

***NEW YORK CITY DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WATER SUPPLY***

**Wastewater Treatment Plant Compliance Inspection Reports
Summary – 3rd Quarter 2011**

October 26, 2011

*Prepared in accordance with Section 6.2 of the November 2007 United States
Environmental Protection Agency Filtration Avoidance Determination*

*Summary of SPDES compliance inspections of East-of-Hudson and West-of-Hudson
Wastewater Treatment Plants*

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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 1900 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 chiefly 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 within the watershed.

To maintain and continue to provide a safe drinking water supply, the New York City Department of Environmental Protection (DEP) has taken a leadership role in upgrading, and encouraging other communities within the watershed to upgrade 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 wastewater treatment plants that are located within the watershed. The WWTP's in the watershed vary greatly in size and treatment levels, 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 an ambitious program of inspecting all wastewater facilities within the watershed on a quarterly basis. In addition, DEP has expanded its sampling program to include 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-monitoring effluent readings establishes patterns of compliance. DEP uses the results of the sampling 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. For example, following a DEP inspection of a treatment facility which was having difficulty meeting its phosphorus limits, DEP technical staff recommended that the operator vary the install of a baffle around its settling tank. Within two weeks of this adjustment, the plant was able to meet its phosphorus limit. As a result of the inspection, 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.

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Regular inspections will also 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 will 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, involved with the inspections, have familiarized themselves with their assigned facilities by developing process flow schematics and obtaining as-built drawings and operation and maintenance manuals, where possible. Self-monitoring 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 quarter of 2011. 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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NYC Watershed Rules & Regulation - WWTP Upgrades

Wastewater Treatment Plant Compliance and Inspection's (WWTPCI) Role:

WWTPCI is responsible for the design plan and specification review and approval of all WWTP upgrades to include all surface and subsurface WWTP conversions to strictly subsurface disposal; SPDES upgrade plans and enhanced ultra-violet disinfection projects. WWTPCI also plays a role in conducting the initial request for proposal (RFP) review in determining the engineer's qualification and scope of work. WWTPCI is responsible for drafting the preliminary engineer's scope of work (PESW), which outlines the basic requirements, needed to satisfy the NYC Watershed Rules and Regulations (WR&R). WWTPCI reviews all facility plans, conceptual upgrade plans, proposed upgrade plans, and final upgrade plans along with the preliminary and final specifications. After the project is approved and bid out, WWTPCI staff performs regular construction inspections to confirm that the project is being built according to the plans and specifications. WWTPCI meets with the contractor, owner and project engineer on a regular scheduled basis. WWTPCI staff is also involved in the O&M review and negotiations, functional completion phase, startup and performance-testing phase and final "punch-list" walk-through phase.

New York State Environmental Facilities Corporation Role:

The New York State Environmental Facilities Corporation (NYSEFC) has been contracted by the City to negotiate the SPDES and Regulatory Upgrade contract with the WWTP owner or representative(s). NYSEFC will also act as facilitators, that is, reviewing conceptual, proposed and final WWTP upgrade plans, recommending plans for approval, assisting in the selection of an engineer, assisting in bidding, disbursing funds, conducting construction inspections, addressing legal concerns and performing related filing and documentation.

Upgrade Milestones:

The first stage of any upgrade is the report stage or Facility Plan (FP) stage. Once approval by the DEP is granted for the Facility Plan, a detailed design would commence. The first draft of the project is called the Conceptual Upgrade Plan (CUP) stage. The detailed design along with the facility plan together creates the Proposed Upgrade Plan (PUP), which is considered the 65% drawing phase. The PUP is carefully reviewed concurrently by the DEP and NYSEFC. Comments are gathered and forwarded to the facility for addressing. The facility engineer would be directed to work on the 100% drawings or Final Upgrade Plan (FUP). The 100% drawings are reviewed by the DEP, NYSEFC, NYSDEC and any other involved agency. After the formal approval by the DEP and NYSDEC of the 100% drawings of the Final Upgrade Plan (FUP) the project goes out to bid for construction. After construction is fully completed, the engineer certifies that the WWTP is functionally complete and hence the Start-up and Performance Testing (SPT) commences. DEP and NYSEFC project representatives conduct a final inspection walkthrough with the engineer to confirm that the WWTP is functionally complete. The SPT period runs for 6 months, as stated on the WWTP's interim SPDES permit. After the six-month period ends, the WWTP operates on its final SPDES permit limits. The project is fully closed out after receipt of and approval of final Operation and Maintenance manuals and Record drawings by the DEP.

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Facility: Andes (T) WWTP

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

Comments

None.

Inspections

On September 30, 2011, staff performed a Quarterly Inspection. Items rated less than (S) satisfactory are indicated below:

Item: 'B1. Influent Channel' received a rating of Marginal with comments: 'Influent flow channel jetted as routine O&M. To be redesigned with upgrade.'

Item: 'D2. DynaSand Filters' received a rating of Marginal with comments: 'Units air lanced monthly. The filtrate line has restricted flow due to design. These units will be eliminated with the upgrade design.'

Item: 'D3. Microfiltration' received a rating of Marginal with comments: ' A sample obtained by the DEP on September 15, 2011 showed a positive detection for Giardia with a value of 2 cysts. Recent bypass of units during Hurricane Irene may have caused a positive detection. These units have periodic damage to fittings and manifold causing leaks. The operators have covered the units with tarps to avoid water damage to adjacent equipment. The membrane cartridges have been replaced and they still experience high TMP during operation. The built-in heating elements have been replaced with a separate hot water heater for the CIP solution. A screen was added to the influent piping. These units will be eliminated with the upgrade design.'

SPDES Permit Exceedance(s)

None

Enforcements

None.

Miscellaneous

On July 01, 2011, staff received the Facility/Capital Improvement Plan from Cedarwood Engineering for the Andes WWTP. DEC/DEP issued an approval of the capital improvement plan on August 16, 2011; the next consent order milestone is approvable drawings and specifications by October 17th.

On August 9, 2011, staff received a call from the plant operator. Microfilter #2 experienced another broken fitting; the unit was repaired and placed back into service the following day.

On August 23, 2011, staff contacted facility regarding potential damage associated with minor earthquake. No damage noted.

On August 29, 2011, staff contacted facility regarding potential damage associated with Hurricane Irene. Hydraulic overload to the facility. Bypass of secondary and tertiary equipment initiated, expected to be back online 08/30/2011. All UV systems online.

