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REMEDIAL ACTION REPORT

Record of Preparation, Review, and Approval

MOHONK ROAD INDUSTRIAL PLANT SUPERFUND SITE

HAMLET OF HIGH FALLS, ULSTER COUNTY, NEW YORK Identification Number: NYD986950012

OPERABLE UNIT 1

Alternate Water Supply System for the High Falls Water District

This report has been prepared in accordance with USEPA OSWER Directive 9320.2-09A and will be used as the basis for development of the site Final Close Out Report



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OPERABLE UNIT 1

ALTERNATE WATER SUPPLY REMDIAL ACTION

INTRODUCTION

This document presents the Remedial Action Report (RAR) for the construction and operation of a new public water supply system, providing an alternate water supply (AWS) to those with impacted or threatened private supply wells at the Mohonk Road Industrial Plant (MRIP) Superfund site (the Site) (Identification No. NYD986950012) located in the Hamlet of High Falls, New York. This report is consistent with the requirements of the U.S. Environmental Protection Agency (USEPA) guidance documents entitled, *Remedial Action Report: Documentation for Operable Unit Completion* (June 1992), and *Closeout Procedures for National Priorities List Sites (OSWER Directive 9320.2-09A-P, PB98-963223)* (January 2000).

This Remedial Action Report (RAR) has been prepared by Conti Federal Services, Inc. (Conti). This report provides a synopsis of the action performed including the construction phase, commissioning phase, point of entry treatment systems (POETs) decommissioning phase, warranty and transitional phase affecting residential and commercial entities within the Hamlet of High Falls.

This project was executed under contract to the U.S. Army Corps of Engineers (USACE), Remedial Action Contract No. W912DQ-05-D-0002, Task Order No. 0002.

This RAR was developed by Conti via the USACE for USEPA Region 2 (USEPA R2) in consultation with the New York State Department of Environmental Conservation (NYSDEC).

OPERABLE UNIT BACKGROUND

The MRIP site is located in the Hamlet of High Falls in Ulster County, New York, approximately 12 miles south-southwest of the city of Kingston and 7 miles north-northwest of the village of New Paltz. It is situated within the towns of Marbletown and Rosendale. The area is primarily residential. The MRIP site itself is located on Mohonk Road, south of High Falls. The site consists of the MRIP property (186 Mohonk Road), as well as surrounding properties that have been impacted by a volatile organic compound (VOC) contaminated groundwater plume originating from the MRIP property.

The MRIP site first came to the attention of state and local authorities in April 1994 when a resident near the MRIP site contacted the Ulster County Health Department (UCHD) concerning the quality of her drinking water (Lawler, Matusky & Skelly Engineers LLP (LMS). (1998)). The analytical results for water samples collected from the private well by the UCHD indicated that water from the well contained elevated levels of VOCs. Additional sampling around the area was performed by the UCHD, the NYSDEC, and the USEPA. NYSDEC monitored, from July 1994 through 1998 and subsequent groundwater monitoring was conducted by USACE from 2002 to 2008.

Sampling results have shown the contaminated groundwater plume has an areal extent of approximately 170 acres and extends approximately 4,000 feet from the MRIP property. The total VOCs concentrations are at least 10 parts per billion (ppb); in some cases the concentration is over 10,000 ppb. Total VOCs present in the plume consist mainly of 1,1,1-trichloroethane (TCA) and its degradation products (e.g., 1,1-

dichloroethane [DCA] and 1,1-dichloroethene [DCE]), as well as trichloroethylene (TCE). In addition, 1,4dioxane was detected in low concentrations at several locations within the plume. It should be noted that the POET systems did not effectively remove 1,4-dioxane.

The MRIP Site was added to the National Priorities List (NPL) on January 19, 1999 and on March 31, 2000 a Record of Decision (ROD) for the Site was completed.

One of the remedial action objectives (RAO) for the site was to "eliminate inhalation and ingestion of, and dermal contact with, contaminated groundwater associated with the Site that does not meet state and federal drinking water standards". Groundwater, drinking water, and surface water standards identified for the site are based on New York State Ambient Water Quality Standards and Guidance Values (NYSDEC 1998); New York State Sanitary Code, 10 NYCRR § 5 (1992); and the National Primary Drinking Water Regulations, 40 CFR § 141 (2007) as set forth by the Federal Safe Drinking Water Act.

The ROD concluded that a permanent, alternate water supply for all the private well owners impacted or threatened by contamination from the site would be required to meet the RAO. Therefore the ROD determined a public water supply system to provide potable water to residences and businesses in the towns of Marbletown and Rosendale impacted or threatened by the contaminated groundwater plume would be required. This RAR documents this remedial action – alternate water supply (AWS).

To accomplish this RA, a water treatment plant has been constructed, along with a water tower providing backup storage for the High Falls Water District (HFWD) as required by the New York City Department of Environmental Protection (NYCDEP). A connection was made to the nearby Catskill Aqueduct (owned by the NYCDEP) to provide raw water for the HFWD. This water is treated in the treatment plant and ultimately delivered to the residents of the HWFD, through distribution lines.

SELECTED REMEDY

Based upon an evaluation of the various alternatives and consideration of community acceptance, the EPA and NYSDEC, in the March 2000 ROD, selected the construction of a public water supply system using the Catskill Aqueduct and extraction and ex-situ treatment of contaminated groundwater for the groundwater remedy. The selected source control response was excavation and off-Site disposal of volatile organic compound contaminated soils.

Description of the Alternate Water Supply Remedy

The Alternate Water Supply (AWS), included the construction and operation of a new public water supply system providing potable water to the residences or businesses in the Towns of Marbletown and Rosendale with impacted or threatened private supply wells, with the Catskill Aqueduct as the water supply. The AWS was constructed according to plans and specifications provided by the NYCDEP and Ecology and Environment Engineering, P.C.

Appendix B- Site Location Plan shows the major components of the AWS, and the location of these components. Raw water is conveyed from the Catskill Aqueduct through the Rondout Dewatering Chamber to a raw water storage tank on the MRIP property. The transmission line is constructed of ductile iron, and installed in a trench approximately 4 feet below ground surface. Approximately 2,400 feet. of piping was installed for this stretch of pipe. The raw water storage tank is constructed of steel and has a storage capacity of approximately 500,000 gallons. Gravity-fed water flows to the treatment plant from the raw water storage tank, where the water is filtered and treated. Treatment consists of equalization, pH adjustment, coagulation, flocculation, clarification, filtration, and disinfection. The treatment plant has the capacity to treat two times the average daily flow (approximately 126,100 gallons per day, or 88 gallons per minute). Pumps are sized to transfer five times the average daily flow (220 gallons per minute). Backwash is diverted to the backwash pit and then pumped to the settlement lagoons and eventually pumped to the Roundout Creek. This discharge water is routinely tested as required, according to the requirements of the in-place NYSDEC SPEDES permit. A similar treatment scheme is currently used by the Village of New

Paltz to treat its water supply, a portion of which is also drawn from the Catskill Aqueduct. Implementation of the AWS remedy required the formation of a community water district in the Towns of Marbletown and Rosendale, known as the HFWD. The HFWD has entered into a use agreement with the NYCDEP. A connection to the Rondout Dewatering Chamber on Canal Road was made, and a main was installed to transfer raw water from the Rondout Dewatering Chamber to the treatment plant.

