vendor has not been paid.'

Item: 'D5. Compressor' received a rating of Unsatisfactory with comments: 'Active maintenance contract. Units are operational but have limited lifespan per compressor vendor, starting to bypass oil. Suggested operator look into obtaining portable units to see if they can meet the CBUDSF and plant needs.'

**SPDES Permit Exceedance(s)**

None.

**Enforcements**

None.

**Miscellaneous**

None.

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**Facility: Walton**

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

**Comments**

None.

**Inspections**

On September 21, 2016, staff performed a Quarterly Inspection. Items rated less than (S) satisfactory are indicated below:

Item: 'A7. Influent Impact on operations' received a rating of Unsatisfactory with comments: 'Tertiary process experience periodic turbidity exceedances likely caused by something objectionable entering WWTP collection system. Operator continues collection system testing to determine exactly what is causing the problems in the CBUD units. Operator/operations management work should with village leadership to identify all chemicals utilized by industrial users discharging to the WWTP and formalize/update all sewer use agreements with industrial users.'

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: 'D7 CBUDSF' received a rating of Marginal with comments: '1 of 5 CBUDSF units impacted due to upset conditions. CBUDS presently ok, but have been in upset conditions on and off of late. Facility has recorded numerous turbidity violations. PLC units working well. First stage sand filters are air-lanced 2x/year, second stage sand filters are air-lanced 1x/year. Minimal chlorine odor, high dose periodically needed to meet high demand. Operator provided estimate to replace sand media within 2 trains to see if that can help with solids removal. Chemical dosing has been adjusted to combat solids issues. Pilot study planned to identify alternate sand filter media and chemical dose regimes.'

Item: 'E2. Effluent Condition' received a rating of Unsatisfactory with comments: 'Periodic turbidity violations still occurring due to plant upset conditions. Operator working on resolving + pilot study and sand replacement will hopefully help. Additional influent testing being performed and operator working with outside consultants on color issue. Suggest operator continue to stay in close communication with industrial users in an effort to identify source of color issue.'

On December 13, 2016, staff performed a Quarterly Inspection. Items rated less than (S) satisfactory are indicated below:

Item: 'A7. Influent Impact on operations' received a rating of Unsatisfactory with comments: 'Tertiary process experience periodic turbidity exceedances likely caused by something objectionable entering WWTP collection system. Operator continues collection system testing to determine exactly what is causing the problems in the CBUD units. Operator/operations management work should with village leadership to identify all chemicals utilized by industrial users discharging to the WWTP and formalize/update all sewer use agreements with industrial users. Village performing continuous monitoring at Kraft manhole. DEP provided auto samplers for the plant.'

Item: 'B2. Grit Removal' received a rating of Marginal with comments: 'Grit removal is being performed manually until the unit is repaired. Approximately 2 cubic yards/month. Plant working with engineer to form a plan to make the grit removal system operational again.'

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.'

Item: 'D7 CBUDSF' received a rating of Unsatisfactory with comments: '2 of 5 CBUDSF units and not always meeting permit due to upset conditions. CBUDS presently not performing as designed due to intermittent upset conditions. DEP working with plant management to replace sand in two filter trains to see if that helps. PLC units working well. First stage sand filters are air-lanced 2x/year, second stage sand filters are air-lanced 1x/year. Minimal chlorine odor, high dose periodically needed to meet high demand. Chemical dosing has been adjusted to combat solids issues with little result. Surpass and Slack chemical companies have been consulted to deal with chemical/dosage issue. Pilot study to assess sand gradation and chemical dosage was initiated. Flow diverted to pilot filter when turbidity exceeds 0.4 NTU.'

Item: 'E2. Effluent Condition' received a rating of Unsatisfactory with comments: 'Chronic turbidity violations due to plant upset conditions. Additional influent testing being performed and operator working with outside consultants on color issue.'

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**Facility: Walton (continued)**

**SPDES Permit Exceedance(s)**

On July 1, 2016, a DMR monitoring result indicated a violation of TIME TURBIDITY with a sample result of 12,590 minutes, exceeding the SPDES limit of 2,160 minutes.