On August 30, 2011, staff was contacted by plant operators. All plant equipment has been returned to service and functional.

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Facility: Ashland

Basin	SPDES	Inspected	Seasonal WWTP	Report Sent to Owner
Schoharie	NYS012345	Yes	No	No

Comments

None.

Inspections

On September 19, 2011, staff performed a Reconnaissance Inspection of the facility. The WWTP itself sustained no apparent damage from the Hurricane; however, the access bridge to the facility has been significantly damaged and is not passable. The WWTP has achieved functional completion; installation of the collection system is underway. No wastewater has been conveyed to the treatment plant.

On September 29, 2011, staff performed a Reconnaissance Inspection of the facility. Bridge is still damaged, reconstruction has not yet commenced.

SPDES Permit Exceedance(s)

None.

Enforcements

None.

Miscellaneous

On September 01, 2011, staff was informed that the Ashland WWTP sustained no hurricane damage. The facility is currently offline as lateral connections are installed.

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Facility: Boiceville (v) WWTP

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

Comments

None.

Inspections

On August 17, 2011, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

On September 03, 2011, staff performed a post-hurricane Reconnaissance Inspection of the facility. Operator stated that sand filter control panels and compressor were severely damaged and inoperable. Operator indicated that repairs would have to wait for insurance adjuster evaluation.

SPDES Permit Exceedance(s)

On August 31, 2011, a DEP sample indicated an exceedance of Solids - Suspended with a sample result of 15.4 mg/l, exceeding the SPDES parameter limit of 10.0 mg/l. This exceedance was the result of hydraulic overload caused by Hurricane Irene.

Enforcements

None.

Miscellaneous

On August 29, 2011, staff contacted facility regarding potential damage associated with Hurricane Irene. The WWTP survived without any structural damage; water levels did reach the main floor level of the building. Through the storm, the facility experienced a full bypass of the tertiary treatment process (sand and micro filtration); the wastestream/flood water was diverted into an off-line SBR and discharged through the UV disinfection process. The in-service SBR was isolated in an attempt to maintain its biology and properly return the plant to normal operation once the water receded. The operator successfully maintained the biology within the SBR; the wastestream was diverted back through the SBR and secondary treatment was fully restored on 08/31/2011. The sand filter air compressor and control boxes that provide the air lift for the filtration process were submerged and damaged by the flood. Once the water receded and the affected area was pumped clean, the operator allowed the panels to dry out; they will attempt to energize these units and restore sand filter operation today. If unsuccessful, they can temporarily connect the sludge press compressor to provide air flow to the unit; a later conversation will be held to discuss permanent operation of the filter. The effluent from the SBR has a recorded turbidity of 8.0 Nephelometric Turbidity Units (NTU); the microfiltration units can process a wastestream with readings as high as 30 NTU. DEP advised LVDV that proper operation of and protection for the microfiltration units require flow through a sand filter; they should not attempt to divert flow to these units until the sand filters are functional. The facility was back on utility power as of 08/31/2011.

On September 06, 2011, staff notified that one sand filter capable of handling the entire plant flow was operating in manual mode with air and coagulant addition bypassing the control panels. Air is being supplied through an alternate compressor. Microfilters were brought online immediately thereafter making facility fully operational. This is a temporary solution until the sand filter manufacturer can get onsite and expedite repair and/or replacement of the damaged equipment.

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Facility: Chichester (H) SSTS

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

Comments

None.

Inspections

On August 10, 2011, 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: 'Sign for facility contact information that was originally posted next to the door no longer in place, sign should be replaced. Also an additional sign below the high level alarm light indicating the lights purpose should be posted.'

Item: 'A7. Influent Impact on operations' received a rating of Unsatisfactory with comments: 'Hydraulic overloads that are a chronic issue remain unresolved. A visual inspection of the collection system was conducted, no apparent issues noted.'

SPDES Permit Exceedance(s)

None.

Enforcements

None.

Miscellaneous

None.

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Facility: Delaware BOCES WWTP

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

Comments

None.

Inspections

On July 20, 2011, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

On July 20, 2011, staff performed a Reconstruction Inspection of the facility pertaining to the installation of the unit process covers for the equalization tank, sequential batch reactor and sludge holding tank. Removal of the old covers is complete and all debris removed. New covers unwrapped and prepped for installation. Facility operator will notify DEP when a firm construction schedule becomes available.

On September 27, 2011, staff performed a Reconstruction Inspection of the facility. Fiberglass covers to protect the clear well, sludge holding tank, sequential batch reactors and equalization tank from the elements were installed correctly. The quality of the installation appears very good. These covers will protect the exposed tanks from adverse environmental conditions and allow the facet to operate reliably while also maintaining the highest quality effluent.

SPDES Permit Exceedance(s)

None.

Enforcements

None.

Miscellaneous

On August 23, 2011, staff contacted facility regarding potential damage associated with minor earthquake. No damage noted.

On August 29, 2011, staff contacted facility regarding potential damage associated with Hurricane Irene. High flows being processed normally.

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Facility: Delhi (V) WWTP

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

Comments

None.

Inspections

On August 9, 2011, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

SPDES Permit Exceedance(s)

None.

Enforcements

None.

Miscellaneous

On August 23, 2011, staff contacted facility regarding potential damage associated with minor earthquake. No damage noted.

On August 29, 2011, staff contacted facility regarding potential damage associated with Hurricane Irene. High flows being processed normally.

On September 06, 2011, staff contacted facility to see if recent rain had a negative effect on facility. No effects noted.

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Facility: Elka Park WWTP

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

Comments

None.

Inspections

On August 24, 2011, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

SPDES Permit Exceedance(s)

None.

Enforcements

None.

Miscellaneous

On August 23, 2011, staff contacted facility regarding potential damage associated with minor earthquake. No damage noted.

On August 29, 2011, staff contacted facility regarding potential damage associated with Hurricane Irene. High flows being processed normally, WWTP on generator power.

On September 06, 2011, staff contacted facility to see if recent rain had a negative effect on facility. No effects noted.

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Facility: Fleischmanns (V) WWTP

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

Comments

None.

Inspections

On August 30, 2011, staff performed a Reconnaissance Inspection of the facility. Facility fully operational; operator assessing damage to collection system which appears significant.

On August 31, 2011, staff performed a Reconnaissance Inspection of the collection system for this facility. Significant damage noted, operator working on system evaluation and repair. Limited access due to recovery effort.

