

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

**Wastewater Treatment Plant Compliance Inspection Reports
Summary – 3rd Quarter 2012**

October 23, 2012

*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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NYCDEP WWTP Inspection Program
EPA FAD Deliverable 6.2
October 2012

TABLE OF CONTENTS

I. Introduction

Inspection Program Goals
Inspection Program Structure
Compliance Inspection Report Content
NYC Watershed Rules & Regulations - WWTP Upgrades

II. Wastewater Treatment Facility Compliance Inspection Reports

West-of-Hudson

Andes (T)
Ashland (V)
Boiceville (V)
Chichester (H)
Delaware County BOCES
Delhi (V)
Elka Park
Fleischmanns
Friesland Campina - DOMO Non-Contact Cooling Water
Grahamsville (V)
Grand Gorge (V)
Hanah Country Club
Hobart (V)
Hunter (V)
Hunter Highlands
Kraft Dairy Non-Contact Cooling Water
L'man Achai, Camp
Machne Tashbar, Camp
Margaretville (V)
Morningstar/Ultra Dairy Non-Contact Cooling Water
Mountain View Estates
Mountainside Farms – Worcester Creameries (Lagoon)
Oh-Neh-Tah, Camp
Olive Woods (Woodstock Percussion)
Oorah Camp
Pine Hill (V)
Prattsville
Richardson Hill Road Landfill
Roxbury Lift Station
Roxbury Run Village
Stamford (V)
Tannersville (V)
Timberlake, Camp
Walton (V)
Windham (T)

East-of-Hudson

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

NYCDEP WWTP Inspection Program
EPA FAD Deliverable 6.2
October 2012

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.

NYCDEP WWTP Inspection Program
EPA FAD Deliverable 6.2
October 2012

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 2012. Included in the Deliverable are the Compliance Inspection summaries for each facility in the Catskill/Delaware and Croton Watershed that was inspected. Each Compliance Inspection summary contains the following: 1) Facility name and SPDES Permit Number, 2) General Comments, 3) Inspection dates and findings, 4) SPDES permit exceedances/violations, 5) Enforcement actions by DEP, and 6) Miscellaneous items.

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

NYCDEP WWTP Inspection Program
EPA FAD Deliverable 6.2
October 2012

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.

NYCDEP WWTP Inspection Program
EPA FAD Deliverable 6.2
October 2012

Facility: Andes (T) WWTP

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

Comments

None.

Inspections

On September 26, 2012, 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: 'D3. Microfiltration' received a rating of Unsatisfactory with comments: 'Being by-passed as part of construction sequencing for the facility upgrade'.

SPDES Permit Exceedance(s)

On August 1, 2012, a DMR monitoring result indicated a violation of TIME TURBIDITY with a sample result of 6989 minutes, exceeding the SPDES parameter limit of 2160 minutes. The facility is currently bypassing the microfiltration units to prevent an excessive hydraulic overload, caused by repeated unit backwashing, to the head of the process during the construction of the facility upgrade.

On August 15, 2012 a DEP sample indicated an exceedance of Ammonia with a sample result of 1.58 mg/l, exceeding the SPDES parameter limit of 1.1 mg/l.

On August 22, 2012 a DEP sample indicated an exceedance of Ammonia with a sample result of 9.86 mg/l, exceeding the SPDES parameter limit of 1.1 mg/l.

On August 29, 2012 a DEP sample indicated an exceedance of Ammonia with a sample result of 13.6 mg/l, exceeding the SPDES parameter limit of 1.1 mg/l.

On August 29, 2012 a DEP sample indicated an exceedance of BOD5 with a sample result of 6.8 mg/l, exceeding the SPDES parameter limit of 5.0 mg/l.

Enforcements

The facility is currently under a NYSDEC consent order; a full plant modification has been approved.

