

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

**Wastewater Treatment Plant Compliance Inspection Reports  
Summary – 4<sup>th</sup> Quarter 2010**

**January 18, 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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NYCDEP WWTP Inspection Program  
EPA FAD Deliverable 6.2  
January 2011

**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)  
Bataviakill Recreation Area  
Boiceville (V)  
Chichester (H)  
Delaware County BOCES  
Delhi (V)  
DMV Nutritionals Non-Contact Cooling Water  
Elka Park  
Fleischmanns  
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)  
Onteora Jr. /Sr. High School  
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)  
Lake Plaza  
Lewisboro Elementary School  
Mahopac  
Meadows at Cross River Condominiums  
Michelle Estates  
North Castle and Harrison Pump Stations  
Ralph Morando Building (inactive)  
Waccabuc Country Club  
West Lake Sewer Extension

NYCDEP WWTP Inspection Program  
EPA FAD Deliverable 6.2  
January 2011

**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  
January 2011

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 fourth quarter of 2010. 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  
January 2011

**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  
January 2011

**Facility: Andes (T) WWTP**

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

**Comments**

None.

**Inspections**

On October 04, 2010, staff conducted a reconnaissance inspection related to the rain storm from 10/1/2010 – 10/2/2010. The Sequential Batch Reactor (SBR) went into storm mode on 10/1, plant recorded influent flow readings of 273 gallons per minute (gpm); the maximum design flow of the unit is 100 gpm. A bypass of the SBR, upflow sand filters and microfiltration units was necessary to preserve the plant equipment from a catastrophic failure and preserve the biological activity within the secondary process.

On November 3, 2010, 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: 'Plant influent flow meter requires the use of reducer fittings (4" to 6") which restrict flow during high plant flow situations. Flow meter operations should not adversely affect plant flow/operations.'

Item: 'B1. Influent Channel' received a rating of Marginal with comments: 'Influent flow channel jetted as part of routine O&M. Excessive solids buildup in comminutor bypass. Influent channel hydraulics deficient and do not allow for proper influent measurement. A temporary remedy is installed using 2 x 10 planks held in place with concrete blocks and is holding up well. Plant side streams input ahead of flow metering make it impossible for operator to accurately determine actual plant inflow.'

Item: 'D2. DynaSand Filters' received a rating of Marginal with comments: 'One unit online. Units are air lanced monthly. Updated chemical addition practices have improved performance. The filtrate discharge line from the sand filters is restricted and does not allow for full flow of filtrate out of the sand filter. This has been a chronic problem with this system.'

Item: 'D3. Microfiltration' received a rating of Marginal with comments: 'Unit #1 was off-line at the time of the inspection due to a bypass caused by a blown manifold. The high pressure backwashing units routinely have this issue. MF units still having chronic issues likely due to excessive particulate loading and blinded cartridges likely beyond recovery since clean-in-place (CIP) process was never properly done (due to inadequate CIP solution heating brought about by undersized heating elements in the break tank). New high pressure cartridges have been installed in both microfiltration units, spares have been ordered for future replacement. The newly installed inline strainer between the sand filter and the microfiltration units has successfully prevented any inorganic material from damaging the membranes. The recently installed CIP solution heaters are not working properly and do not bring CIP solution temperature to Siemens' own CIP temperature specification. A supplemental water heater has been plumbed and wired to augment this process and has been successful.'

**SPDES Permit Exceedance(s)**

None.

**Enforcements**

The NYSDEC and the Town of Andes executed an Order on Consent on November 19, 2010 related to the bypass event from October 1, 2010 along with previously reported treatment bypasses. A civil penalty of \$3,500 was assigned to the Town with a payable amount of \$1,750. The schedule of compliance present the following conditions to be met by the respondent to achieve compliance:

1. Respondent shall submit to the Department for approval, an Infiltration and Inflow (I&I) plan and schedule to investigate excessive I&I. The report must assess the quantities of I&I which can be economically eliminated from a sewer system as determined in a cost-effectiveness analysis that compares the costs for correcting the I&I to the total costs for transportation and treatment of the I&I. An I&I reduction plan will be submitted to address excessive I&I, including solutions to manage and redirect stormwater that is impacting the collection system and enforcement of the sewer use law.