On September 1, 2016, a DMR monitoring result indicated a violation of TIME TURBIDITY with a sample result of 3,583 minutes, exceeding the SPDES limit of 2,160 minutes.

On October 1, 2016, a DMR monitoring result indicated a violation of TIME TURBIDITY with a sample result of 10,530 minutes, exceeding the SPDES limit of 2,160 minutes.

On November 1, 2016, a DMR monitoring result indicated a violation of TIME TURBIDITY with a sample result of 2,472 minutes, exceeding the SPDES limit of 2,160 minutes.

A Report of Noncompliance Event was filed with DEC/DEP for the aforementioned violations. Plant effluent turbidity impacted by periodic upset conditions.

The preliminary, primary and secondary treatment processes have operated in a satisfactory manner, as evidenced by compliance with all wet chemistry and bacteriological SPDES parameters. The turbidity violations, while likely due to an unknown substance being introduced into the collection system, may be the result of an issue within the Continuously Backwashing Upflow Dual Sand Filter (CBUDSF) system. The facility, in concert with DEP, has commissioned a pilot study to define the appropriate media/gradation for current operation. Two standalone sand filters, functioning as a test second stage, have been connected to receive first stage filtered effluent. Two different sand sizes (7mm and 9mm) have been installed and each unit can adjust chemical addition to evaluate the effectiveness of the changes on effluent turbidity. The key will be to test the pilot when the plant is under significant upset condition again. At this point, the sand filter pilot has run intermittently. The treatment process has stabilized and turbidity readings have been compliant. The pilot system will operate for as long as necessary to determine whether or not filter media and revised chemical addition can address the chronic turbidity issue. Results from the pilot study and plans for sand filter media replacement will be available on the next semi-annual deliverable.

**Enforcements**

NYSDEC issued an NOV on April 4, 2016. The condition of several treatment units (aeration tanks, grit removal, secondary clarifiers, CBUDSF, chemical usage) and the duration of turbidity violations were cited. Delaware Operations submitted a detailed response to the NOV on April 27, 2016, citing numerous process control adjustments and capital repair/replacement estimates.

The Village conducted testing within the collection system and found toxicity; NYSDEC requested that the Village track down industrial users which may be a potential source. In June 2016, NYSDEC prepared a legal referral but will hold until the results of the Village's inspections of industrial users are completed and determine next steps.

NYSDEC submitted a compliance request to the Village, dated November 17, 2016. The most notable requirements were as follows: A sand filter pilot testing protocol, a revised sewer use agreement with all significant industrial users and a schedule for installation of grit removal equipment. The facility consultant submitted a response, dated January 12, 2017.

**Miscellaneous**

None.

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**Facility: Windham**

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

**Comments**

None.

**Inspections**

On September 23, 2016, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

On December 20, 2016, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

**SPDES Permit Exceedance(s)**

None.

**Enforcements**

None

**Miscellaneous**

On August 23, 2016, a DEP laboratory sample indicated a Giardia positive sample with a value of 1. There was no malfunction of the filtration process or chemical addition system and no turbidity spikes recorded. There were no mechanical or process abnormalities that could have led to the positive detection. A daily turbidity report was obtained for that day which shows 24 samples on an hourly basis. The computer actually obtains samples every minute and prints one per hour. All readings were well under the SPDES instantaneous limit of 5.0 NTU and within the 0.5 NTU limit for 95% of the time.

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**Facility: Carmel Sewer District #2**

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

**Comments**

DEP has entered into an agreement with New York State Environmental Facilities Corporation (EFC) to administer a program to address the DEP's obligations under the NYC Watershed Memorandum of Agreement (MOA) to pay costs for replacing capital equipment installed as part of the RUP. The Carmel Sewer District #2 WWTP has been identified as a priority facility under this capital replacement program; the long term corrective action will include a modernized microfiltration process.

DEP has continually provided funding for all microfiltration operation and repair; the existing microfiltration units consistently produce a high quality effluent.

**Inspections**

On August 23, 2016, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

On November 16, 2016, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

**SPDES Permit Exceedance(s)**

None.

**Enforcements**

None.