The Ammonia and BOD5 exceedances listed above were the result of the facility operating in single basin mode of the sequential batch reactor (SBR) to allow for construction to begin. The intent of the facility modification is to transform the off-line SBR tank to accommodate a membrane bio-reactor (MBR). During construction, the facility attempted to process the entire wastestream within the one active SBR and no redundancy. The hydraulic load proved too great for the unit capacity and led to a plant upset resulting in loss of active biomass, leading to the elevated BOD5 and Ammonia readings. The plant reseeded the online basin and reprogrammed the SBR to no longer receive a constant feed of raw influent; the basin will now operate as it did during dual mode. The facility installed a 10,000 gallon holding tank to limit the hydraulic load to the plant. Sewage from this tank is hauled daily to the Fleischmanns and Margaretville WWTP's for processing.

Miscellaneous

The plant upgrade design has been approved, site demolition continues and equipment deliveries and installation has begun.

NYCDEP WWTP Inspection Program
EPA FAD Deliverable 6.2
October 2012

Facility: Ashland

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

Comments

None.

Inspections

On September 26, 2012, staff performed a Quarterly Inspection. Items rated less than (S) satisfactory are indicated below:

Item: 'A1. Bldg. and Grounds/Housekeeping' received a rating of Unsatisfactory with comments: 'Housekeeping issues resolved, however, bridge coming into facility still not repaired. The temporary structure put in place appears susceptible to storm damage and has no culverts.'

Item: 'A2. Potable Water Supply Protection' received a rating of Marginal with comments: 'Repairs made but still no inspection tag or documentation for inspection that was recently done per operator.'

SPDES Permit Exceedance(s)

None.

Enforcements

None.

Miscellaneous

DEC Central Office will revise the sampling frequency for BOD, TSS, fecal coliform, dissolved oxygen, ammonia & phosphorus contained within the current SPDES permit from twice per year to once per month.

NYCDEP WWTP Inspection Program
EPA FAD Deliverable 6.2
October 2012

Facility: Boiceville (v) WWTP

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

Comments

None.

Inspections

On September 12, 2012, staff performed a Quarterly Inspection. Items rated less than (S) satisfactory are indicated below:

Item: 'D3. Sand Filters' received a rating of Unsatisfactory with comments: 'The sandfilters have been out of service since the flooding caused from Hurricane Irene. The facility has received money from the insurance company for partial payment of the sandfilter replacement and FEMA is going to pay the difference. The SBR effluent to the Micro units was 1.31 NTU. New check valves were installed on the sandfilter feed pump pipes.'

Item: 'E4. Discharge Notification Sign' received a rating of Unsatisfactory with comments: 'Need a new sign since Hurricane Irene.'

Item: 'F4. Plate & Frame Press' received a rating of Marginal with comments: 'The VFD's need to be repaired and they can't run the press right now, however, they are not run often and it should not have an impact on effluent discharge quality.'

SPDES Permit Exceedance(s)

None.

Enforcements

None.

Miscellaneous

None.

NYCDEP WWTP Inspection Program
EPA FAD Deliverable 6.2
October 2012

Facility: Chichester (H) SSTS

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

Comments

None.

Inspections

On August 13, 2012, 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: 'Hydraulic overloads are a chronic issue and remain unresolved. A visual inspection of the collection system was conducted, no apparent issues noted.'

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

On August 14, 2012, staff was notified by DEP Operations that excess flow issues are being effectively mitigated. The facility did not have a hydraulic overload condition during the June and July 2012 monitoring periods. DEP Wastewater Operations has completed significant infiltration & inflow (I&I) reduction in the system and have two manholes to line prior to camera inspections to determine where further work should commence.

NYCDEP WWTP Inspection Program
EPA FAD Deliverable 6.2
October 2012

Facility: Delaware BOCES WWTP

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

Comments

None.

Inspections

On September 24, 2012, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

SPDES Permit Exceedance(s)

On July 25, 2012, a DEP laboratory sample indicated an exceedance of pH with a sample result of 6.38 S.U., outside the SPDES permitted range of Min (6.5) – Max (8.5) S.U. The minimal amount below the permit limitation does not trigger any enforcement. Plant self-monitoring data indicates full compliance with all SPDES permit parameters.

Enforcements

None.

Miscellaneous

None.

NYCDEP WWTP Inspection Program
EPA FAD Deliverable 6.2
October 2012

Facility: Delhi (V) WWTP

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

Comments

None.