Finished (treated, potable) water is pumped from the treatment plant to a nearby elevated storage tank with a 350,000 gallon capacity. Gravity fed water from the finished water storage tank feeds the distribution system of the HFWD. The distribution system consists of ductile iron primary mains and copper connection lines to buildings within the HFWD. Pipelines are installed in trenches approximately 4 to 5 feet below ground surface under major roads. The distribution system consists of roughly 28,000 linear feet of installed primary main. A total of approximately 192 properties in the HFWD, 155 developed properties, and one property currently being developed, are connected to the distribution system. Appendix B – Site Location Plan depicts the conceptual layout for this system.

The AWS included the use of the Catskill Aqueduct as a new potable water supply source and the establishment of a water distribution system in the HFWD. Pursuant to the Surface Water Treatment Rule (40 CFR Parts 141 and 142), raw water from the aqueduct requires treatment to remove conventional contaminants, such as particulates, color, taste, odor, and microbes. A conventional treatment scheme for a surface water supply, such as the aqueduct water, includes coagulation, flocculation, sedimentation, and filtration. After filtration, a final disinfectant (e.g., chlorine) is added to inactivate bacteria and other microbes, and control algal growth.

Two vertical turbine pumps transfer treated water to the elevated finished water tank. A distribution system was constructed to convey the treated water from the elevated finished water tank to the end service users in the HFWD. This system provides fire protection complying with local requirements. As part of the NYCDEP use agreement, the aqueduct could be down for three consecutive periods, each period consisting of 5 consecutive days, interrupted by a resumption of the connection for two consecutive days. To meet this requirement, the AWS was designed and constructed so that the raw and finished water storage capacity will provide the capacity for six future average daily demand days while the aqueduct is shut down. For emergency situations, the treated discharge from the adjacent groundwater treatment plant may also be used. A pipeline runs from the groundwater plant to the Raw Water Valve House, and can be activated to provide treated water in emergency situations only. During normal plant operations, this emergency pipeline is inactive.

This AWS also included continued operation of the NYSDEC interim remedial measure to monitor and maintain the individual GAC filtration systems that were in use until the AWS was operational. This alternative also included institutional controls in the form of existing governmental controls that will be relied upon to prevent future use of the bedrock aquifer in the impacted or threatened area until the groundwater is restored to beneficial use through the groundwater remedy.

For additional information regarding the construction of the water treatment facility and distribution mains refer to the Project 'As-Builts' plans and specifications and the Commissioning Report and Appendix C – Process Flow Diagrams.

Construction Schedule

A copy of the construction schedule is included in Appendix D. Key milestone activities are listed below.

	Contract A ward	15-Jul-05
	Submit Certificates of Insurance	27-Jul-05
	Submit Surety Bonds	27-Jul-05
	Preconstruction Meeting	15-Aug-05
	Construction Phase A Water Treatment Facility Begins	25-Aug-05
	Construction Complete Tie into Catskill Aqueduct Siphon House	30-Apr-06
	Construction Complete Elevated Finish Water Tank	25-Aug-06
	Construction Complete Raw Water House	1-Mar-07
	Water Treatment House Complete	1-Mar-07
	Construction Phase B Water Distribution System Begins	23-Feb-06
Ξ.	Construction of Distribution Mains Complete	20-Dec-07
	Construction of Service Connections Complete	31-Dec-07
	Disinfection of Water Treatment Facility	1-May-07
•	Startup Sampling Analysis Begins	1-May-07
•	Shakedown Sampling Analysis Begins	6-May-07
	Commissioning of Water Treatment System	19-Sep-07
•	Final Service Connections	31-Dec-07

Protection of trees and shrubs

All trees, shrubs, and other structures in close proximity to the limit of disturbance were protected against damage by the use of barriers to avoid damage or outright removal. All storage and temporary construction structures were located in such a manner as to preserve the landscape to the maximum extent possible. Conti, *Mohonk Road Industrial Plant Superfund Site Environmental Protection Plan*, September 2005.

Work Areas

Prior to initiation of work, work areas were identified for the areas to be disturbed and for the areas to remain undisturbed. Construction activities were not permitted within the wetlands area identified on the contract drawings within the plant site without prior approval of the USACE Contracting Officer's Representative (COR). Areas were identified for location of the field offices, staging areas, stockpile storage and temporary structures. Staging areas were utilized through the town. The contractor made every effort to utilize corners of blocks to stage material.

Soil Erosion Control

Erosion and sediment control structures were installed prior to the initiation of any intrusive site activities and installed according US Department of Agriculture Natural Resource Conservation Service guidelines and requirements of NYSDEC best management practices. The contractor followed the soil erosion and control plan.

Silt fence was installed at the toe of slope of spoil-piles and overburden preventing migration to protected areas. Stockpiles that sat for over a 90 day period were temporary seeded with rye seed.

Water Resources

The following actions were taken to protect construction materials such as fuels, oils, asphalt, calcium chloride and other potentially harmful materials from fouling the ground or streams:

- Construction materials and fluids where practical were stored in watertight containers;
- Other material too large to be stored in containers and posing a threat to groundwater or surface water were raised off the ground placed on a liner and covered by plastic;

- Mechanics were diligent in exercising precautions when servicing machines and changing oil and fluids, so as to reduce the possibility of spillage;
- Equipment servicing where practical was performed in the equipment storage and service area as this area was graded to minimize the possibility of runoff in the event of a spill;
- Oil changes were performed over a PVC liner such that spillages onto the liner would be cleaned up with absorbent material immediately;
- Waste oil and fluids were removed from site by the service truck;
- Equipment was routinely inspected for leaks;
- Derived water used on-site for decontamination, de-chlorination and sanitary purposes was managed in accordance with the specifications and in compliance with all federal, state and local requirements.

Surface Water and Erosion Control Measures

Silt fence and hay bales limited the surface water runoff and soil loss. Silt fence was installed and maintained around the perimeter of the project site in accordance with the approved soil erosion control plan. In areas having excessive slopes, such as at the back of the settling lagoons, additional measures such as swales and soil berm construction were installed to restrict the run off to disturbed areas. Surface drainage was limited by grading the site within the construction limits to minimize erosion.

Inspection and Maintenance of Control Measures

The CQCSM conducted weekly inspections of the erosion and sedimentation control measures directing repair and maintenance as required and documented in the Daily Contractor Quality Control Report and submitted to the USACE.

Spill Confinement and Containment

Throughout the construction phase the Site Superintendent monitored dust levels and where possible reducing levels of airborne particulates by implementing following dust control initiatives:

- Wetting equipment during loading activities.
- Spraying water on buckets during loading.
- Hauling materials in properly tarped or watertight containers.
- Restricting vehicle speeds.
- Covering excavated areas and material piles after excavation activity ceases.
- Reducing the excavation size and/or number of excavations.

The major construction activities for this project were: clearing and grubbing, excavation and stockpiling, debris/soil loading, installation of piping, construction of the water treatment facility, construction of storage tanks, and installation of roadway and parking facilities. For activities such as excavation, dust was a major concern and consequently, dust control measures were implemented. For dust suppression Conti maintained a fleet of self-propelled and trailer-mounted water wagon tanks, which were all suited for large areas of exposed soil.

NON-HAZARDOUS SOLID WASTE DISPOSAL

Waste Minimization

The Remedial Action Contractor participated in the NY State and local sponsored recycling programs to minimize the volume of solid waste disposal from the site. A containerized waste service, Taylor Recycling, removed this type of waste from the jobsite. Wood chips were spread on site, and stumps and any other debris were removed. Also, from September 2007 through December 2007, all Point of Entry Treatment (POET) systems were removed from local residences and businesses. The units were stored in a box trailer on-site and eventually delivered to NYSDEC for potential reuse.