On September 06, 2011, staff performed a Reconnaissance Inspection of the collection system for this facility. Operator continuing system evaluation and repair. Limited access due to recovery effort.

On September 13, 2011, staff performed a Quarterly Inspection. Items rated less than (S) satisfactory are indicated below:
Item: 'A7. Collection system/Influent impact' received a rating of Marginal with comments: 'Hurricane Irene damage to collection system significant, repairs expedited and assessment continues. Protein powder currently being added to influent due to reduced post summer loading. Soda ash in block form added to influent (in channel) to augment alkalinity. MgOH addition is fully implemented. Auger brushes replaced. New bar screen added to protect auger.'

On September 13, 2011, staff performed a Reconnaissance Inspection of the collection system for the facility associated with damage from Hurricane Irene. Debris filled manhole and adjacent lines on Emery Street vacuumed and jetted. Three open laterals on Depot Street repaired. The two inch low pressure force main on Mill Street inspected, several homes destroyed however lift stations and main line found to be in good condition. Operator planning to pressure test this line and smoke test the rest of the system.

On September 20, 2011, staff performed a Reconnaissance Inspection of the collection system for this facility. DEP vector trucks were onsite and vacuumed/jetted the Depot Street Pump Station.

SPDES Permit Exceedance(s)

None.

Enforcements

None.

Miscellaneous

On August 23, 2011, staff contacted facility regarding potential damage associated with minor earthquake. No damage noted.

On August 29, 2011, staff contacted facility regarding potential damage associated with Hurricane Irene. Plant experiencing massive hydraulic overload, reject wet well overflowing, effluent turbidity in compliance, aeration tank biomass gone, chlorine levels (disinfection) being maintained. Operator reported collection system under water, fatalities reported in Fleischmann's.

On August 31, 2011, staff contacted facility regarding plant status following Hurricane Irene. Manholes and pipe sections filled with debris were jetted and flowing. Collection system will need testing to determine its integrity.

On September 09, 2011, a Report of Noncompliance Event was filed with DEC/DEP, for an event's occurring on 08/29/2011. Low effluent pH as a result of Hurricane Irene was reported, subsequent pH back to normal as flow abated.

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Facility: Friesland Campina - DOMO (Cooling Water)

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

Comments

None.

Inspections

None.

SPDES Permit Exceedance(s)

None.

Enforcements

None.

Miscellaneous

None.

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Facility: Grahamsville (V) WWTP

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

Comments

None.

Inspections

On August 2, 2011, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

SPDES Permit Exceedance(s)

On July 6, 2011, a DEP sample indicated an exceedance of CBOD5 with a sample result of 6.2 mg/l, exceeding the SPDES parameter limit of 5.0 mg/l. The plant self-monitoring data indicates full compliance with their SPDES parameters. There were no operational issues that led to this result.

Enforcements

None.

Miscellaneous

On August 23, 2011, staff contacted facility regarding potential damage associated with minor earthquake. No damage noted.

On August 29, 2011, staff contacted facility regarding potential damage associated with Hurricane Irene. High flows being processed normally, WWTP on generator power.

On September 06, 2011, staff contacted facility to see if recent rain had a negative effect on facility. No effects noted.

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Facility: Grand Gorge (V) WWTP

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

Comments

None.

Inspections

On August 3, 2011, staff performed a Quarterly Inspection. Items rated less than (S) satisfactory are indicated below:

Item: 'A1. Buildings and Grounds' received a rating of Marginal with comments: 'Leaks in roof can drip onto electronic and electrical controls rendering the processes they are related to inoperative causing potential plant problems. Leaks should be addressed.'

Item: 'A8. Preventative Maintenance' received a rating of Marginal with comments: 'The #1 drainage wet well pump to the primary splitter box is still out of service and has been for over three years now. The lock-out / tag- out date on the unit reads 2/27/2008. The motor still needs to be replaced.'

SPDES Permit Exceedance(s)

None.

Enforcements

None.

Miscellaneous

On August 23, 2011, staff contacted facility regarding potential damage associated with minor earthquake. No damage noted.

On August 29, 2011, staff contacted facility regarding potential damage associated with Hurricane Irene. High flows being processed normally, WWTP on generator power.

On September 06, 2011, staff contacted facility to see if recent rain had a negative effect on facility. No effects noted.

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Facility: Hanah Country Club WWTP

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

Comments

None.

Inspections

On September 01, 2011, staff performed a Reconnaissance Inspection of the facility. No hurricane damage noted, facility functioning properly.

On August 18, 2011, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

SPDES Permit Exceedance(s)

None.

Enforcements

None.

Miscellaneous

On August 23, 2011, staff contacted facility regarding potential damage associated with minor earthquake. No damage noted.

On August 29, 2011, staff attempted contact with facility owners/operator regarding potential damage associated with hurricane Irene. No damage noted.

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Facility: Hobart (V) WWTP

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

Comments

None.

Inspections

On September 12, 2011, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

SPDES Permit Exceedance(s)

None.

Enforcements

None.

Miscellaneous

On August 23, 2011, staff contacted facility regarding potential damage associated with minor earthquake. No damage noted.

On August 29, 2011, staff contacted facility regarding potential damage associated with Hurricane Irene. High flows being processed normally.

On September 06, 2011, staff contacted facility to see if recent rain had a negative effect on facility. No effects noted.

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Facility: Hunter (V) WWTP

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

Comments

None.

Inspections

On September 12, 2011, staff performed a Reconnaissance Inspection of the Liftside and Colonels Chair lift stations. No overflows noted.

On September 14, 2011, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

On September 14, 2011, staff performed a Reconnaissance Inspection of the collection system to survey progress of the restoration work of the damage caused by Hurricane Irene. Two DEP owned vactor Trucks pumped out the Colonel Chair, Liftside and the WWTP influent pump stations. All of the pump stations are working with full utility power. The collection system had only minor problems and is in complete working condition. The WWTP is working well and meeting their limits. The effluent turbidity was 0.094 NTU's.

On September 19, 2011, staff performed a Reconnaissance Inspection of the collection system for the facility. Collection system remains intact. Storm drainage system in the village was being cleaned with vactor trucks.

SPDES Permit Exceedance(s)

None.

Enforcements

None.

Miscellaneous

On August 23, 2011, staff contacted facility regarding potential damage associated with minor earthquake. No damage noted.

On August 29, 2011, staff contacted facility regarding potential damage associated with Hurricane Irene. Facility on generator power, experiencing hydraulic overload, no overflows/bypasses reported. Several pump stations completely flooded.