Inspections

On August 16, 2012, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory. The recent WWTP phosphorus exceedance was discussed and attributed to recent process changes. The operator believed the source of the higher phosphorus loading into the plant was caused by the final pump down of tanks at the recently closed Countryside Elder care facility. The operators adjusted the coagulant feed within the Continuously Backwashing Upflow Dual Sand Filter (CBUDSF) units and the secondary clarifiers to address high phosphorus in the effluent. The issue has since abated and phosphorus concentrations are back to normal and within permit limits.

SPDES Permit Exceedance(s)

On July 1, 2012, a DMR monitoring result indicated a violation of PHOS 30 DAY AVG with a sample result of 0.177 mg/l, exceeding the SPDES parameter limit of 0.11 mg/l.

On July 11, 2012, a DEP laboratory sample indicated an exceedance of Phosphorous with a sample result of 0.255 mg/l, exceeding the SPDES parameter limit of 0.11 mg/l.

Enforcements

None.

Miscellaneous

None.

NYCDEP WWTP Inspection Program
EPA FAD Deliverable 6.2
October 2012

Facility: Elka Park WWTP

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

Comments

None.

Inspections

On September 25, 2012, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

SPDES Permit Exceedance(s)

None.

Enforcements

None.

Miscellaneous

None.

NYCDEP WWTP Inspection Program
EPA FAD Deliverable 6.2
October 2012

Facility: Fleischmanns (V) WWTP

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

Comments

None.

Inspections

On July 09, 2012, staff provided technical assistance to the facility. Assistance included discussion of operator adding insecticide to control midge larvae and fly population in system unit processes. The process is to be done by licensed aquatic pesticide applicator; all necessary permits have been obtained.

On July 17, 2012, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

SPDES Permit Exceedance(s)

On August 1, 2012, a DMR monitoring result indicated a violation of CHLOR EFFL RESID DAILY MAX with a sample result of 0.86 mg/l, exceeding the SPDES parameter limit of 0.1 mg/l. The facility submitted a Report of Non-Compliance Event indicating the cause of the violation was a telemetry issue and pump lead/lag time setup. All necessary adjustments were made; DEP will closely monitor the disinfection process.

Enforcements

None.

Miscellaneous

On September 04, 2012, staff was notified by the plant operator that insecticide addition (to reduce midge fly infestation in clarifiers) has begun. An application rate of one ounce per week was established; no deleterious effects were noted.

NYCDEP WWTP Inspection Program
EPA FAD Deliverable 6.2
October 2012

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)

On July 1, 2012, a DMR monitoring result indicated a violation of TEMPERATURE with a sample result of 73 degrees, exceeding the SPDES parameter limit of 70 degrees. The operator stated he would look into process changes to address the excursion.

Enforcements

None.

Miscellaneous

None.

NYCDEP WWTP Inspection Program
EPA FAD Deliverable 6.2
October 2012

Facility: Grahamsville (V) WWTP

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

Comments

None.

Inspections

On July 16, 2012, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

SPDES Permit Exceedance(s)

None.

Enforcements

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

Miscellaneous

None.

NYCDEP WWTP Inspection Program
EPA FAD Deliverable 6.2
October 2012

Facility: Grand Gorge (V) WWTP

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

Comments

None.

Inspections

On August 13, 2012, 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.'

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

The plant operators are in the process of determining the extent of the roof damage and looking into warranty coverage of the previously noted roof leaks.

NYCDEP WWTP Inspection Program
EPA FAD Deliverable 6.2
October 2012

Facility: Hanah Country Club WWTP

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

Comments

None.

Inspections

On September 20, 2012, staff performed a Quarterly Inspection. Items rated less than (S) satisfactory are indicated below:
Item: 'A3. Testing/instrumentation' received a rating of Marginal with comments: 'Phosphorous reagent expired on 7/10.'

SPDES Permit Exceedance(s)

None.

Enforcements

None.

Miscellaneous

None.