NYCDEP WWTP Inspection Program  
EPA FAD Deliverable 6.2  
January 2011

**Facility: Andes (T) WWTP (continued)**

2. Develop and submit for approval an Asset Management Plan (AMP) for the entire Andes wastewater collection and treatment system. The AMP shall include, at a minimum, an inventory of Assets; an assessment of criticality and condition under the full range of flows experienced at the plant; a narrative supporting the criticality and condition assessment and rank and prioritization of assets.
3. Submit for approval a Capital Improvement Plan (CIP) for all the significant wastewater infrastructure improvement projects identified as the highest priority in the AMP, at a minimum. The CIP shall include a schedule for implementation and a cost effective analysis. Submit for approval plans and specifications and schedule for completion for facility improvements as specified in the approved CIP. Upon approval, the schedule will become enforceable under the terms of the Order.
4. Upon completion of the I&I and capital improvement work required as part of this order, revise the AMP to accurately reflect existing conditions and include a 5 year capital improvement plan with full cost pricing.

**Miscellaneous**

None.

NYCDEP WWTP Inspection Program  
EPA FAD Deliverable 6.2  
January 2011

**Facility: Bataviakill Recreation Area WWTP**

<b>Basin</b>	<b>SPDES</b>	<b>Inspected</b>	<b>Seasonal WWTP</b>	<b>Report Sent to Owner</b>
Schoharie	NY0124168	Yes	Yes	No

**Comments**

The facility upgrade is complete. A new pump station, aerated equalization (EQ) tank and a hold & haul building was constructed. The hold and haul system was placed into operation on 8/2/10.

**Inspections**

On October 21, 2010, staff performed a Follow-up Inspection of the facility. The recreation area is closed for the season and the holding tank has been pumped out completely and the building winterized.

During the inspection of the duplex grinder pump station, staff observed that the tank was completely full with water. The most likely cause was infiltration of groundwater. The town contacted the contractor, who conducted an investigation and repair of the tank. It was determined that the top corrugated access ring had a seal and band that was never tightened. The contractor hand dug around the tank and tightened the band. They did not backfill immediately in order to observe if it would be affected by any upcoming rain storms. The ring had seated properly and the area was backfilled.

**SPDES Permit Exceedance(s)**

None.

**Enforcements**

None.

**Miscellaneous**

None.



NYCDEP WWTP Inspection Program  
EPA FAD Deliverable 6.2  
January 2011

**Facility: Boiceville (v) WWTP**

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

**Comments**

This is a new infrastructure program (NIP) facility that services the village of Boiceville. Dirty water startup was conducted on 9/14/10. About 50 % of the lateral connections are complete.

**Inspections**

On December 2, 2010, 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: 'Heavy rains and flooding the day before the inspection. 5.4 inches was recorded over a 24 hour period. Standing water was observed in two locations within the building. One puddle is located in the generator room which is caused by a leak at the base of the roll up door and the other is in the SBR room. The ceiling looks like there is an accumulation of water in the exposed vapor barrier through out the entire room. The operators stated that both of these items are on the punch list of pending repairs by the contractor.'

**SPDES Permit Exceedance(s)**

None.

**Enforcements**

None.

**Miscellaneous**

None.

NYCDEP WWTP Inspection Program  
EPA FAD Deliverable 6.2  
January 2011

**Facility: Chichester (H) SSTS**

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

**Comments**

None.

**Inspections**

On December 2, 2010, 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: 'Average daily flow can be much higher than the SPDES permitted flow due to an infiltration and inflow (I & I) problem.'

**SPDES Permit Exceedance(s)**

None.

**Enforcements**

None.

**Miscellaneous**

None.

NYCDEP WWTP Inspection Program  
EPA FAD Deliverable 6.2  
January 2011

**Facility: Delaware BOCES WWTP**

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

**Comments**

None.