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Facility: Hunter Highlands WWTP

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

Comments

None.

Inspections

On August 17, 2011, staff performed a Quarterly Inspection. Items rated less than (S) satisfactory are indicated below:

Item: 'B2.Lagoon Pumps' received a rating of Marginal with comments: 'Main pump failed and is going out for repair, secondary pump operational.'

SPDES Permit Exceedance(s)

On August 10, 2011, a DEP laboratory sample indicated an exceedance of Dissolved Oxygen with a sample result of 6.4 mg/l, exceeding the SPDES parameter limit of 7.0 mg/l. The plant self-monitoring data indicates full compliance with their SPDES parameters. There were no operational issues that led to this result.

Enforcements

None.

Miscellaneous

On August 06, 2011, a Report of Noncompliance Event was filed with DEC/DEP, for an event occurring on 08/2011. A low BOD percent removal was reported due to very low influent BOD concentration. Effluent BOD concentrations were below SPDES limitations.

On August 23, 2011, staff contacted facility regarding potential damage associated with minor earthquake. No damage noted.

On August 29, 2011, staff contacted facility regarding potential damage associated with Hurricane Irene. Facility on generator power, experiencing hydraulic overload, no overflows/bypasses reported.

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Facility: Kraft Dairy (Cooling Water)

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

Comments

None.

Inspections

None.

SPDES Permit Exceedance(s)

None.

Enforcements

None.

Miscellaneous

None.

NYCDEP WWTP Inspection Program
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Facility: L'man Achai (Camp) WWTP

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

Comments

None.

Inspections

On July 12, 2011, staff performed a Quarterly Inspection. Items rated less than (S) satisfactory are indicated below:

Item: 'D4. Microfilter' received a rating of Unsatisfactory with comments: 'Unit A working OK, Unit B down, compressors not operational and need replacement. Temporary compressor in use. One skid down due to technical malfunction. PALL service staff onsite at time of inspection doing repairs, one filter handling flow OK.'

Item: 'D5. Compressors' received a rating of Unsatisfactory with comments: 'Both compressors down with faulty head units, this is the second set of compressors to have failed. Operator working with contractor to specify a compressor better suited to the application.'

SPDES Permit Exceedance(s)

None.

Enforcements

None.

Miscellaneous

On August 23, 2011, staff contacted facility regarding potential damage associated with minor earthquake. No damage noted.

On August 29, 2011, staff contacted facility regarding potential damage associated with Hurricane Irene. High flows being processed normally.

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Facility: Machne Tashbar (camp)

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

Comments

None.

Inspections

On August 24, 2011, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

SPDES Permit Exceedance(s)

None.

Enforcements

None.

Miscellaneous

On August 23, 2011, staff contacted facility regarding potential damage associated with minor earthquake. No damage noted.

On August 29, 2011, staff contacted facility regarding potential damage associated with Hurricane Irene. No problems reported, operator will inform DEP if any problems arise.

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Facility: Margaretville (V) WWTP

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

Comments

None.

Inspections

On August 30, 2011, staff performed a Reconnaissance Inspection of the facility. Performed fully facility assessment related to Hurricane Irene damage. Significant flooding in influent building and moderate flooding in control building, chemical building and microfiltration buildings. Facility on full bypass, storing influent in overflow lagoons.

On August 31, 2011, staff performed a Reconnaissance Inspection of the facility. Performed a full collection system assessment. Significant damage to Bridge Street area and Arkville collection system on Main Street and Pavilion Street. Structures wrested from their foundations resulted in open laterals which are being repaired. Facility brought back online approximately 2:30 pm; microfilters were being tested but not yet operational.

On September 01, 2011, staff performed a Reconnaissance Inspection of the facility. Facility fully operational, microfilters are functional and producing high quality effluent readings.

On September 13, 2011, staff performed a Reconnaissance Inspection of the collection system for this facility. Operator planning TV evaluation of the system. Bridge street sewers operational and cleaned. Main sewer trunk lines jetted. Lines at Chris Long Road jetted.

On September 15, 2011, staff performed a Reconnaissance Inspection of the collection system for this facility. Repairs on Rt. 28 and Pavilion Street continue. DEP resources/staff onsite to assist the village.

On September 16, 2011, staff performed a Reconnaissance Inspection of the collection system for the facility. WWTP operations staff continues to assess the system for hurricane induced damage. TV system evaluation equipment onsite, planned for use the following week. Operators also planning smoke testing of the collection system. Extensive work being performed around the collection system as part of the recovery effort. Aside from the damage to the Bridge Street and Pavilion Road section, the majority of the collection system remains structurally intact.

On September 16, 2011, staff performed a Quarterly Inspection. Items rated less than (S) satisfactory are indicated below:

Item: 'A3. Process Control Systems/Panels' received a rating of Marginal with comments: 'The potential damage to the portable uninterruptible power supplies (UPS) placed on the floor that has been continuously pointed out over last year became a reality with the hurricane Irene flooding at the WWTP. UPS's in areas that received only several inches of flooding (that now need to be replaced) could have been protected had they been placed on raised pedestals.'

Item: 'A5. Alarm Systems' received a rating of Marginal with comments: 'All air monitoring alarms in influent building damaged by flooding. Portable units in use. Fire alarm repairs completed. Fire suppression system for gasoline pumps installed.'

Item: 'A7. Collection System/Influent Impact' received a rating of Marginal with comments: 'Significant damage to Bridge Street and Pavilion Road section of collection system due to hurricane damage. Damaged areas isolated to minimize I&I. Lines and manholes vacuumed and jetted as necessary. Normal flow to WWTP at time of inspection. Collection system needs further assessment via TV evaluation and smoke testing which is being planned. Surge tank utilized to good effect during recent high flow events, working very well. Trident valve to be rehabilitated due to flood damage.'

Item: 'A9. Flow Metering' received a rating of Marginal with comments: 'New sensor at influent to replace flood damaged one. Calibration needs confirmation.'

Item: 'B2. Grit Removal' received a rating of Marginal with comments: 'One unit working as designed. Second unit does not operate automatically, damaged wiring due to flood-repairs planned.'

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Facility: Margaretville (V) WWTP (continued)

Item: 'B3. Comminutor' received a rating of Marginal with comments: '1 motor running normally. Second unit motor damaged due to flooding, motor to be repaired.'

Item: 'E5. Plant Process Water System' received a rating of Marginal with comments: 'Damaged during flooding, set up to operate temporarily, but significant damage to system remains. New system being ordered.'