NYCDEP WWTP Inspection Program
EPA FAD Deliverable 6.2
October 2012

Facility: Hobart (V) WWTP

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

Comments

None.

Inspections

On September 5, 2012, staff performed a Quarterly Inspection. Items rated less than (S) satisfactory are indicated below:

Item: 'D8.Turbidity Monitoring' received a rating of Marginal with comments: 'Turbidity meters were due for calibration 07/2012. Units have not been calibrated (2 months overdue). Operator indicated that he would have HACH come in for calibration and service ASAP.'

SPDES Permit Exceedance(s)

None.

Enforcements

None.

Miscellaneous

As previously reported, the facility did install a new turbidity meter in April 2012 for the slave microfiltration unit. The slave unit, as part of the solids removal process, is in place to treat the backwash water from the inline microfiltration process; they do not directly treat or discharge the wastestream. The comment listed above refers to the online microfiltration process.

NYCDEP WWTP Inspection Program
EPA FAD Deliverable 6.2
October 2012

Facility: Hunter (V) WWTP

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

Comments

None.

Inspections

On September 6, 2012, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

SPDES Permit Exceedance(s)

None.

Enforcements

None.

Miscellaneous

None.

NYCDEP WWTP Inspection Program
EPA FAD Deliverable 6.2
October 2012

Facility: Hunter Highlands WWTP

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

Comments

None.

Inspections

On August 15, 2012, staff performed a Reconnaissance Inspection of the facility. DEP staff inspected the outfall area for a dirty discharge and odor complaint. The discharge line was flowing and no odor issues were noted.

On September 26, 2012, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

SPDES Permit Exceedance(s)

None.

Enforcements

None.

Miscellaneous

None.

NYCDEP WWTP Inspection Program
EPA FAD Deliverable 6.2
October 2012

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
EPA FAD Deliverable 6.2
October 2012

Facility: L'man Achai (Camp) WWTP

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

Comments

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

Inspections

On August 16, 2012, staff performed a Quarterly Inspection. Items rated less than (S) satisfactory are indicated below:

Item: 'B2. Turbidity Monitoring' received a rating of Unsatisfactory with comments: 'Turbidity meters still need calibration. Operator has been trying to get HACH in to calibrate meters to no avail. Operator notified that it is possible for him to calibrate meters in-house.'

On September 12, 2012, staff performed a Reconnaissance Inspection of the facility. The facility was buttoned up for seasonal shutdown.

SPDES Permit Exceedance(s)

On July 5, 2012, a DEP laboratory sample indicated an exceedance of pH with a sample result of 6.34 S.U., exceeding the SPDES parameter limit of Min (6.5) – Max (8.5) S.U. Plant self-monitoring data indicates full compliance with all SPDES permit parameters. The operator has made adjustments to the soda ash feed due to atypical flow patterns at the facility.

On July 5, 2012, a DEP laboratory sample indicated an exceedance of Ammonia with a sample result of 4.98 mg/l, exceeding the SPDES parameter limit of 1.5 mg/l. The high ammonia was attributable to the delay of septic tank pumping early in the season. This delayed the filter bed recirculation which would have alleviated the ammonia issue. In the future, the operator will contact the septic hauler in April to give him time to get there. Ammonia levels in the plant effluent dropped quickly after the DEP sampling and are now at <1 mg/l per the operator. Plant self-monitoring data indicates full compliance with all SPDES permit parameters.

On July 18, 2012 a DEP sample indicated an exceedance of pH with a sample result of 5.86 S.U., exceeding the SPDES parameter limit of Min (6.5) – Max (8.5) S.U. Plant self-monitoring data indicates full compliance with all SPDES permit parameters. The operator has made adjustments to the soda ash feed due to atypical flow patterns at the facility.

Enforcements

None.

Miscellaneous

None.

NYCDEP WWTP Inspection Program
EPA FAD Deliverable 6.2
October 2012

Facility: Machne Tashbar (seasonal camp)

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

Comments

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

Inspections

On July 19, 2012 RCI staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

SPDES Permit Exceedance(s)

On July 25, 2012, a DEP laboratory sample indicated an exceedance of CBOD5 with a sample result of 5.9 mg/l, exceeding the SPDES parameter limit of 5.0 mg/l. The minimal amount above the permit limitation does not trigger any enforcement. Plant self-monitoring data indicates full compliance with all SPDES permit parameters.