Bruceville Soils

During the course of the project, approximately 5,500 cubic yards of excess soil was generated, due to pipeline installation and roadway excavation. This excess material was stored on the Falk/Evans property on Bruceville Road. The material piles were sampled and analyzed for VOCs, SVOCs, Metals, and PCB/Pesticide contamination. The results of the sampling showed that there was some VOC and metals contamination. The VOCs and SVOCs contained in the samples were consistent with soils found in adjacent roadways (byproducts of oils and tars). The metals contained in the samples were consistent with the components of regional rock formations, and not a concern. Because of the slight contamination, the USEPA classified the soil as only for use under/adjacent roadways, and not suitable for residential construction. With EPA and NYSDEC authorization, approximately 3,500 cubic yards of the material were placed by Conti along Bruceville Road, to widen the shoulder as directed by the Town of Rosendale. The remaining 2,000 cubic yards is to remain on the Falk/Evans property along Bruceville Road, for future use by the Town of Rosendale. See Appendix K for Letter of release from Mr. Falk, Evans, and Carl Hornbeck, Town of Rosendale's Highway Superintendent.

CONTAMINANT PREVENTION

Hazardous Substances Identification

Diesel was stored in a 1,000-gallon double containment tank inside a lined berm, insuring that spills were contained. Gasoline was stored in 5-gallon cans for use with small engines. A maximum of 15 gallons of gasoline was stored on site in an OSHA compliant cabinet. Form Oil was stored in 55 gallon drums- a maximum of two barrels were stored on site at any time. Motor oil and hydraulic was stored in 5 gallon cans for use in the machinery.

Material Safety Data Sheets

As standard protocol Material Safety Data Sheets were continually updated and maintained on site for easy access to personnel.

Pollution Prevention

Hazardous fluids used on the project were stored using double containment. Spill cleanup kits were kept on site. Fueling of small engines and oil changes were performed in an area adjacent to the fuel tank within a protected area.

WASTE WATER MANAGEMENT

Waste Water Discharge Procedure

Derived waters produced as a by-product of the construction activities such as clean up water, dewatering of ground water, disinfection water, hydrostatic test water, and water used in the flushing of lines was returned to the environment through USACE COR approved means.

FIELD ACTIVITIES BY AREA OF CONCERN

This remedial action was completed in two phases:

- Phase 1 the soil sampling and analysis phase of the project.
- Phase 2 created a new water district for the Hamlet of High Falls, providing potable drinking water to the service area. This phase included analyzing the raw and treated water for compliance with the drinking water parameters established by the State and local departments of health. This entailed having Test America, Inc., a NYSDOH certified water quality laboratory, obtain test

samples from the designated locations (refer to sampling analysis plan) for testing. These results were sent to NYSDOH, UCHD, USEPA, and USACE for review.

Sampling was defined and performed in accordance with the Conti Mohonk Road Industrial Plant Superfund Site Sampling and Analysis Plan, dated April, 2007. Sampling and analysis for the Water Treatment System was broken into three definitive areas. These areas include:

- Water treatment plant startup process water sampling;
- Water treatment plant shakedown process water sampling;
- Water treatment plant acceptance of system water sampling.

Sampling results from each area can be seen in the Commissioning Report.

Water Treatment Plant Startup Process Water Sampling

The system start-up began on May 1, 2007, which included five day training period, followed by a thirty day shakedown period. Training on system operation, functions, and initial system startup was provided to the HFWD operators by a representative from Siemens Water Technologies, supplier of the water treatment system components.

An initial sample was collected from the raw water influent and the treated effluent and evaluated against the drinking water standards relative to the service area, water source, and treatment process.

Grab samples were collected directly from a tap near the influent line for raw water, and a tap from a treated effluent line. The taps were purged for approximately 10 minutes and wiped with a dilute chlorine bleach solution prior to collecting samples. Samples were analyzed for coliform, followed by VOCs, Nitrates, and the remaining parameters in accordance with the SAP.

During the initial startup of the filter/clarifier units, signs of air entrainment were observed in the clarifier section. The source of the entrained air was unable to be attributed to any of the installed equipment, and was attributed to air entrainment in the Catskill Aqueduct. The air entrainment did not affect the quality of the treated water; however, higher turbidity was noted on the untreated raw water. This excess air entrainment dissipated during the Shakedown Period and was eventually returned to normal levels. The excess air entrainment is likely a seasonal event related to turbidity of the Ashokan Reservoir and Catskill Aqueduct.

Water Treatment Plant Shakedown Process Water Sampling

The shakedown process included taking discrete influent and treated effluent samples at a rate of one each per two hours of operation over the course of 30 days, in order to optimize the WTP efficiency. These samples were taken for on-site analysis of lead content and pH. A daily grab sample of the influent and effluent was also collected for off-site analysis of lead, turbidity, coliform, and other analyses as determined by the shakedown period sampling requirements outlined in the project SAP. Please refer to the SAP for further detail on sampling procedures and requirements, and to the Commissioning Report for the sampling results.

Because optimization of the treatment plant during the shakedown process required near immediate turn around time of results, parameters lead and turbidity were analyzed initially using field analytical (Hach) procedures. Confirmation analysis was performed using a fixed certified sub-contract laboratory for a daily sample. The daily sample included analysis for total coliform. Grab samples were collected directly from a tap near the influent line for raw water, and a tap from a treated effluent line.

Field Quality Assurance Sample Testing confirmed the general precision and accuracy of the field meter procedures to the laboratory results. MS/MSD samples were collected and analyzed to measure the

laboratory precision and accuracy. A summary of all testing performed and associated results may be found in the Commissioning Report.

Water Treatment Plant Acceptance of the System Water Sampling

Final acceptance of the water treatment system was determined by the final testing frequency and test parameters required by the State and local departments of health and required the following test parameters: total coliform, turbidity, metals (antimony, arsenic, barium, beryllium, cadmium, chromium, copper, lead, mercury, nickel, selenium, thallium), cyanide, fluoride, nitrate-N, nitrite-N, VOCs (including Tri Halo Methanes), and halo acetic acids. Testing was performed at the influent, treated effluent, Finished Water Tank, and all distribution mains throughout the water district. All results were acceptable according to state and federal standards. A copy of all test reports can be found in the Commissioning Report.

Water Treatment Plant Discharge Sampling

The Treatment Plant generated wastewater in the form of flushing and back washing of the filters. This wastewater was treated and discharged in accordance with the SPDES permit. A copy of the facility's State Pollution Discharge Elimination System (SPDES) permit can be seen in the Commissioning Report. The permit required monthly composite and grab sampling of the site's discharge to Rondout Creek. Analysis included total suspended solids and lead on a 24 hour composite; and, settleable solids and total chlorine residual on a grab sample at the frequency proposed in the Sampling Analysis Plan. Furthermore, grab samples were collected directly from effluent line as detailed in the permit. The 24 hour composite sample was taken from the same point concurrently with the grab sampling event.

DISINFECTION AND BACTERIOLOGICAL TESTING

Chlorination of the Raw Water Tank, Finished Water Tank and Clearwell

The following chlorination plan was executed for the three respective tanks (Raw Water Tank, Clearwell and Finished Water Tank) to comply with AWWA C652-02 Disinfection of Water Storage Facilities-Chlorination Method Number 3. Water and chlorine is added to the tank in amounts such that the solution will initially contain 50mg/L available chlorine filling approximately 5% of the total storage volume. This solution was stored for a period of not less than 6hrs. The tank was then filled to the overflow level by flowing potable water into the highly chlorinated water. This chlorine solution was retained for a period no less than 24hours and then the highly chlorinated water was purged from the drainpipe.