Item: 'F5. Septage Station' received a rating of Marginal with comments: 'Some damage to septage station wiring, repairs underway. WWTP previously taking 500 - 2000 gallon loads up to three times per week.'

On September 20, 2011, staff performed a Reconnaissance Inspection of the collection system for this facility. Operator continuing collection system assessment and repairs.

On September 29, 2011, staff performed a Reconnaissance Inspection of the collection system for this facility. Operator continuing collection system assessment and repairs.

SPDES Permit Exceedance(s)

On August 16, 2011, a DEP laboratory sample indicated an exceedance of Phosphorous with a sample result of 0.563 mg/l, exceeding the SPDES parameter limit of 0.5 mg/l. The plant self-monitoring data indicates full compliance with their SPDES parameters. There were no operational issues that led to this result. The WWTP Compliance and Inspection Group do not conduct enforcement on city-owned plants.

Enforcements

None.

Miscellaneous

None.

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Facility: Morningstar/Ultra Dairy, Non-Contact Cooling Water

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

Comments

None.

Inspections

None.

SPDES Permit Exceedance(s)

None.

Enforcements

None.

Miscellaneous

None.

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Facility: Mountain View Estates

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

Comments

None.

Inspections

On September 19, 2011, staff performed a Quarterly Inspection. Items rated less than (S) satisfactory are indicated below:

Item: 'A3. Safety (Training Equipment)' received a rating of Marginal with comments: 'The overhead steel I- Beam supporting the hoist that is used to lift out the membrane cartridges has not been repositioned yet. This needs to be rectified so that the membranes can be serviced without damaging them. Engineer has been contacted by WWTP operator regarding this and is unresponsive. Suggest operator follow through with engineer so that a plan of action can be developed.'

Item: 'D1. Zenon Anoxic zone' received a rating of Marginal with comments: 'There are a couple of slight leaks on the steel SBR tank at the location of the welded seams on both sides of the anoxic zone. Zenon wanted the operators to empty the tank and take photos of the weld from the inside. They have done that and forwarded them to Zenon. The inside of that tank is not coated. The only tank that is coated was the digester tank. No repairs have been performed yet.'

Item: 'F3. Sludge Pump' received a rating of Marginal with comments: 'Leaking has been repaired several times, seals constantly wear and some threads are damaged. Operator looking into replacing the leaking pump.'

SPDES Permit Exceedance(s)

None.

Enforcements

None.

Miscellaneous

On August 23, 2011, staff contacted facility regarding potential damage associated with minor earthquake. No damage noted.

On August 29, 2011, staff contacted facility regarding potential damage associated with Hurricane Irene. High flows being processed normally.

NYCDEP WWTP Inspection Program
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October 2011

Facility: Mountainside Farms-Worcester Creameries (Lagoon)

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

Comments

None.

Inspections

On August 1, 2011, staff performed a Quarterly Inspection. Items rated less than (S) satisfactory are indicated below:
Item: 'C5 UV' received a rating of Marginal with comments: 'Foam present in the influent trough. Both units being used in series. UV unit "A" showing only 0.9 mw/cm2 with 3249 running hours. Unit "B" showing only 2.1 mw/cm2 with 4337 running hours.'

SPDES Permit Exceedance(s)

None.

Enforcements

The facility is currently under a DEC consent order; a full plant modification is in design.

Miscellaneous

This facility has chronic issues with the existing treatment process; the operator aggressively adjusts process and coagulant as much as possible, but the system responds slowly.

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Facility: Oh-Neh-Tah (Camp) WWTP

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

Comments

None.

Inspections

On July 13, 2011, staff performed a Quarterly Inspection. Items rated less than (S) satisfactory are indicated below:

Item: 'D2. Mixer / Flocc tank' received a rating of Marginal with comments: 'Phosphorous removal panel alarm light was on. Mixer Blade was not operating and alarm light was on. I notified the electrician who was present on site to check the transformers and pump station pumps.'

Item: 'D3. Clarifier' received a rating of Marginal with comments: 'In service and the effluent looks good. Level of water going over the weir looks too high.'

On July 13, 2011, staff performed an Upgrade Inspection. Gate at entrance is not aligned and can't be locked. Grass is planted and growing. Blacktop complete, landscaping underway. Transformers need to be replaced as per Brunswick Electric. They were incorrectly specified and are supplying a reduced voltage to the pumps at the lower section. Mixer for flocc tank not working; possible motor problem.

On August 24, 2011, staff performed a Compliance Inspection. All items inspected were found to be satisfactory.

SPDES Permit Exceedance(s)

None.

Enforcements

None.

Miscellaneous

On August 03, 2011, staff performed an Upgrade Inspection. The design engineer, Mark Catalano, issued the certificate of substantial completion in early June, although there are a number of punch list items not completed. This certificate starts the warranty periods and does not release the contractor from completing the punch list according to wording on the document.

On August 23, 2011, staff contacted facility regarding potential damage associated with minor earthquake. No damage noted.

On August 29, 2011, staff contacted facility regarding potential damage associated with Hurricane Irene. High flows being processed normally.

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Facility: Olive Woods (Woodstock Percussion) WWTP

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

Comments

None.

Inspections

On September 23, 2011, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

SPDES Permit Exceedance(s)

None.

Enforcements

None.

Miscellaneous

On August 23, 2011, staff contacted facility regarding potential damage associated with minor earthquake. No damage noted.

On August 29, 2011, staff contacted facility regarding potential damage associated with Hurricane Irene. High flows being processed normally.

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Facility: Onteora Jr-Sr High School WWTP

Basin	SPDES	Inspected	Seasonal WWTP	Report Sent to Owner
Ashokan	NY0099856	Yes	No	Yes

Comments

None.

Inspections

On August 1, 2011, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

SPDES Permit Exceedance(s)

None.

Enforcements

None.

Miscellaneous

The project to complete the transmission line to the Boiceville WWTP, including the catch basin and storm drain connection was completed before Hurricane Irene hit landfall. If this connection was not completed by August 26th, the entire basement including the stores warehouse, boiler room and Central Administration offices would have surely been flooded with water during the storm; the damage would have been tremendous. Hurricane Irene had a negligible impact except that the power was out on Monday and Tuesday. Once utility power was restored, the supplier of the flow meter was able to perform a start-up on the unit today; sewage flows from the entire campus are now being recorded. Contractor finished paving the excavated areas.

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Facility: Oorah Camp WWTP

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

Comments

None.