On August 1, 2012, a DMR monitoring result indicated a violation of CHLOR CONT TANK DAILY MIN with a sample result of 0.16 mg/l, exceeding the SPDES parameter limit of 0.2 mg/l. The minimal amount above the permit limitation does not trigger any enforcement. DEP laboratory data indicates full compliance with all SPDES permit parameters.

Enforcements

None.

Miscellaneous

None.

NYCDEP WWTP Inspection Program
EPA FAD Deliverable 6.2
October 2012

Facility: Margaretville (V) WWTP

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

Comments

None.

Inspections

On July 17, 2012, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

SPDES Permit Exceedance(s)

None.

Enforcements

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

Miscellaneous

None.

NYCDEP WWTP Inspection Program
EPA FAD Deliverable 6.2
October 2012

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.

NYCDEP WWTP Inspection Program
EPA FAD Deliverable 6.2
October 2012

Facility: Mountain View Estates

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

Comments

None.

Inspections

On September 26, 2012, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

SPDES Permit Exceedance(s)

On August 15, 2012, a DEP laboratory sample indicated an exceedance of pH with a sample result of 6.24 S.U., exceeding the SPDES parameter limit of Min (6.5) – Max (8.5) S.U. The minimal amount below the permitted range does not trigger any enforcement. The operator was contacted and the low pH was a result of minor plant upset. The operator made adjustments to the chemical feed system; readings have been in compliance since then.

Enforcements

None.

Miscellaneous

None.

NYCDEP WWTP Inspection Program
EPA FAD Deliverable 6.2
October 2012

Facility: Mountainside Farms-Worcester Creameries (Lagoon)

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

Comments

None.

Inspections

On September 25, 2012, staff performed a Quarterly Inspection. Items rated less than (S) satisfactory are indicated below:

Item: 'C1. Clarifier' received a rating of Unsatisfactory with comments: 'The clarifier was upset and there floating solids in the weir area. The operators temporarily bypassed the sandfilters to prevent them from blinding off.'

Item: 'C4 Sand filters' received a rating of Marginal with comments: 'Both Parkson filters were being bypassed during the clarifier upset.'

Item: 'C5 UV' received a rating of Unsatisfactory with comments: 'Severely turbid effluent was blocking out the UV. Unit "A" showing 0.4 mw/cm2 with 2280 running hours. Unit "B" showing 0.2 mw/cm2 with 2281 running hours.'

Item: 'D1. Aeration Pond' received a rating of Marginal with comments: 'The rebuilt lagoon mixer is working well, however, a relay in the control panel had shorted out and that aerator is down. There were a few power supply cables entering the control panel that need to be re-attached to the box connectors. The internal wires are not protected by the shielded outer wire and are exposed to the elements. It seems that the soil has shifted and is pulling the buried part of the cables out of the connectors.'

SPDES Permit Exceedance(s)

On July 5, 2012 a DEP sample indicated an exceedance of Solids - Suspended with a sample result of 30.0 mg/l, exceeding the SPDES parameter limit of 10.0 mg/l.

On July 18, 2012 a DEP sample indicated an exceedance of Solids - Suspended with a sample result of 37.0 mg/l, exceeding the SPDES parameter limit of 10.0 mg/l.

On August 1, 2012 a DEP sample indicated an exceedance of Solids - Suspended with a sample result of 36.0 mg/l, exceeding the SPDES parameter limit of 10.0 mg/l.

Enforcements

The facility is currently under a DEC consent order; a full plant modification is required by the order. DEP issued an approval for installation of a membrane bioreactor (MBR) on March 12, 2012. DEP and NYSEFC are currently reviewing contractor bonds and insurance.

Miscellaneous

As previously reported, 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. This is a permitted subsurface discharge and has no direct impact on the water supply.