After the chlorination procedure was completed water from the full raw water tank was sampled and tested for coliform organisms in accordance with the latest edition of the Standard Methods for the Examination of Water and Wastewater. Water was tested to ensure that no offensive odor exists caused from chlorine reactions or excess chlorine residual.

A full list of the chlorination results are documented in the Commissioning Report.

Chlorination of the Water Mains

The following disinfection plan was executed for the distribution lines and service connections at the site complying with the AWWA C651-05 Disinfection of Water Mains- Chlorination Method Number 2 'Continuous-Feed Method'. The mains were filled eliminating air pockets and flushed to remove particulates. Static head from the Finished Water Tank was utilized to maintain the minimum 2.5ft/sec flushing velocity. An outlet valve at the Finished Water Tank will allow heavily chlorinated water to fill the water main. The chlorinated water was retained in the main for at least 24 hours. During this retention time valves and hydrants were continually opened and closed to ensure disinfection. The heavily

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chlorinated water was flushed from the main, fittings, valves, and branches until the chlorine concentration meets the acceptable drinking water standards for domestic use by the NYDOH.

After the final flushing and before the new water main was commissioned, two sets of acceptable samples, taken at least 24 hours apart, were collected from the water main. Samples were obtained at the following frequency:

- At least one set of samples every 1200 ft along the new water main;
- At least one set of samples from the end of the line; and
- At least one set of samples from each branch.

STL the independent tasting lab verified the conformance of water samples for bacteriological (chemical and physical) quality in accordance with the Standard Methods for Examination of Water and Wastewater, and show the absence of coliform organisms; the presence of chlorine residual, turbidity, pH and a standard Heterotrophic Plate Count (HPC) test.

A full list of the chlorination results are documented in the Commissioning Report.

COMMISSIONING PROCESS

The Mohonk Water Treatment Plant was commissioned in accordance with the approved commissioning plan following the Tier 10 NYCRR 5-1 regulations in order to obtain approval by the State to operate the facility.

The CQCM monitored the performance of the systems and sub-systems throughout the commissioning process by recording the results of each test on the test checklist forms. The system checklists placed sequentially in phase order, beginning with the pre-startup phase, and continuing through to the warranty phase.

Copies of the system test and test checklist of each system is detailed in Appendix B of the Mohonk Commissioning Report.

Pre-Startup Phase

The pre-startup phase included the startup and testing of all systems and subsystems within the water treatment system. Field tests were performed in accordance with the specification and manufacturers' recommendation in front of the manufacturer's representative.

During this phase the contractor diverted excess water into the settling lagoons; testing chlorination and bacteria levels in accordance with the AWWA and Tier 10 NYCRR 5-1 guidelines and the SAP before discharging into the Rondout Creek in accordance with the SPDES Permit issued by the NYSDEC.

Startup Phase

The startup phase confirmed that the water treatment plant is one fully integrated system, performing programmed functions such as normal and backwash cycles on schedule and meeting the NYSDOH water quality requirements.

Some of the items tested during this phase include:

- Confirm that the water level in the raw water tank and finished water tank is automatically controlled;
- Initiate water quality testing in accordance with the SAP;
- Check that the filters backwash automatically;
- Check that the lagoon ejector pumps work automatically and manually; and
- Test and calibrate the meter chamber venture meters.

During the startup phase the contractor diverted excess water into the settling lagoons; testing chlorination and bacteria levels in accordance with the AWWA and Tier 10 NYCRR 5-1 guidelines and the SAP before discharging into the Rondout Creek, in accordance with the SPDES Permit issued by the NYSDEC.

Full System Test

During this phase, the internal commissioning team operated the plant online, keeping accurate records, monitoring the plant and the water quality diverting excess water into the settling lagoons, testing chlorination and bacteria levels in accordance with the AWWA and Tier 10 NYCRR 5-1 guidelines and the SAP.

Upon completion of this phase the QCSM and CxA confirmed to the Commissioning Team that the plant was fully operational and is ready to be formally commissioned.

The plant was run for approximately 5 months before formal turnover to the High Falls Water District.

Commissioning

During this phase, the commissioning team was mobilized. The team consisted of representatives from the General Contractor (Conti Environment & Infrastructure, Inc.), the USACE, USEPA, HFWD, Siemens Water Technologies, NYSDOH and UCHD. A listing of the Commissioning Team members and their responsibilities can be found in the Commissioning Plan. The team performed a number of field tests; monitoring the performance and the water quality of the treatment plant testing conformance against the Tier 10 NYCRR 5-1 Public Water Systems guidelines diverting excess water to the settling lagoons, testing chlorination and bacteria levels in accordance with the AWWA guidelines and the SAP before discharging into the Rondout Creek in accordance with the SPDES Permit issued by the NYDEC.

TRANSITIONING AND O&M

Transitioning

The water treatment plant and system received a NYSDOH Approval of Completed Works, dated September 24, 2007 (refer to *Appendix E – NYDOH Certifications, Permits and PE Signoff*). Certified plumbers, licensed in Kingston, New York completed the final service entry connections; removing the government supplied filtration systems and storing them on the water treatment plant site. Plumbers then sequentially connected the domestic water supply, validated system operation, cut and capped well piping and disconnected power to the well pump switch.

Operation & Maintenance (O&M) Training and Materials

During this period (July 2007-August 2007), the contractor's certified waste water operator operated the water treatment system, in conjunction with the High Falls Water District Personnel, for a period of 30 calendar days providing instruction to the High Falls Plant Operators into the intricate components of the plant: covering topics such as replacing media granules, the clarification process, chemical processes, power outage and the service billing software.

The commissioning team received training on the following systems:

- Equipment, including computer software, remote metering equipment, water pumps, automatic and manual valves and pressure reducing valves;
- Heat generation including boilers, feed-water equipment, pumps hot water distribution piping and gas terminal units;
- Ventilation and air conditioning, including terminal air conditioning units and exhaust fans;
- HVAC instrumentation and exhaust fans;

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- Electrical service and distribution, including switchboards, panel boards and motors;
- Package engine generators, including transfer switches;
- Exterior lighting equipment and controls; and
- Water treatment package system, including chemical feed systems.

The QCSM scheduled factory authorized service representatives, experienced in operation and maintenance training procedures to teach the sessions. A short listing of contractors and the training they provided is listed below:

Koester Associates – Chemical feed, lagoon, backwash pit, and septic pump O&M AquaLogics – Controls Systems Siemens Water Technologies – Water treatment plant optimization/operation Perreca Electric – Fire/Security System

The modules covered the following topics:

- emergency manuals;
- operations manuals;
- maintenance manuals;
- project record documents;
- identification systems;
- warranties and guarantees; and
- maintenance services agreements and similar continuing commitments.

WARRANTY

The contractor has provided a one-year warranty commencing upon completion of the transitional phase to cover defective components and installations. A full list of items under extended warranties can be seen in the Warranty Plan.

CERTIFICATE OF READINESS

Certificates of Readiness were signed and dated by the CQCSM and the Commissioning Authority in essence certifying that the named system and associated sub-system are fully operational. Copies of these certificates can be found in Appendix H of this report.