**Inspections**

On November 10, 2010 RCI staff performed a Quarterly Inspection. Items rated less than (S) satisfactory are indicated below:

Item: 'A2. Potable Water Supply Protection' received a rating of Unsatisfactory with comments: 'Backflow preventers still not inspected, Tag validating inspection on valve expired.'

Item: 'A4. Stand-By Power' received a rating of Unsatisfactory with comments: 'Generator is operational but hour meter is unchanged at 260 hours since August 2010, indicating the gen set is either not self testing or the hour meter is faulty. 26 volts on batteries, heaters are on, no visible alarms noted.'

Item: 'D1. Sequential Batch Reactors (SBR)' received a rating of Marginal with comments: 'New SBR motor installed on #1 SBR working well, good settling and color in tank. Replacement mixer for SBR #2 installed, aspirator valve installed but not yet wired, must be completed before SBR #2 can return to service.'

**SPDES Permit Exceedance(s)**

None.

**Enforcements**

None.

**Miscellaneous**

On November 18, 2010, staff was notified that the issue with the generator is the hour meter being inoperative. Per the operator, the generator is working OK and a repair is scheduled.

NYCDEP WWTP Inspection Program  
EPA FAD Deliverable 6.2  
January 2011

**Facility: Delhi (V) WWTP**

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

**Comments**

None.

**Inspections**

On October 04, 2010, staff followed up on heavy rain event at WWTP over weekend. Influent pumps could not handle incoming flow at their maximum output. Manhole at plant overflowed from 10/1/10 am to 10/2/10 am. The overflow was properly reported to all relevant regulatory agencies. The plant processed flow with no issues.

On November 17, 2010, 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  
January 2011

**Facility: DMV International Nutritionals (Cooling Water)**

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

**Comments**

None.

**Inspections**

On November 17, 2010, staff performed a semi-annual 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  
January 2011

**Facility: Elka Park WWTP**

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

**Comments**

None.

**Inspections**

On December 23, 2010, 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  
January 2011

**Facility: Fleischmanns (V) WWTP**

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

**Comments**

None.

**Inspections**

On October 27, 2010, 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  
January 2011

**Facility: Grahamsville (V) WWTP**

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

**Comments**

None.

**Inspections**

On November 15, 2010, 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  
January 2011

**Facility: Grand Gorge (V) WWTP**

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

**Comments**

None.

**Inspections**

On December 28, 2010, staff performed a Quarterly Inspection. Items rated less than (S) satisfactory are indicated below:

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 well over two years. The lock-out/tag- out date on the unit is 2/27/2008. The motor still needs to be replaced.'

**SPDES Permit Exceedance(s)**

None.

**Enforcements**

None.

**Miscellaneous**

None.

NYCDEP WWTP Inspection Program  
EPA FAD Deliverable 6.2  
January 2011

**Facility: Hanah Country Club WWTP**

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

**Comments**

None.

**Inspections**

On December 9, 2010, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

**SPDES Permit Exceedance(s)**

None.

**Enforcements**

None.

**Miscellaneous**

On October 01, 2010, staff spoke with the facility operator about the recirculating pumps. He stated that they both were repaired and installed.

NYCDEP WWTP Inspection Program  
EPA FAD Deliverable 6.2  
January 2011

**Facility: Hobart (V) WWTP**

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

**Comments**

None.

**Inspections**

On December 13, 2010, 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  
January 2011

**Facility: Hunter (V) WWTP**

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

**Comments**

None.

**Inspections**

On November 01, 2010, staff performed a Follow-up Inspection of Colonels Chair collection system. A new curtain drain was installed from the last manhole to the road side ditch. The water in the pipe was running half full. The flooding around the nearby residents has been corrected.

On December 17, 2010, 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  
January 2011

**Facility: Hunter Highlands WWTP**

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

**Comments**

None.