On July 18, 2012, staff received a call from the plant operator. He stated that the housing for the pond aeration unit came in and the unit was assembled and installed. It is running quiet and works well.

NYCDEP WWTP Inspection Program
EPA FAD Deliverable 6.2
October 2012

Facility: Oh-Neh-Tah (Camp) WWTP

Basin	SPDES	Inspected	Seasonal WWTP	Report Sent to Owner
Schoharie	NY0205460	No	Yes	No

Comments

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

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

Inspections

None.

SPDES Permit Exceedance(s)

None.

Enforcements

None.

Miscellaneous

The camp will not operate in 2012.

NYCDEP WWTP Inspection Program
EPA FAD Deliverable 6.2
October 2012

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 10, 2012, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

SPDES Permit Exceedance(s)

None.

Enforcements

None.

Miscellaneous

None.

NYCDEP WWTP Inspection Program
EPA FAD Deliverable 6.2
October 2012

Facility: Oorah Camp (former Golden Acres Farms (#001)) WWTP

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

Comments

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

Inspections

On June 18, 2012, 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. The wires were connected to the panel at the main lugs without a circuit breaker. The main power to the line that feeds the trailers can not be turned off without turning off all the power to the WWTP.'

SPDES Permit Exceedance(s)

None.

Enforcements

None.

Miscellaneous

None.

NYCDEP WWTP Inspection Program
EPA FAD Deliverable 6.2
October 2012

Facility: Pine Hill (V) WWTP

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

Comments

None.

Inspections

On September 27, 2012, 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

The flow meter for the Belleayre Ski Center is not accessible by the staff at the treatment plant since modifications were made some time back. It is suspected that it is not working properly based on the reduced flow rates that are reported. The state should calibrate the meter and make it accessible to the DEP.

NYCDEP WWTP Inspection Program
EPA FAD Deliverable 6.2
October 2012

Facility: Prattsville (v) WWTP

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

Comments

None.

Inspections

On September 7, 2012, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

SPDES Permit Exceedance(s)

None.

Enforcements

None.

Miscellaneous

None.

NYCDEP WWTP Inspection Program
EPA FAD Deliverable 6.2
October 2012

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

None.

NYCDEP WWTP Inspection Program
EPA FAD Deliverable 6.2
October 2012

Facility: Roxbury Lift Station

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

Comments

None.

Inspections

On September 27, 2012, staff performed a Reconnaissance Inspection of the facility. Tanks empty and in good condition. Grounds well maintained. Lift station and pumps in good condition and operating normally.

SPDES Permit Exceedance(s)

None.

Enforcements

None.

Miscellaneous

None.

NYCDEP WWTP Inspection Program
EPA FAD Deliverable 6.2
October 2012

Facility: Roxbury Run Village WWTP

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

Comments

None.

Inspections

On September 20, 2012, staff performed a Quarterly Inspection. Items rated less than (S) satisfactory are indicated below:
Item: 'A9. Flow Metering' received a rating of Marginal with comments: 'An estimate has been received for a new flow meter and chart recorder for the influent building. This location is the least expensive and easiest location to install a new unit.'
Item: 'D4. Open Sand Filters' received a rating of Unsatisfactory with comments: 'Both filters are being used and dosed alternately. Both of the sandfilters had one inch of solids on top from the carry over due to the heavy rains.'
Item: 'D6. Micro Filtration' received a rating of Marginal with comments: 'The Siemens technician stated that the computer and software needs to be replaced ASAP. Replacement of the computer for the microfiltration process is an eligible expense, within reason, under the DEP Regulatory Upgrade Program. A line item on the plant budget has reflected this; the facility should order a new unit.'

SPDES Permit Exceedance(s)

None.

Enforcements

None.

Miscellaneous

None.

NYCDEP WWTP Inspection Program
EPA FAD Deliverable 6.2
October 2012

Facility: Stamford (V) WWTP

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

Comments

None.

Inspections

On September 5, 2012, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

SPDES Permit Exceedance(s)

None.

Enforcements

None.

Miscellaneous

None.

NYCDEP WWTP Inspection Program
EPA FAD Deliverable 6.2
October 2012

Facility: Tannersville (V) WWTP

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

Comments

None.