Inspections

On August 1, 2011, 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: 'The two new trailers that were connected to the WWTP electrical panel are not grounded with steel rods at the trailer site. A strike by lightning to either trailer can cause damage to the WWTP panel as well as expensive treatment components. The facility would be responsible for all repair costs.'

On September 01, 2011, staff performed a Reconnaissance Inspection of the facility. Facility fully functional, operation winding down as camp is shutting down for the season.

SPDES Permit Exceedance(s)

None.

Enforcements

None.

Miscellaneous

On August 23, 2011, staff contacted facility regarding potential damage associated with minor earthquake. No damage noted.

On August 29, 2011, staff contacted facility regarding potential damage associated with Hurricane Irene. WWTP on generator power, microfilters offline due to compressor malfunction (operator looking into this), flows are low since camp has no potable water during power outage. Disinfection online.

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Facility: Pine Hill (V) WWTP

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

Comments

None.

Inspections

On September 13, 2011, 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: Prattsville (v) WWTP

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

Comments

None.

Inspections

On September 01, 2011, staff performed a post hurricane Reconnaissance Inspection of the facility and the collection system. Facility on full bypass, very muddy storm water being pushed through facility. Collection system shows signs of significant damage. Severe flooding wrested numerous structures from their foundations resulting in many open laterals. A thorough damage assessment must be performed.

On September 12, 2011, staff performed a Reconnaissance Inspection of the collection system for this facility. Operator continuing collection system assessment and repairs. Missing manhole cover on Main Street replaced.

On September 22, 2011, staff performed a Reconnaissance Inspection of the collection system for this facility. Operator continuing collection system assessment and repairs. Operator still working on clearing away silt and debris to locate manholes.

On September 29, 2011, staff performed a Reconstruction Inspection of the collection system for this facility. Operator continuing collection system assessment and repairs. Operator still working on clearing away silt and debris to locate manholes. DEP vactor trucks in village cleaning drainage system.

On September 29, 2011, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

SPDES Permit Exceedance(s)

None.

Enforcements

None.

Miscellaneous

On August 23, 2011 RCI staff contacted facility regarding potential damage associated with minor earthquake. No damage noted.

On September 1, 2011, staff was contacted by the facility regarding potential damage associated with Hurricane Irene. The WWTP survived without any structural damage; water levels remained roughly one foot below the main floor level, no control systems were damaged. Through the storm, the facility experienced a full bypass of the tertiary treatment process (sand and micro filtration), the wastestream/flood water was diverted into an off-line Sequential Batch Reactor (SBR) and discharged through the Ultra Violet (UV) disinfection process; the main lift station to the plant was also deactivated. The in-service SBR was isolated in an attempt to maintain its biology and properly return the plant to normal operation once the water receded. The operator spent the next two days following the storm assisting the Village with repair of the water system; it was fully restored on 08/31/2011. The operator successfully maintained the biology within the SBR; the wastestream was diverted back through the SBR and secondary treatment was fully restored on 08/31/2011. The operator will attempt to convey flow through the sand filters today; if successful, they will then divert flow back through the microfiltration process. The plant continues to operate on auxiliary power; the National Guard has cleared an access road to the plant for diesel delivery. The operator is currently assessing the damage to the collection system on the south or plant side of the river; the lift station and collection system on the north side of the river are at a higher elevation and sustained no damage or power loss, the force main is directionally drilled under the river bed and is structurally sound. Their greatest impediment has been access to the manholes, they are covered in a massive amount of gravel, silt and debris; the manholes and pipe sections are certainly filled with material. The three duplex pump stations that service the south side of the river are a complete loss; the impact is minimized by the fact that all the buildings serviced by these lift stations have been destroyed. Henry Lamont of Lamont Engineering, parent company to LVDV Operations,

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Facility: Prattsville (v) WWTP (continued)

is meeting with the Village Supervisor later this morning as part of an engineering assessment of the area. Governor Cuomo and Homeland Security Secretary Janet Napolitano visited the Village to survey the damage.

As a side, the Village Fire Department ordered a mandatory evacuation of the plant around Noon on Sunday the 28th. The plant operator spent roughly ten minutes shutting down all equipment to minimize damage that could occur from the flood. The moment he had an opportunity to leave, the plant was overtaken by the river and he was trapped. This really put the rapidity of this storm into perspective.

On September 05, 2011, staff was notified that WWTP is fully operational. Sand filters and SBR were online, UV stayed on continuously. Collection system repairs and damage assessment underway.

On September 06, 2011, staff informed that microfiltration units were on-line as of 8:00 am on 09/05/2011. The plant is 100% operational but remains on auxiliary power. Collection System to be looked at during the week. The village is capping open laterals where houses washed away or relocated. DEP discussed with the Operator and emailed the resource request form. The operator was reminded that there is a DEP owned vector truck in town at their disposal.

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Facility: Richardson Hill Road Landfill

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

Comments

None.

Inspections

None.

SPDES Permit Exceedance(s)

None.

Enforcements

None.

Miscellaneous

On August 23, 2011, staff contacted facility regarding potential damage associated with minor earthquake. No damage noted.

On August 29, 2011, staff contacted facility regarding potential damage associated with Hurricane Irene. High flows being processed normally.

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Facility: Roxbury Lift Station

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

Comments

None.

Inspections

On September 01, 2011, staff performed a Reconnaissance Inspection of the facility. Facility was found to be fully operational; equalization tank was in use and being pumped down. There was some evidence of a wastewater overflow during the high flow event, no overflow was observed during the inspection.

SPDES Permit Exceedance(s)

None.

Enforcements

None.

Miscellaneous

On August 23, 2011, staff contacted facility regarding potential damage associated with minor earthquake. No damage noted.

On August 29, 2011, staff contacted facility regarding potential damage associated with Hurricane Irene. No problems reported, operator will inform DEP if any problems arise.

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Facility: Roxbury Run Village WWTP

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

Comments

None.

Inspections

On August 18, 2011, 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 influent flow meter at the facility does not work. They do not have an indication of influent flow however they use the EQ tank weir to control forward flow and for process control. The DEC agreed to let the facility use the microfiltration flow meters to report flow on the DMR's however the SPDES permit and the DMR's still list the flow as influent. A request should be made to modify both to effluent flow.'

Item: 'B3. Comminutor' received a rating of Unsatisfactory with comments: 'The comminutor is not working now and should be repaired. The manual bar screen was in service.'