CHRONOLOGY OF EVENTS

For a detailed project Construction Schedule refer to Appendix D

March 2000	The ROD for comprehensive cleanup of the Site signed
July 2005	Contract Award
-	
July 2005	Submit Certificates of Insurance
July 2005	Submit Surety Bonds
August 2005	Preconstruction Meeting
August 2005	Construction Phase A Water Treatment Facility Begins
August 2005 to March 2007	Installation of Raw Water Tank
August 2005 to August 2006	Installation of Finished Water Tank
February 2006 to September 2007	Installation of the Distribution Mains
July 2005 to August 2006	Tie-in to the Catskill Aqueduct
September 2005 to May 2007	Construction of Water Treatment Plant
May 2007 to September 2007	Commissioning Phase of Water Treatment Plant
August 2007 to September 2007	Sampling Analysis Plan Complete
September 2007	NYSDOH certifies Approval of Completed Works - start of POET/GAC

	system removal and user hookups to new potable water system
December 2007	All POET/GAC systems decommissioned - all residences within the HFWD
	hooked up to new potable water system.

APPLICABLE REGULATIONS AND STANDARDS

Final acceptance of the water treatment system was received from the New York State Department of Health in the form of a Approval of Completed Works. A copy of this approval can be found in Appendix E. Also included in this appendix are PE Certification, and applicable permits.

FINAL INSPECTION AND CERTIFICATION THAT REMEDY IS OPERATIONAL AND FUNCTIONAL

Final acceptance of the water treatment system was received from the New York State Department of Health in the form of a Approval of Completed Works, September 24, 2007. A copy of this approval can be found in *Appendix E – NYDOH Certifications, Permits and PE Signoff.* Also included in this appendix are PE Certification, August 28, 2007, and applicable permits. Residential potable water supply hookups began in September 2007. All residential service connections and POET system removals were inspected by the USACE COR. These inspections were performed from September 2007 through December 2007. A total of approximately 192 properties in the HFWD, 155 developed properties, and one property currently being developed are connected to the distribution system.

SUMMARY OF PROJECT COSTS

Mohonk Water Treatment Facility Labor \$ 2,262,490.05 Permanent Materials \$ 1,579,255.23 Sub-Contractor 3,418,573.64 \$ Equipment \$ 770,892.35 General & Administrative \$ 378,990.00 Contract Cost \$ 8,410,201.27 Overhead and Profit \$ 1,307,606.73 9,717,808.00 **Contract Value** \$

Water Distribution Systems and Service Connections

Labor	\$	1,952,635.38
Permanent Materials	\$	2,027,247.13
Sub-Contractor	\$	1,145,018.79
Equipment	\$	1,430,043.26
General & Administrative	\$	134,498.00
Contract Cost	\$	6,689,442.56
Overhead and Profit	\$	1,368,801.44
Contract Value	\$	8,058,244.00
Total Remedial Action	n Expenditure	
Total Contract Cost	\$	15,099,643.83
Total Overhead and Profit	\$	2,676,408.17
Total Contract Value	\$	17,776,052.00

The total final project costs have not yet been finalized but are currently expected not to exceed the \$20,000,000 that has been obligated through an interagency agreement (DW96942040-01) with the U. S. Army Corps of Engineers (USACE) to oversee and construct the alternate water supply. The summary table above does not include contractual change orders or USACE oversight costs.

OBSERVATIONS AND LESSONS LEARNED

During the Commissioning processes several characteristics were observed and noted, but did not result in corrective actions, nor were these items perceived as deviations to the remediation design. These observations are presented to document the field conditions observed during the Commissioning.

- There is no physical overflow protection provided for the clearwell. Water levels in the clearwell serve to prevent the clearwell from overfilling, but in the event of a failed interlock, the clearwell could overflow into the water treatment plant resulting in filtered water flowing into the backwash trench, and from there into the backwash wetwell.
- The electrical room is not provided with a ventilation fan and the room becomes very warm in summer during the plant operation.
- During the initial startup of the clarifier/ filter units, signs of air entrainment were observed in the clarifier section. The source of the entrained air was unable to be traced to any installed equipment and was attributed to air entrainment in the Catskill Aqueduct. Over time the percentage of air entrained in the raw water tank dissipated. As mentioned earlier in this report, the excess air entrainment appears to be a seasonal issue related to increased turbidity in the Ashokan Reservoir and Catskill Aqueduct. The air entrainment poses no threat to the quality of the water delivered to the residents and businesses of the High Falls Water District.
- Under normal plant operations the caustic solution in the chemical room was deemed redundant as the pH in the Catskills Aqueduct is at an adequate level. The system was tested and is capable of maintaining a pH of 6.5 in the plant.
- Orthophosphate is not being injected into the process stream. This chemical is used as a corrosion inhibitor, and can form a protective coating on the inside lead services to prevent the leaching of lead into the drinking water. Since the lead levels are currently within the limits of the drinking water standards, orthophosphate is not required.

OBSERVATIONS RESULTING IN CHANGES TO CONTRACT DOCUMENTS

A full list of issues were raised during the commissioning process and are tabulated in the Issues and Resolutions Log Appendix C of the Commissioning Report. Many of the issues were minor and did not result in the changes to the contract documents. Below is a list of corrective actions which resulted in changes to the remediation design.

- 1. Polymer day tanks were fitted with sight glasses;
- 2. Air and vacuum relief valves have been plumbed to discharge directly to the backwash trench to alleviate wet floor hazards;
- 3. The selector switch and associated labels for the compressor were removed and changed to disconnect switches;
- 4. Filter drain line valves were removed because there was a lack of pressure in the system

- 5. A check valve was installed in the pre and post filter chlorine injection lines to prevent contamination and backfeeding;
- 6. The influent analyzer drain was installed in a new trench in the floor between the east wall of the plant and the backwash trench to alleviate a wet floor slipping hazard;
- 7. Backflow prevention relief valves in the raw water house were fitted with air gaps and plumbed for drainage;
- 8. Overflow pipe from the finished water tank was redirected into a new drainage swale to prevent potable water from spilling directly on the plant access roadway;
- 9. Insulation was added to the exposed exterior water lines to prevent freezing of the pipes and associated level recorders; an insulated shed was constructed at the raw water tank exposed lines.
- 10. Each new service connection to every home was grounded per NEC requirements;
- 11. Cut off shields and photocells were added to exterior lights on the water treatment plant (WTP) and the raw water valve house (RWVH) to cut down on light escaping from the site;
- 12. A security gate was provided for the raw water tank (RWT) ladder to prevent public access;
- 13. External controls for the lagoon pumps, backwash pit pumps, and septic pump were provided with locking chain-link fence enclosures to prevent public access;
- 14. Watermains were re-routed and put in the shoulders where possible, to minimize road crossings on Mohonk Road.

OPERABLE UNIT CONTACT INFORMATION

Sal Badalamenti, Remedial Project Manager U.S. Environmental Protection Agency 290 Broadway, 20th floor New York, NY 10007 (212) 637-3314 Andrew Smith, Project Engineer U.S Army Corps of Engineers New York District West Point, N.Y. Area Office

COMPLETION REPORT

Approved: 9/30/08

Doug Garbarini, Chief New York Remediation Branch

REFERENCES –

- U.S. Environmental Protection Agency, Office of Emergency and Remedial Response, 2000. Closeout Procedures for National Priorities List Sites (OSWER Directive 9320.2-09A-P, PB98-963223), January 2000.
- 2. U.S. Environmental Protection Agency, Region II, *Record of Decision for the Mohonk Road Industrial Plant Site*, March 31, 2000.
- 3. Conti, *Mohonk Road Industrial Plant Superfund Site Contractor Quality Control Plan*, August 2005, dated August 2005.
- 4. Conti, *Mohonk Road Industrial Plant Superfund Site Environmental Protection Plan*, September 2005, dated September 2005.
- 5. Conti, *Mohonk Road Industrial Plant Superfund Site Sampling Analysis Plan*, April 2007 dated April 2007.
- 6. Conti, Mohonk Road Industrial Plant Superfund Site Commissioning Plan, April 2007, dated 2007
- 7. Watermark, Mohonk Road Industrial Plant Superfund Site Commissioning Report, August 2007, dated August 2007.
- 8. Conti, *Mohonk Road Industrial Plant Superfund Site Warranty Plan*, August 2007, dated August 2007.
- 9. Ecology & Environment Engineering, P.C., Mohonk Road Industrial Plant Site Technical Specifications Water Distribution System Design, January 2005, dated January 2005.
- 10. Ecology & Environment Engineering, P.C., *Mohonk Road Industrial Plant Site Technical* Specifications – Water Treatment Plant, June 2005, dated June 2005.