Inspections

On July 18, 2012, 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 remain addressed for a protracted period of time. This will continue to be a potential 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 and potentially negatively affect water quality in the Gooseberry Creek. These roof leaks should be repaired as soon as practicable to prevent costly damage to the facility. Access road to WWTP that was washed out is repaired.'

SPDES Permit Exceedance(s)

None.

Enforcements

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

Miscellaneous

None.

NYCDEP WWTP Inspection Program
EPA FAD Deliverable 6.2
October 2012

Facility: Timber Lake (Camp) WWTP

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

Comments

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

Inspections

On July 25, 2012, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

On August 15, 2012, staff performed a Follow-up Inspection of the facility. Conducted a walk through of the exterior components of the facility with the caretaker, no abnormal conditions were noted.

SPDES Permit Exceedance(s)

On July 5, 2012, a DEP laboratory sample indicated an exceedance of Dissolved Oxygen with a sample result of 5.3 mg/l, exceeding the SPDES parameter limit of 7.0 mg/l.

On July 12, 2012, a DEP laboratory sample indicated an exceedance of Dissolved Oxygen with a sample result of 6.5 mg/l, exceeding the SPDES parameter limit of 7.0 mg/l.

On August 9, 2012, 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.

Enforcements

The effluent samples are collected at the effluent trough where the v-notch weir is installed for flow measurement, not at the outfall which is located down a hill by the main road. This sampling location may be the cause of the dissolved oxygen violations. DEP will submit a letter to the owner requesting justification for these violations and recommending actions to mitigate this issue. Being this is a seasonal facility, DEP will wait to schedule a compliance conference at the plant until the Spring/Summer of 2013.

Miscellaneous

None.

NYCDEP WWTP Inspection Program
EPA FAD Deliverable 6.2
October 2012

Facility: Walton (V) WWTP

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

Comments

None.

Inspections

On September 12, 2012, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

SPDES Permit Exceedance(s)

None.

Enforcements

None.

Miscellaneous

None.

NYCDEP WWTP Inspection Program
EPA FAD Deliverable 6.2
October 2012

Facility: Windham (T) WWTP

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

Comments

None.

Inspections

On September 14, 2012, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

SPDES Permit Exceedance(s)

None.

Enforcements

None

Miscellaneous

None.

NYCDEP WWTP Inspection Program
EPA FAD Deliverable 6.2
October 2012

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 22, 2012 RCI staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

SPDES Permit Exceedance(s)

On July 1, 2012, a DMR monitoring result indicated a violation of PHOS 30 DAY AVG with a sample result of 0.208 mg/l, exceeding the SPDES parameter limit of 0.2 mg/l. The minimal amount above the permit limitation does not trigger any enforcement. The operator made adjustments to the chemical feed system; readings have been in compliance since then.

On July 18, 2012, a DEP laboratory sample indicated an exceedance of Phosphorous with a sample result of 0.31 mg/l, exceeding the SPDES parameter limit of 0.2 mg/l. The operator made adjustments to the chemical feed system; readings have been in compliance since then.

Enforcements

None.

Miscellaneous

None.

NYCDEP WWTP Inspection Program
EPA FAD Deliverable 6.2
October 2012

Facility: Clear Pool Camp

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

Comments

None.

Inspections

On August 22, 2012, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

SPDES Permit Exceedance(s)

None.

Enforcements

None.

Miscellaneous

None.

NYCDEP WWTP Inspection Program
EPA FAD Deliverable 6.2
October 2012

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, 2012, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

SPDES Permit Exceedance(s)

None.

Enforcements

None.

Miscellaneous

None.

NYCDEP WWTP Inspection Program
EPA FAD Deliverable 6.2
October 2012

Facility: Lewisboro Elementary School

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

Comments

None.

Inspections

On September 26, 2012, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

SPDES Permit Exceedance(s)

None.

Enforcements

None.

Miscellaneous

None.

NYCDEP WWTP Inspection Program
EPA FAD Deliverable 6.2
October 2012

Facility: Mahopac

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

Comments

None.