On September 01, 2011, staff performed a Reconnaissance Inspection of the facility. Facility was found to be fully operational.

SPDES Permit Exceedance(s)

None.

Enforcements

None.

Miscellaneous

On August 23, 2011, staff contacted facility regarding potential damage associated with minor earthquake. No damage noted.

On August 29, 2011, staff attempted contact with facility regarding potential damage associated with Hurricane Irene. High flows being processed normally.

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Facility: Stamford (V) WWTP

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

Comments

None.

Inspections

On September 12, 2011, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

SPDES Permit Exceedance(s)

None.

Enforcements

None.

Miscellaneous

On August 23, 2011, staff contacted facility regarding potential damage associated with minor earthquake. No damage noted.

On August 29, 2011, staff contacted facility regarding potential damage associated with Hurricane Irene. High flows being processed normally.

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Facility: Tannersville (V) WWTP

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

Comments

None.

Inspections

On July 22, 2011, 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: 'Numerous leaks in building during heavy rain still have not been addressed. This is a significant issue since water dripping on sensitive electromechanical and electronic systems can render them inoperative which will affect the plants ability to effectively treat the incoming wastewater. These roof leaks should be repaired as soon as practicable to prevent costly damage to the facility.'

SPDES Permit Exceedance(s)

None.

Enforcements

None.

Miscellaneous

On August 23, 2011, staff contacted facility regarding potential damage associated with minor earthquake. No damage noted.

On August 29, 2011, staff contacted facility regarding potential damage associated with Hurricane Irene. High flows being processed normally.

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Facility: Timber Lake (Camp) WWTP

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

Comments

None.

Inspections

On July 21, 2011, staff performed a Quarterly Inspection. Items rated less than (S) satisfactory are indicated below:

Item: 'D4. Clarifier' received a rating of Marginal with comments: 'The clarifier is in service however the effluent was cloudy and there was pin flock carrying over.'

On September 30, 2011, staff performed a Reconnaissance Inspection of the facility for the end of season. The digester and aeration tanks still need to be emptied.

SPDES Permit Exceedance(s)

On July 6, 2011, a DEP laboratory sample indicated an exceedance of pH with a sample result of 6.17 S.U., exceeding the SPDES parameter limit of Min (6.5) – Max (8.5) S.U. The plant self-monitoring data indicates full compliance with their SPDES parameters.

On July 20, 2011, a DEP laboratory sample indicated an exceedance of Dissolved Oxygen with a sample result of 5.2 mg/l, exceeding the SPDES parameter limit of 7.0 mg/l. The plant self-monitoring data indicates full compliance with their SPDES parameters.

On August 10, 2011, a DEP laboratory sample indicated an exceedance of Phosphorous with a sample result of 1.927 mg/l, exceeding the SPDES parameter limit of 1.0 mg/l. The plant self-monitoring data indicates full compliance with their SPDES parameters.

Enforcements

None.

Miscellaneous

On August 23, 2011, staff contacted facility regarding potential damage associated with minor earthquake. No damage noted.

On August 29, 2011, staff contacted facility regarding potential damage associated with Hurricane Irene. High flows being processed normally.

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Facility: Walton (V) WWTP

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

Comments

None.

Inspections

On July 11, 2011, staff performed a Follow-up Inspection of the facility after a reported overflow of high solids content foam from the digester. Approximately 1.5 cubic yards of high TSS foam overflowed from the digester due to high foaming conditions common to this facility during the summer months. The spill was contained within the WWTP facility grounds between the digester and the solids handling building and did not reach any waterway. Additional spraying of the foam has been implemented to alleviate this condition and WWTP staff is expediting a cleanup.

On July 20, 2011, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

SPDES Permit Exceedance(s)

None.

Enforcements

None.

Miscellaneous

On August 23, 2011, staff contacted facility regarding potential damage associated with minor earthquake. No damage noted.

On August 29, 2011, a Report of Noncompliance Event was filed with DEC/DEP, for an event occurring on 08/29/2011. Secondary clarifier starting to spill due to hydraulic overload associated with Hurricane Irene. Maximum flow being pushed through facility, all unit processes at maximum.

On September 08, 2011, a Report of Noncompliance Event was filed with DEC/DEP, for an event occurring on 09/07/2011. Due to rain induced hydraulic overload, there was a 300 gallon spill of dilute untreated influent at the headworks and 850 gallons from the secondary clarifier area. No spill was contained; no overflow into a watercourse was noted. The affected area was cleaned immediately.

On September 12, 2011, staff was notified by the operator that the WWTP could not get compliance samples out the previous week due to road closures caused by the storms.

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Facility: Windham (T) WWTP

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

Comments

None.

Inspections

On August 24, 2011, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

On September 14, 2011, staff performed a Reconnaissance Inspection of the facility and the collection system to survey the progress of the restoration work of the damage caused by Hurricane Irene. Two DEP owned vacor trucks pumped out the lift stations throughout the Town. Both of the generators at the Elm Street and Hickory Hill pump stations were completely destroyed. There is full utility power at both now and portable back up generators on site. New generators are on order. The main sewer line was exposed on South Street but not damaged. The sewer line on Elm Street was damaged for about a week and was being repaired during this site visit. The last manhole before the Elm street pump station was plugged with debris and was pumped out a couple of days after the storm. During that time, the Crystal Pond pump station was being operated as a hold and haul; it is now fully operational.

On September 19, 2011, staff performed a Reconnaissance Inspection of the collection system for this facility. Flows to WWTP returning to normal. Reconstruction work in the village ongoing. Two lift stations with flood damaged generators are on utility power; portable generators available for emergency circumstances.

On September 22, 2011, staff performed a Reconnaissance Inspection of the collection system for this facility. Operator continuing collection system assessment and repairs. Reconstruction of town infrastructure continues.

On September 29, 2011, staff performed a Reconnaissance Inspection of the collection system for this facility. Operator continuing collection system assessment and repairs.

SPDES Permit Exceedance(s)

None.

Enforcements

None.

Miscellaneous

On August 23, 2011, staff contacted facility regarding potential damage associated with minor earthquake. No damage noted.

On August 29, 2011, staff contacted facility regarding potential damage associated with Hurricane Irene. Facility on generator power, experiencing massive hydraulic overload (influent structure and 1st floor flooded), and no overflows/bypasses at WWTP reported. Several pump stations completely flooded and/or destroyed with significant damage to collection system reported.

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Facility: Carmel Sewer District #2

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

Comments

None.