**Inspections**

On December 17, 2010 RCI staff performed a Follow-up Inspection of the facility to investigate the recent Giardia detection of a sample obtained on 12/8/10 with a value of 11 cysts. No mechanical or operational issues were discovered that could have led to the elevated count.

On December 17, 2010, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

**SPDES Permit Exceedance(s)**

On December 08, 2010, a DEP sample indicated a positive pathogen detection of Giardia with a sample result of 11 cysts found.

**Enforcements**

The DEP issued a verbal warning for the detection of Giardia on 12/8/10. Previous pathogen samples were collected from the post-aeration tank, an area that could have been contaminated by environmental factors. The samples are now collected inside the building. The operator is looking into some possible causes and corrective measures and will confer with his internal engineering section for guidance.

On December 14, 2010, staff delivered a Verbal Warning for a DEP Exceedance occurring on 12/1/10 for a Biochemical Oxygen Demand (BOD) value of 12.9 milligrams per liter (mg/l). The SPDES permitted limit is 5.0 mg/l.

**Miscellaneous**

None.

NYCDEP WWTP Inspection Program  
EPA FAD Deliverable 6.2  
January 2011

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

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

**Comments**

None.

**Inspections**

On December 20, 2010, staff performed a semi-annual 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  
January 2011

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

<b>Basin</b>	<b>SPDES</b>	<b>Inspected</b>	<b>Seasonal WWTP</b>	<b>Report Sent to Owner</b>
Pepacton	NY0104957	Yes	Yes	No

**Comments**

None.

**Inspections**

Staff performed Reconnaissance Inspections of the facility on November 3 and December 20, 2010. The facility has been properly winterized, the building is heated and the plant is in good working order.

**SPDES Permit Exceedance(s)**

None.

**Enforcements**

None.

**Miscellaneous**

None.

NYCDEP WWTP Inspection Program  
EPA FAD Deliverable 6.2  
January 2011

**Facility: Machne Tashbar (camp)**

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

**Comments**

None.

**Inspections**

On October 20, 2010, staff performed a Quarterly Inspection. Items rated less than (S) satisfactory are indicated below:  
Item: 'A2. Potable water supply inspection' received a rating of Unsatisfactory with comments: 'Backflow preventer still not inspected.'

**SPDES Permit Exceedance(s)**

None.

**Enforcements**

None.

**Miscellaneous**

None.



NYCDEP WWTP Inspection Program  
EPA FAD Deliverable 6.2  
January 2011

**Facility: Margaretville (V) WWTP**

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

**Comments**

None.

**Inspections**

On October 27, 2010, 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: 'Newly installed un-interruptible power supplies (UPS) need better placement Their placement directly on the floor below the control panels is not optimal. Staff recommends the UPS be placed off the floor either on a shelf of a small bench so that they will not be adversely affected by debris or water on the floor or inadvertent damage caused by staff. If the UPS are damaged, the critical equipment they control voltage to during a power outage may fail to function. A second potential issue is that the UPS batteries have a limited lifespan of 3-5 years normally. Staff suggested that the batteries be replaced before their anticipated lifespan is over as part of routine plant O&M.'

**SPDES Permit Exceedance(s)**

None.

**Enforcements**

None.

**Miscellaneous**

None.

NYCDEP WWTP Inspection Program  
EPA FAD Deliverable 6.2  
January 2011

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

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

**Comments**

None.

**Inspections**

On November 17, 2010, staff performed a semi-annual 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  
January 2011

**Facility: Mountain View Estates**

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

**Comments**

None.

**Inspections**

On December 23, 2010, staff performed a Quarterly Inspection. Items rated less than (S) satisfactory are indicated below:

Item: 'C3. Pump Stations' received a rating of Marginal with comments: 'There are three pump stations at the facility. One of the pumps in the pump station for the A & B building needs to be repaired or replaced.'

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. Derrick Wilcox of Delaware Engineering is working with Zenon to determine an acceptable method of repair. Zenon wanted the operators to empty the tank and take photos of the weld from the inside. They will do this ASAP from an operational stand point.'

**SPDES Permit Exceedance(s)**

None.