**Miscellaneous**

The Carmel Sewer District #2 WWTP experienced a sewage overflow from its collection system on August 9, 2016, that was not entirely contained; water quality, however, was not impacted. The operator responded to a manhole overflow at the intersection of Fowler Avenue and Route 301 near Lake Gleneida, but the spill was estimated to be approximately 150 gallons and did not make it to the lake shore. The manhole which overflowed was located, and the area was pumped and limed and the blockage cleared.

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**Facility: Clear Pool Camp**

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

**Comments**

None.

**Inspections**

On September 6, 2016, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

On December 6, 2016, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

**SPDES Permit Exceedance(s)**

None.

**Enforcements**

None.

**Miscellaneous**

None.

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

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

**Comments**

None.

**Inspections**

On September 12, 2016, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

On December 14, 2016, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

**SPDES Permit Exceedance(s)**

None.

**Enforcements**

None.

**Miscellaneous**

None.



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**Facility: Kent Manor Condominiums**

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

**Comments**

None.

**Inspections**

On September 21, 2016, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

On December 15, 2016, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

**SPDES Permit Exceedance(s)**

None.

**Enforcements**

None.

**Miscellaneous**

None.

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**Facility: Lewisboro Elementary School**

<b>Basin</b>	<b>SPDES</b>	<b>Inspected</b>	<b>Seasonal WWTP</b>	<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 September 29, 2016, staff performed a Quarterly Inspection of the facility. The school remains closed.

On December 21, 2016, staff performed a Quarterly Inspection of the facility. The school remains closed.

**SPDES Permit Exceedance(s)**

None.

**Enforcements**

None.

**Miscellaneous**

None.

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**Facility: Mahopac (NYCDEP)**

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

**Comments**

None.

**Inspections**

On July 14, 2016, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

On October 25, 2016, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

**SPDES Permit Exceedance(s)**

On July 1, 2016, a DMR monitoring result indicated a violation of TEMPERATURE with a sample result of 74 degrees Fahrenheit, exceeding the SPDES limit of 70 degrees Fahrenheit. A Report of Noncompliance Event was filed with DEC/DEP.

On August 1, 2016, a DMR monitoring result indicated a violation of TEMPERATURE with a sample result of 77 degrees Fahrenheit, exceeding the SPDES limit of 70 degrees Fahrenheit. A Report of Noncompliance Event was filed with DEC/DEP.

On September 1, 2016, a DMR monitoring result indicated a violation of TEMPERATURE with a sample result of 75 degrees Fahrenheit, exceeding the SPDES limit of 70 degrees Fahrenheit. A Report of Noncompliance Event was filed with DEC/DEP.

Effluent temperature was caused by high ambient temperature. All remaining wet chemistry and bacteriological values for the period were in compliance with SPDES parameters.

**Enforcements**

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

**Miscellaneous**

None.

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**Facility: Meadows at Cross River Condominiums**

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

**Comments**

None.

**Inspections**

On July 12, 2016, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

On October 6, 2016, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

**SPDES Permit Exceedance(s)**

None.

**Enforcements**

None.

**Miscellaneous**

None.

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**Facility: Michelle Estates Realty Subdivision**

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

**Comments**

None.

**Inspections**

On July 29, 2016, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

On November 29, 2016, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

**SPDES Permit Exceedance(s)**

None.

**Enforcements**

None.

**Miscellaneous**

None.

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

<b>Basin</b>	<b>SPDES</b>	<b>Inspected</b>	<b>Seasonal WWTP</b>	<b>Report Sent to Owner</b>
Kensico	RC0000002	Yes	No	No

**Comments**

None.

**Inspections**

DEP conducted reconnaissance inspections throughout the third and fourth quarter of 2016 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.

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**Facility: Waccabuc Country Club**

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

**Comments**

None.

**Inspections**

On September 8, 2016, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

On December 13, 2016, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

**SPDES Permit Exceedance(s)**

None.

**Enforcements**

None.

**Miscellaneous**

None.

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**Facility: West Lake Sewer Extension**

<b>Basin</b>	<b>SPDES</b>	<b>Inspected</b>	<b>Seasonal WWTP</b>	<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 2016 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.