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Appendix A- Environmental Plume



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Appendix B- Site Location Plans

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Appendix C- Process Flow Diagrams













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Appendix D- Construction Schedule

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Activity	Activity	Drine		3002。3002。32335,13334,13434,13534,13644,13644,13644,13644,13644,13644,13644,13644			16 January Holdington January	au			
	Description	Dur Start	Enish			ASOND	JEMAN	11111AIS)C			
0 Ger	neral Activities										
GNRL	General				· · · · · · · · · · · · · · · · · · ·						
000	Start Project	0 1270F027	- 1	Start Project							
010	MRIP Contract(810 Calendar Days Max)	772* 15JUL05/						MRIP Cont			
06666	End of Project	0	30NUL08	· · · · · · · · · · · · · · · · · · ·			End of Proj	ecto			
A Pha	ase A										
GNRL	General			• • •							
67900	Procure - Concrete Vaults	30 09SEP05/	A 09SEP05A	Procure - Concrete Vaults	· · · · ·	· · · ·					
67910	Submit Dwg's - Concrete Vaults	10 28OCT05	A 280CT05A	Submit Dwg's -Concrete Vaults		•••					
67920	Gov. Apprv. Dwg's - Concrete Vaults	10 280CT05/	A 23NOV05A	Gov. Apprv. Dwg's - Concrete	2 Vaults	· · · ·		,			
67930	Fab & Deliver - Concrete Vaults	20 02NOV05	A 31JUL06A		& Deliver - Concrete Vaults	11 de 140 - 160 - 160 - 160 - 1					
BOND	Payment & Performance Bond		-								
66320	Submit Surety Bonds	22 27JUL05A	27JUL05A	ISubmit Surety Bonds		····					
0001 PI	reconstruction Submittals					····					
66220	Submit Certificates of Insurance	22 27JUL05A	27JUL05A	¹ Submit Certificates of Insurance	· · · · · · · · · · · · · · · · · · ·						
66222	Gov. Review Certificates of Insurance	22 27JUL05A	28JUL05A	IGov. Review Certificates of Insurance							
66322	Gov. Review Surety Bonds	22 27JUL05A	28JUL05A	Gov. Review Surety Bonds	a	· · · ·					
66720	Submit Submittal Register	22 12AUG05/	A 12AUG05A	Submit Submittal Register							
66920	Submit Health and Safety Plan	22 12AUG05/	4 12AUG05A	Submit Health and Safety Plan	······································		··· · ·				
67120	Submit Quality Control Plan	22 12AUG05/	A 12AUG05A	Submit Quality Control Plan							
66722	Gov. Review Submittal Register	22 15AUG05/	A 055EP05A	Gov. Review Submittal Register			• ••••••				
66922	Gov. Review Health and Safety Plan	22 15AUG05/	A 30SEP05A	Gov. Review Health and Safety Plar		••••••					
67122	Gov. Review Quality Control Plan	22 15AUG05/	A 05SEP05A	Gov. Review Quality Control Plan		······································	. <u>.</u>				
66620	Submit Construction Progress Schedule	22 09SEP05A	09SEP05A	Submit Construction Progress Sched		· · · ·					
66622	Gav. Review Construction Progress Schedule	22 12SEP05A	050CT05A	Gov. Review Construction Progres	s Schedule						
67220	Submit Environmental Protection Plan	30 27SEP05A	Z7SEP05A	Submit Environmental Protection P			804-s				
67222	Gov. Review Environmental Protection Plan	22 27SEP05A	110CT05A	EGov. Review Environmental Protec	ction Plan			1015-01-			
66925	Submit Final Health and Safety Plan	5 30SEP05A	30SEP05A	Submit Final Health and Safety Plar	· · ·		.	·,			
66625	Submit Final Construction Progress Schedule	5 05OCT05A	05OCT05A	Submit Final Construction Progres	s Schedule		Iran-af-an-m				
67600	Submit Blasting Plan	22 07OCT05A	070CT05A	Submit Blasting Plan							
67610	Gov. Revw Blasting Plan	22 07OCT05A	10NOV05A	Gov, Revw Blasting Plan	· · ·						
67225	Submit Final Environmental Protection Plan	5 110CT05A	110CT05A	Submit Final Environmental Protec	cțion Plan						
66725	Submit Final Submittal Register	5 19OCT05A	190CT05A	Submit Final Submittal Register	1 0 0						
67125	Submit Final Quality Control Plan	5 250CT05A	250CT05A	Submit Final Quality Control Plar							
67520	Submit Final Blasting Plan	5 10NOV05A	10NOV05A	Submit Final Blasting Plan				· · · · · · · · · · · · · · · · · · ·			
67400	Submit SAP	22 11JAN06A	11JAN06A	ISubmit SAP		••••••					
Start Date Finish Date Data Date	31/AAY05 (4)2010/08 30.010/08 (4)2010/2010 01.01.08	劉 Early Bar MO Progress Bar	17	Sheet 1 of 8 onti Federal Services		Date	Revision	ChecketApprover			
Run Date	07JUL06 14:55	E Critical Activity	Moho	nk Road Industrial Plant Superfund Site							
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Activity	Activ	Vily Dimo	Origi Early	Early		2006 E M A M J J A S		<u>ximi ji ais</u>		2008 M A	
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67410	Gov. Revw SAP		22 12JAN06/			Con Reversion 1					Internet of
67320	Submit Final SAP		5 15FEB06/	A 31MAY07A	·····			Submit Fina	ISAP	- <u>-</u>	
C7020	Prepare Draft Commission	ning(Cx) Plan	15 25DEC06	A 26FEB07A				are Draft Commis	ssioning(Cx) Plar		
0002 G	eneral Conditions								5		
4500	Pre-Construction Meeting		1 15AUG05	A 15AUG05A	IPre-Construction	ı Meeting		·····	·····		
100	Start Phase A		0 25AUG05	A	Start Phase A	 		· · ·			
5300	Phase A (Continues Beyon	nd 60 Days)	613* 25AUG05	A 31DEC07A			· · · ·		, Phase ,	A (Continue	s Bevond D
67550	Survey - WTP Limits		100 25AUG05	A 130CT06A		ан (интерес) 11 11 11 11	Survey WTP Limit				
1000	Mobilization - Phase A		5 06SEP05/	V 165EP05A	Mobilization -	Phase A.	· · · · · · · ·		· · · · ·		
66150	Project Supervision (Contit	nues beyond 60 Days)	605* 06SEP05/	A 31DEC07A					Project	l Supervisio	n (Continue
2000	Site Setup		5 15SEP05/	08NOV05A	Site Set	<u>д</u>		· · · ·			
64870	Cleanup - Misc. Site Durine	g Construction	14 03OCT05/			••• ••• ••		Cleanup	- Misc. Site Durin	a Construe	tion