Inspections

On July 10, 2012, 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: 'Exterior fence needs painting.'

SPDES Permit Exceedance(s)

On August 1, 2012, a DMR monitoring result indicated a violation of TEMPERATURE with a sample result of 77 degrees, exceeding the SPDES parameter limit of 70 degrees. There were no abnormalities at the plant that could have led to this reading. The facility activated the effluent chiller to achieve compliance with the temperature parameter.

Enforcements

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

Miscellaneous

None.

NYCDEP WWTP Inspection Program
EPA FAD Deliverable 6.2
October 2012

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 12, 2012, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

SPDES Permit Exceedance(s)

None.

Enforcements

None.

Miscellaneous

None.

NYCDEP WWTP Inspection Program
EPA FAD Deliverable 6.2
October 2012

Facility: Michelle Estates

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

Comments

None.

Inspections

On July 24, 2012, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

SPDES Permit Exceedance(s)

On July 12, 2012, a DEP laboratory sample indicated an exceedance of pH with a sample result of 5.95 S.U., exceeding the SPDES parameter limit of Min (6.5) – Max (8.5) S.U.

On July 30, 2012, a DEP laboratory indicated an exceedance of Coliform - Fecal with a sample result of 760/100 ml, exceeding the SPDES parameter limit of 200/100 ml.

On July 30, 2012, a DEP laboratory sample indicated an exceedance of Solids - Settled with a sample result of 0.7 ml/l, exceeding the SPDES parameter limit of 0.1 ml/l.

On July 30, 2012, a DEP laboratory sample indicated an exceedance of Phosphorous with a sample result of 2.19 mg/l, exceeding the SPDES parameter limit of 1.0 mg/l.

On August 29, 2012, a DEP laboratory sample indicated an exceedance of Coliform - Fecal with a sample result of 280/100 ml, exceeding the SPDES parameter limit of 200/100 ml.

On August 29, 2012, a DEP laboratory sample indicated an exceedance of Phosphorous with a sample result of 3.8 mg/l, exceeding the SPDES parameter limit of 1.0 mg/l.

Enforcements

The parameter violations have become chronic; DEP requires further explanation. A compliance conference has been scheduled at the facility to discuss operational practices and process control adjustments necessary to bring the plant back into substantial compliance. The outcome of this conference will be reported within the subsequent quarterly FAD deliverable.

Miscellaneous

As previously reported, the facility is using a new coagulant (PAC) to improve settling and continue to fine tune the chemical feed process to achieve desired phosphorus results. During the clean-in-place process (caustic soda, citric acid) for the microfiltration units, the backwash returned to the head of the plant was not properly neutralized; this affected the secondary treatment process and reduced removal efficiency for all wet chemistry parameters. The facility will perform additional pH testing of the backwash to ensure proper neutralization prior to retuning the wastestream through the treatment process. Plant self-monitoring data indicates full compliance with all SPDES permit parameters.

NYCDEP WWTP Inspection Program
EPA FAD Deliverable 6.2
October 2012

Facility: North Castle and Harrison Pump Stations

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

Comments

None.

Inspections

DEP conducted compliance inspections throughout the third quarter of 2012 at the sewage pump stations in the Town of North Castle on Old Route 22, Cooney Hill Road, Route 120 (Loudens Cove), New King Street, Old Orchard Street and the pump station in the Town of Harrison on Park Lane. The inspections revealed no abnormal conditions.

SPDES Permit Exceedance(s)

None.

Enforcements

None.

Miscellaneous

None.

NYCDEP WWTP Inspection Program
EPA FAD Deliverable 6.2
October 2012

Facility: Waccabuc Country Club

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

Comments
None.

Inspections
On September 18, 2012, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

SPDES Permit Exceedance(s)
None.

Enforcements
None.

Miscellaneous
None.

NYCDEP WWTP Inspection Program
EPA FAD Deliverable 6.2
October 2012

Facility: West Lake Sewer Extension

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

Comments

None.

Inspections

Staff performed inspections of the West Lake Trunk Sewer throughout the third quarter of 2012 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

None.