**Enforcements**

None.

**Miscellaneous**

None.

NYCDEP WWTP Inspection Program  
EPA FAD Deliverable 6.2  
January 2011

**Facility: Mountainside Farms-Worcester Creameries (Lagoon)**

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

**Comments**

None.

**Inspections**

On December 28, 2010, staff performed a Quarterly Inspection. Items rated less than (S) satisfactory are indicated below:

Item: 'C5 Ultra Violet (UV) disinfection' received a rating of Marginal with comments: 'UV unit display not working well, intensity remotely measured by technician at 6-9 mw/cm2 range, but display is not reading intensity, new boards and display units ordered and are to be installed ASAP.'

**SPDES Permit Exceedance(s)**

None.

**Enforcements**

None.

**Miscellaneous**

None.

NYCDEP WWTP Inspection Program  
EPA FAD Deliverable 6.2  
January 2011

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

<b>Basin</b>	<b>SPDES</b>	<b>Inspected</b>	<b>Seasonal WWTP</b>	<b>Report Sent to Owner</b>
Ashokan	NY0205460	No	Yes	No

**Comments**

A full upgrade of the camp collection and treatment systems was certified functionally complete on 12/31/2010. All of the equipment is operational. The system has been shut down and winterized and will be ready for the following camp season. There is a punch list of pending work items for the spring.

**Inspections**

None.

**SPDES Permit Exceedance(s)**

None.

**Enforcements**

None.

**Miscellaneous**

None.

NYCDEP WWTP Inspection Program  
EPA FAD Deliverable 6.2  
January 2011

**Facility: Olive Woods (Woodstock Percussion) WWTP**

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

**Comments**

None.

**Inspections**

On October 05, 2010, staff performed a Follow-up Inspection of the facility to check the sand filter pump station. The operator conducted an investigation and determined that the float valve in the sand filter pump chamber on the recirculation pipe was stuck in the closed position, causing the sand filters to be run as a single pass filter rather than recirculating to allow for proper secondary treatment. This was the cause of the BOD violation recorded on 9/17/10. The issue was repaired and the filter is operational.

On December 2, 2010, 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  
January 2011

**Facility: Onteora Jr-Sr High School WWTP**

<b>Basin</b>	<b>SPDES</b>	<b>Inspected</b>	<b>Seasonal WWTP</b>	<b>Report Sent to Owner</b>
Ashokan	NY0099856	Yes	No	Yes

**Comments**

The facility is conveying sewage to the newly operational Boiceville WWTP. The Onteora Jr-Sr High School WWTP will be decommissioned and the permit will be deleted in the summer of 2011. While the plant no longer processes wastewater, the facility still records a discharge due to I&I and must continue to operate in accordance with the SPDES permit.

**Inspections**

On December 2, 2010, staff performed a Quarterly Inspection. Items rated less than (S) satisfactory are indicated below:

Item: 'E1. Chemical Feed CL2' received a rating of Unsatisfactory with comments: 'There was no flow through the CBUDS however the Sodium Hypochlorite feed pump was running. This can lead to an overdose within the CBUD units which may carry over to the outfall.'

Item: 'E2. Chemical Dechlorination' received a rating of Unsatisfactory with comments: 'There was no flow through the CBUDS however the Sodium Hydroxide feed pump was running. The chemical injection point is at the effluent weir of the second stage filter. This can lead to an overdose of the effluent and possibly cause a BOD violation.'

**SPDES Permit Exceedance(s)**

None.

**Enforcements**

None.

**Miscellaneous**

None.

NYCDEP WWTP Inspection Program  
EPA FAD Deliverable 6.2  
January 2011

**Facility: Oorah Camp WWTP**

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

**Comments**

None.

**Inspections**

On November 29, 2010, staff performed a Quarterly Inspection. Items rated less than (S) satisfactory are indicated below:  
Item: 'D2. Open Bed Sand Filters' received a rating of Marginal with comments: 'Leak in Bed #3 has not yet been repaired. The facility will not receive an approved modification to their permit to increase flow to 25,000 gpd until this repair is completed.'