5400	Complete Phase A		0	31DEC07A				•	¢-	ete Phase	-
0003 Si	iphon House Tie-in	I Connection					• • • • • • • • •	· · · · ·	• ~		
3000	Siphon House Connection	Measurements	1 28JUL05A	28JUL05A	Siphon House Con	nection Measurements		· · ·			
3100	Siphon House-Submission	of Fabrication Dwg's	15 29AUG05/	A 29AUG05A	Siphon House-S	ubmission of Fabricatic	n Dwa's	• • •			
3200	Siphan House-Govmnt Rev	v/Accept Fabrication	20 30AUG05/	A 28SEP05A	Siphon Hous	e-Govmnt Rev/Accept F	abrication Dwg's	· ··· ··			
67300	Receipt of Non-Revokable	Permit	1 03OCT05/	1 03OCT05A	Receipt of N	on-Revokable Permit)) 			• ··· •	
3300	Siphon House-Verification	of Field Measurements	1 06OCT05/	1 06OCT05A	Siphon Hou	se-Verification of Fleld	Veasurements	· · ·			
3400	Delivery of Siphon House C	Connection Materials	1 17NOV05/	V 06DEC05A		ry of Siphon House Cor	nection Materials				-
66070	Install 6" Tie-In Siphon Hou		3 05APR06/	05APR06A		Install 6" Tie-In Si	phon House				
0004 W	/TP Building, Int. Pi	iping Equipment	, Compone	nt							
67800	Procure - Water Treatment	Equipment	10 09SEP05A	16SEP05A	EProcure - Wat	er Treatment Equipment	••••				•
67810	Submit Dwg's - Water Trea	Itment Equipment	50 21NOV05/	27JAND6A		ubmit Dwa's - Water Tr	atment Eovinment	······			
67820	Gov. Apprv. Dwg's - Water	Treatment Equipment	10 15DEC05A	26JUL06A	 -	Gov. A	pprv. Dwa's - Water	Treatment Equin	ment		
64170	Process Building Foundatio	on Excavation	9 28FEB06A	02JUND6A		Process Bui	ding Foundation Exc	cavation			
64270	Form/Pour (Clear Well)		10 09MAR064	03APR06A		- Form (Pour (Clear	Vell)	·· · ·	 		
64490	Apply Bitumastic Coating(C	Clear Well)	3 24APR06A	26APR06A		Apply Bitumast	c Coatind(Clear Well)		-		
64180	Backfill (Clear Well)		2 25APR06A	28APR06A		Backfill (Clear V	/ell)	···· ·	 		
64260	Farm/Pour Foundation (Bld	(B)	27 01MAY06A	01JUND6A		Form/Pour F	oundation (Bidg)				
64160	Backfill Excavations (Bldg)		5 24MAY06A	A30NULED		Backfill Exc	avations (Bldg)	· · · · ·			
65313	Install Building Plumbing/H/	VAC Rough-In	10 05JUN06A	12JUL06A		The lustall B	VH/guidmulg Biuding/HV/	AC Rough-In			
65316	Install Building Electric Rou	igh-In	10 05JUN06A	12JUL06A		Instal! B	uilding Electric Roug	h-h	-		
66250	Construct Process Bld Mas	onry Walls	35 14JUN06A	12JUL06A		Constru	ot Process Bld Masor	nry Walls			
66280	Construct Roof	•	15 11JUL06A	29DEC06A			Construct R				· · ·
65310	Install Building Utilities		37 17JUL06A	29DEC06A			Install Build	ing Utilities			
65317	Install Building Electric Equi	ipment	27 17JUL06A	30MAR07A				tall Building Elec	ctric Equipment		
Slari Date	31MAY05	2000 Perio Perio Contractorio Constructorio Const	Eadv Bar MO	1		Sheel 2 of 8					
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64280	Form/Pour Slabs (Bldg)	15 19JUL	06A 29SEP06A		птитин
67830	Fab & Deliver - Water Treatment Equipt	tent 80 26JUL	01JAN07A		
64540	Drill/Grout Dowells in Process Bld.	110 02001	06A 29DEC06A		
66290	Install Siding	10 01NOV	/06A 29DEC06A		
64450	Install 8" Precast Plank	3 01MAF	207A 30MAR07A		
65760	Install Equipment/Building Finishes	5 01MAF	R07A 27APR07A		
66260	Construct Process Bld/ Carpentry	22 21AUG	106A 27OCT06A		
64770	Install WTP Proces Equipment	22 11SEP	06A 01MAY07A		
65810	Painting - Building/Equipment	15 01MAF	107A 30MAR07A		
65314	Install Building Plumbing/HVAC Equipm	nt · 27 110CT	06A 26FEB07A		
65280	Install Office/Lab/Maintenance Equipme.	t 6 07MAY	07A 03SEP07A	Install Office/Lab/Maintenance Equipment	• •
0005 V	VTP Exterior Piping, Equipm	ent. Component	-		
65500	Install Exterior Process Lines	26 13MAF	06A 02APR07A		
0006 V	VTP Site Work	-			
3800	Clearing & Grubbing	12 12SEP	05A 14SEP05A	IClearing & Crubbing	
64760	Strip & Stockpile Topsoil	2 15SEP	05A 23SEP05A	Estrip & Stockpile Topsoil	
64650	Roadway Excavation	7 26SEP	D5A 10JAN06A	Roadway Excavation	
64660	Conduct Site Grading	12 26SEP	05A 29SEP06A	Conduct Site	
64900	Silt Fence - Installation	5 26SEP	05A 30SEP05A	Silt Fence - Installation	
64666	Site Elec Service/ Fresh Water at Entran	10 200CT	35A 20JUL06A	Site Flec Service/ Fresh Water at Entrance	•••
64630	Place/grade/compacl RCA	3 02NOV	D5A 27JUL06A		
65370	Install Permanent Fencing	6 12DEC	D5A 11JAN06A		
65840	Backwash Pump Station Excavation	2 09JANG	6A 10JAN05A	Backwash Pump Station	
64250	Grade/Place Stone Bedding @ Backwas	10 10JANC	6A 10JAND6A	Grade/Place Storie Bedding @ Backwash	
65930	Construct Backwash Pump Station	10 10JANC	6A 13JAN06A	IConstruct Backwash Pump Station	
64720	Construct Berms for Lagoons	4 15MAR	06A 04AUG06A	Construct Bern	
64700	Place Lagoon Soil Stabilization Fabric	1 27NOV	18DEC06A	Place Ladoon Soil Stabilization Fabric	
64850	Excavate for Septic System	307AUG	16A 09AUG06A	Excavate for Septic Svstem	
64610	Place Bentonite Mat at Lagoons	4 20NOV	06A 18DEC06A	Place Bentonite Mat at Lagoons	
65110	Excavate for Electrical Subcontractor	15 10AUG	16A 30AUG06A		•
64730	Place Geogrid for Lagoon Soil Stabilizatic	n 3 01NOV	04DEC06A	Place Geodrid for Labour Soil Stabilization	
64680	Place/grade/compact Lagoon RCA	3 01NOV	06A 11DEC06A	Place(grade/compact Lagoon RCA	
64710	Place and Compact Soil Base -Lagoon	5 13NOV(18DEC06A	Place and Compact Soil Base -Lapoon	
64940	Construct Septic Leach Field	10 05MAR	17A 23MAR07A		
64740	Site Paving(Lagoon)	2 09APR0	TA Z7APR07A		: '
64640	Tack Coat Asphalt Pavement	1 30APR0	7A 30APR07A	Tack Coat Asphalt Pavement	
64670	Site Paving	3 02APR0	7A D6APR07A	Site	•••
Slart Dale	31MAY05		10.47		
Finish Date Data Date		www.com. Early Bar Progress Bar		Sheet 3 of 8 Confi Federal Services	JEVEL