Inspections

On August 23, 2011, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

SPDES Permit Exceedance(s)

On August 26, 2011, a DEP laboratory sample indicated an exceedance of pH with a sample result of 6.3 S.U., exceeding the SPDES parameter limit of Min (6.5 S.U.) – Max (8.5 S.U.). The plant self-monitoring data indicates full compliance with their SPDES parameters. There were no operational issues that led to this result.

Enforcements

None.

Miscellaneous

None.

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Facility: Clear Pool Camp

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

Comments

None.

Inspections

On August 12, 2011, 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: 'totalizer reading 8075981, overdue for calibration.'

SPDES Permit Exceedance(s)

On July 1, 2011, an effluent sample indicated a violation of CBOD5 DAILY MAX with a sample result of 6.7 mg/l, exceeding the SPDES parameter limit of 5.0 mg/l.

Enforcements

None.

Miscellaneous

On August 20, 2011, a Report of Noncompliance Event was filed with DEC/DEP, for an event occurring in July 2011. Plant self-monitoring data recorded an effluent CBOD5 result of 6.7 mg/l, exceeding the limit of 5.0 mg/l. The reported cause was a malfunction of the Sodium Hydroxide chemical feed system. The operator adjusted the chemical feed; the plant has not experienced any problems related to this issue.

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

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

Comments

None.

Inspections

On September 26, 2011, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

SPDES Permit Exceedance(s)

On August 12, 2011, a DEP sample indicated an exceedance of Solids - Suspended with a sample result of 48.0 mg/l, exceeding the SPDES parameter limit of 10.0 mg/l. The plant self-monitoring data indicates full compliance with their SPDES parameters. There were no operational issues that led to this result. It is impossible to achieve such a reading given the wastestream passes through a sand filter and pressurized membrane filter prior to discharge.

Enforcements

None.

Miscellaneous

None.

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Facility: Lake Plaza

Basin	SPDES	Inspected	Seasonal WWTP	Report Sent to Owner
Croton Falls	NY0143693	No	No	No

Comments

The facility has been decommissioned and the SPDES permit has been deleted. This facility will be removed from future reports. The newly installed lift station conveys wastewater to the Mahopac (NYCDEP) WWTP.

Inspections

None.

SPDES Permit Exceedance(s)

None.

Enforcements

None.

Miscellaneous

None.

NYCDEP WWTP Inspection Program
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Facility: Lewisboro Elementary School

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

Comments

None.

Inspections

On September 22, 2011, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

SPDES Permit Exceedance(s)

None.

Enforcements

None.

Miscellaneous

None.

NYCDEP WWTP Inspection Program
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Facility: Mahopac

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

Comments

None.

Inspections

On July 11, 2011, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

SPDES Permit Exceedance(s)

On July 1, 2011, an effluent sample indicated an exceedance of TEMPERATURE with a sample result of 76 degrees, exceeding the SPDES parameter limit of 70 degrees.

On August 1, 2011 a DEP sample indicated an exceedance of TEMPERATURE with a sample result of 76 degrees, exceeding the SPDES parameter limit of 70 degrees.

Enforcements

None.

Miscellaneous

On July 18, 2011, a Report of Noncompliance Event was filed with DEC/DEP for an event occurring in July 2011. The final effluent temperature was above the SPDES limit with a sample result of 76 degrees Fahrenheit. The effluent chiller was shut off, with permission from NYSDEC, to perform stream analysis. Once the violation was detected, the chillers were turned back on.

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Facility: Meadows at Cross River

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

Comments

None.

Inspections

On July 14, 2011, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

SPDES Permit Exceedance(s)

None.

Enforcements

None.

Miscellaneous

None.

NYCDEP WWTP Inspection Program
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Facility: Michelle Estates

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

Comments

None.

Inspections

On July 18, 2011, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

SPDES Permit Exceedance(s)

On August 1, 2011, a DEP sample indicated an exceedance of Coliform - Fecal with a sample result of 4200/100ml, exceeding the SPDES parameter limit of 200/100ml 30-day geometric mean. The plant self-monitoring data indicates full compliance with their SPDES parameters. There were no operational issues that led to this result. DEP effluent data indicates compliance with this parameter since the recorded exceedance.

Enforcements

None.

Miscellaneous

None.

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Facility: North Castle and Harrison Pump Stations

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

Comments

None.

Inspections

On September 09, 2011, staff performed inspections 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 at any of the lift stations; there was no evidence of a sewage overflow.

On September 13, 2011, staff performed inspections with Sal Misiti, Assistant Superintendent for the Town of North Castle Water and Sewer Department, 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 and Old Orchard Street. The inspections revealed no abnormal conditions at any of the lift stations; there was no evidence of a sewage overflow.

SPDES Permit Exceedance(s)

None.

Enforcements

None.

Miscellaneous

None.

NYCDEP WWTP Inspection Program
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Facility: Ralph Morando Building (inactive)

Basin	SPDES	Inspected	Seasonal WWTP	Report Sent to Owner
Croton Falls	NY0062561	No	No	No

Comments

The facility has been decommissioned and the SPDES permit has been deleted. This facility will be removed from future reports. The newly installed transmission line conveys wastewater to the Mahopac (NYCDEP) WWTP.

Inspections

None.

SPDES Permit Exceedance(s)

None.

Enforcements

None.

Miscellaneous

None.

NYCDEP WWTP Inspection Program
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Facility: Waccabuc Country Club

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

Comments

None.

Inspections

On July 19, 2011, staff performed a Quarterly Inspection. Items rated less than (S) satisfactory are indicated below:

Item: 'A1. Building/Grounds/Housekeeping' received a rating of Marginal with comments: 'Upgrade construction, site needs to be cleaned up.'

SPDES Permit Exceedance(s)

None.

Enforcements

None.

Miscellaneous

On June 15, 2011, the facility was certified functionally complete by the design engineer. DEP issued authorization to commence start-up and performance testing on June 30, 2011.

NYCDEP WWTP Inspection Program
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Facility: West Lake Sewer Extension

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

Comments

None.

Inspections

Staff performed numerous inspections, in conjunction with representatives from the Westchester County Department of Environmental Facilities, in September 2011 in response to elevated fecal and total coliform counts from DEP samples collected at Shaft 18 and the lower effluent chamber. Dye testing was also conducted to establish any exfiltration from the sewer line. No abnormalities were discovered; no evidence of overflow was observed.

SPDES Permit Exceedance(s)

None.

Enforcements

None.

Miscellaneous

None.