**SPDES Permit Exceedance(s)**

None.

**Enforcements**

None.

**Miscellaneous**

None.



NYCDEP WWTP Inspection Program  
EPA FAD Deliverable 6.2  
January 2011

**Facility: Pine Hill (V) WWTP**

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

**Comments**

None.

**Inspections**

On December 28, 2010, 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  
January 2011

**Facility: Prattsville (v) WWTP**

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

**Comments**

None.

**Inspections**

On December 28, 2010, 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  
January 2011

**Facility: Richardson Hill Road Landfill**

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

**Comments**

None.

**Inspections**

On November 10, 2010, 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  
January 2011

**Facility: Roxbury Lift Station**

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

**Comments**

None.

**Inspections**

On December 28, 2010, staff performed a semi-annual Inspection. All items were found to be satisfactory.

**SPDES Permit Exceedance(s)**

None.

**Enforcements**

None.

**Miscellaneous**

None.

NYCDEP WWTP Inspection Program  
EPA FAD Deliverable 6.2  
January 2011

**Facility: Roxbury Run Village WWTP**

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

**Comments**

Many of the microfiltration unit manifolds have been replaced over the last couple of years. These are high pressure backwashing units and the manifolds were damaged during backwashes. A safety cage will be installed over the side of the units to protect the operators from any future pipe failures; a recommendation made by DEP during previous compliance inspections. All of the filter modules have been replaced and the units are working well. When the manufacturer representative was on site to conduct the yearly O & M testing, they found a bad actuator on the unit #2. This was preventing that unit from completing a backwash and clean-in-place (CIP) maintenance cycle, leading to higher Trans membrane pressure (TMP). The actuator and valve have been replaced with a new brand (Bray Controls) which is less expensive than the original K.F.Contromatics brand. Both units are working well now.

**Inspections**

On December 9, 2010, 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  
January 2011

**Facility: Stamford (V) WWTP**

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

**Comments**

None.

**Inspections**

On December 13, 2010, staff performed a Quarterly Inspection. Items rated less than (S) satisfactory are indicated below:

Item: 'A7. Influent Impact on operations' received a rating of Marginal with comments: 'Inordinate amounts of oils and grease entering village waste stream. Excess grease within the influent channel is affecting process and grit removal. Recommend village enforce sewer use law related to how commercial users handle grease discharge and inspection of grease traps for proper operation and maintenance.'

**SPDES Permit Exceedance(s)**

None.

**Enforcements**

None.

**Miscellaneous**

None.

NYCDEP WWTP Inspection Program  
EPA FAD Deliverable 6.2  
January 2011

**Facility: Tannersville (V) WWTP**

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

**Comments**

None.

**Inspections**

On October 20, 2010, 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**

None.

NYCDEP WWTP Inspection Program  
EPA FAD Deliverable 6.2  
January 2011

**Facility: Timber Lake (Camp) WWTP**

<b>Basin</b>	<b>SPDES</b>	<b>Inspected</b>	<b>Seasonal WWTP</b>	<b>Report Sent to Owner</b>
Ashokan	NY0240664	Yes	Yes	No

**Comments**

This facility has a seasonal SPDES permit and is in operation for the summer months only.

**Inspections**

On December 09, 2010, staff performed a Follow-up Inspection of the facility. The facility is closed for the season. All of the outside tanks were empty and the clarifier and mixer tank were covered for the winter.

**SPDES Permit Exceedance(s)**

None.

**Enforcements**

None.

**Miscellaneous**

None.



NYCDEP WWTP Inspection Program  
EPA FAD Deliverable 6.2  
January 2011

**Facility: Walton (V) WWTP**

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

**Comments**

None.

**Inspections**

On December 6, 2010, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

**SPDES Permit Exceedance(s)**

None.

**Enforcements**

None.

**Miscellaneous**

On December 21, 2010, staff contacted the plant operator to discuss escalating, but still compliant, ammonia levels in effluent. Mitigation measures were discussed.

NYCDEP WWTP Inspection Program  
EPA FAD Deliverable 6.2  
January 2011

**Facility: Windham (T) WWTP**

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

**Comments**

None.

**Inspections**

On December 22, 2010, 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  
January 2011

**Facility: Carmel Sewer District #2**

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

**Comments**

None.

**Inspections**

On October 21, 2010, 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  
January 2011

**Facility: Clear Pool Camp**

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

**Comments**

None.

**Inspections**

On November 24, 2010, 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  
January 2011

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

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

**Comments**

None.

**Inspections**

On December 15, 2010, 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  
January 2011

**Facility: Lake Plaza**

<b>Basin</b>	<b>SPDES</b>	<b>Inspected</b>	<b>Seasonal WWTP</b>	<b>Report Sent to Owner</b>
Croton Falls	NY0143693	Yes	No	Yes

**Comments**

None.

**Inspections**

On November 18, 2010, staff performed a Quarterly Inspection. Items rated less than (S) satisfactory are indicated below:  
Item: 'D4. Intermittent Sand Filter Beds (2)' received a rating of Marginal with comments: 'Weeds should be removed.'

On December 02, 2010, staff performed a Reconstruction Inspection of the facility. About 95 percent of the necessary force main has been installed, awaiting final connection to the Route 6 trunk line.

On December 09, 2010, staff performed a Reconstruction Inspection of the facility. The pump station structure is in the ground.

**SPDES Permit Exceedance(s)**

None.

**Enforcements**

None.

**Miscellaneous**

None.

NYCDEP WWTP Inspection Program  
EPA FAD Deliverable 6.2  
January 2011

**Facility: Lewisboro Elementary School**

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

**Comments**

None.

**Inspections**

On December 15, 2010, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

**SPDES Permit Exceedance(s)**

None.

**Enforcements**

None.

**Miscellaneous**

The facility upgrade has been certified functionally complete and DEP authorized start-up and performance testing on 07/27/2010.

NYCDEP WWTP Inspection Program  
EPA FAD Deliverable 6.2  
January 2011

**Facility: Mahopac**

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

**Comments**

None.

**Inspections**

On November 9, 2010, 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  
January 2011

**Facility: Meadows at Cross River**

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

**Comments**

None.

**Inspections**

On October 28, 2010, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

**SPDES Permit Exceedance(s)**

None.

**Enforcements**

None.

**Miscellaneous**

On October 8, 2010, staff issued a letter accepting the As-Built drawings, in accordance with the facility upgrade contract, to the design engineer.

On November 4, 2010, staff issued a letter accepting the O&M Manual, in accordance with the facility upgrade contract, to the design engineer.

NYCDEP WWTP Inspection Program  
EPA FAD Deliverable 6.2  
January 2011

**Facility: Michelle Estates**

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

**Comments**

None.

**Inspections**

On November 18, 2010, 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  
January 2011

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

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

**Comments**

None.

**Inspections**

RCI conducted compliance inspections throughout the fourth quarter of 2010 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  
January 2011

**Facility: Ralph Morando Building (inactive)**

<b>Basin</b>	<b>SPDES</b>	<b>Inspected</b>	<b>Seasonal WWTP</b>	<b>Report Sent to Owner</b>
Croton Falls	NY0062561	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  
January 2011

**Facility: Waccabuc Country Club**

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

**Comments**

None.

**Inspections**

On October 6, 2010, staff performed a Quarterly Inspection. All items inspected were found to be satisfactory.

**SPDES Permit Exceedance(s)**

None.

**Enforcements**

None.

**Miscellaneous**

The facility upgrade is underway. Functional completion is anticipated for the second quarter of 2011.

NYCDEP WWTP Inspection Program  
EPA FAD Deliverable 6.2  
January 2011

**Facility: West Lake Sewer Extension**

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

**Comments**

None.

**Inspections**

Mr. Tom Baremore performed inspections of the West Lake Trunk Sewer monthly throughout fourth quarter of 2010 in conjunction with his 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.