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				Superfund Site	
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Activity Activity	Orig Early	Early	2007 2005 2005 2006 2006 2007 2007 2007 2007 2007 2007		2008 	
65380 Landscaping	5 02APR07A	30APR07A			Inchio bian	minum
0007 Install Water Line Along Mountain V	View Rd.					
65140 Unload and String Out Pipe and Hydrants	5 02NOV05A	27JAN06A	Unload and String Out Pipe and Hydrants	·		
65390 Install 8" Water Line along Mountain View	12 14NOV05A	22FEB06A	Install 8" Water Line along Mountain View	• •	••••••••••••••••••••••••••••••••••••••	
3700 6" Raw Water Line to Mountain View	3 02DEC05A	15DEC05A	■6 Raw Water Line to Mountain View	· ·		
65160 Install 6" Raw Water Line on Mountain View.	10 16JAN06A	23FEB06A	mentall 6" Raw Water Line on Mountain View			
65400 Hydrant Installation Including Valve and	4 16JAND6A	22FEB06A	Hethydrant Installation Including Valve and		· .	
65130 Install 3" Sludge Line along Mountain View	8 31JANDBA	17FEB06A	Bulnstall 3" Sludge Line along Mountain View			÷
65430 Air Release, Blow Off Manholes	1 31JAND6A	31JAN06A	Air Release, Blow Off Manholes			
64960 Raw Water Valve House Excavation	2 21MAR06A	21MAR06A	Raw Water Valve House Excavation			
63740 Construct Raw Water Building Foundation	9 23MAR06A	28APR06A	Construct Raw Water Building Foundation			
65410 Hydrostatic Pressure Testing and Chlorin	5 24OCT06A	10JUL07A		ostatic Pressure 1	estingrand Ch	lorin .
64800 Install Valve House Process Equipment	15 31JUL06A	18AUG06A	Tinstall Valve House Process Equipm	nt	n 1	
65040 Erect Raw Water Valve House	4 28AUG06A	31AUG06A	IErect Raw Water Valve House			•
0008 Bulk Rock Excavation for Items 4-6						
6100 Rock Excavation Blasting/Hammer	5 01MAY06A	22AUG06A	Rock Excavation Blasting/Hammer			
0009 Bulk Rock Excavation for Item 7						
6200 Rock Excavation - Blasting/Hammer	6 01MAY06A	22AUG06A	Rock Evravativa - Plastina (Lammar			
0010 Raw Water Tank						
67700 Procure - Raw Water Tanks	10 05AUG05A	05AUG05A	IProcure - Raw Mater Tanks			
67710 Submit Dwg's - Raw Water Tanks	30 28OCT05A	06JULD6A	Submit Dwo's - Raw Water Tanks			
67720 Gov. Apprv. Dwg's - Raw Water Tanks	20 310CT05A	20JUL06A	Gov. Apprv. Dwd's - Raw Water Tanks			
67740 Construct Foundation - Raw Water Tank	15 09NOV05A	30NOV05A	Construct Foundation - Raw Water Tank	· · ·	-	
67730 Fab & Deliver - Raw Water Tanks	60 06JULDEA	16OCT06A	Fab & Deliver - Raw Water Tank			
65580 Install Raw Water Tank	24 230CT06A	16NOV06A				
67750 Paint - Raw Water Tank	B 17NOV06A	04DEC06A	EPaint - RawiWater Tank			
0011 Finished Water Tank						·
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65900	Siphon House-Backfill /Site Restoration	5 28NOV05A	1 30NOV05A	ISiphon House-Backfill /Sit	te Restoration	
3600	Siphon House-Electric/Telephone Installation	5 08MAR06	V 09MAR06A	Siphon House-E	lactric/Telenhone Installation	
65830	Install Proces Equipment in Meter Chamber	10 03AUG06A	16AUG06A		Install Proces Equipment in Meter Chamber	
0013 7	own Line Meter at Rt. 213					
64320	Meter Pit Excavation @ Route 213	2 26JUL06A	11SEP06A	· · II · · · · · · · · · · · · · · · · · ·	Meter Pit Excavation @ Route 213	
64330	Install Meter Pit	1 11SEP06A	11SEP06A		Install Meter Pit	
64310	Install Proces Equipment in Chamber	6 04SEP06A	19SEP06A	· · · · · · · · · · · · · · · · · · ·	Install Proces Equipment in Chamber	
64440	Backfill Foundations	1 19SEP06A	19SEP06A	· · · · · · · · · · · · · · · · · · ·	Backfill Foundations	
0014 T	own Line Meter at School Hill Rd.					
64370	Meter Pit Excavation @ School Hill	2 22MAY06A	23MAY06A		t Exclavation @ School Hill	
64580	Install Meter Pit	1 22MAY06A	22MAY06A	- Install Me	eter Pit	
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0015 R	tock Excvation for Items 12~14					
12350	Rock Excavation Blasting/Hammer	5 12MAY06A	20JUL06A		ck Excavation Blastino/Hammer	
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C7030	Review & Comment Draft Cx Plan	10 01SEP06A	01MAR07A	· · · · ·	Review & Comment Draft Cx Plan	
C7040	Prepare Final Cx Plan	10 01MAR07A	30MAR07A	·	Prepare Final CX Plan	
C7050	Assemble Cx Team	70* 25DEC06A	30MAR07A	· · · · · · · · · · · · · · · · · · ·	Assemble Cx Team	
C7210	Service Distribuion Lines	176* 01APR07A	30NOV07A	· · · · ·	Service D	istribuíon Línes
C7070	Siphon Tie in to Raw Water Tank	5 05MAR07A	19SEP07A			Raw Water Tank
C7350	NYSDOH Interface, Acceptance & Approval	143* D5MAR07A	19SEP07A	NYSDOH Interface, Acc.	eptance & Approvalment	· · · · ·
C7080	Water Treatment Faciliy & Subsystems	10 02APR07A	19SEP07A	· · ·		Faciliy & Subsystems
C7090	WTP to Finished Water Tank	5 26MAR07A	19SEP07A	· · · · · · · · · · · · · · · · · · ·	WTP to Figished	Water Tanki
66240	O&M During Commissioning	86* 03SEP07A	31DEC07A) Jurina Commissionina
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C7060	Comple Sys Const, Test, & Startup under QC	85 26MAR07A	195EP07A	Comple Sys Const, Test, & St	artup under QC Prog. Construction	
C7300	Water Flow Eval & Optimization following demand	15 02JUL07A	19SEP07A	Water Flow Eval &	Optimization following demand	
C7010	Review and Complete Basis of Design	10 01MAY07A	19SEP07A			olete Basis of Design
C7400	Final Certificate of Readiness from NYSDOH	0	19SEP07A	Final C	Certificate of Readiness from NYSDOH	
C7110	Training HFWD Operators	5 01AUG07A	19SEP07A	· · · · · · · · · · · · · · · · · · ·		perators
C7120	Initial O&M with HFWD Personnel	5 01AUG07A	19SEP07A		The second se	iFWD Personnel
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Appendix E- NYDOH Certifications, Permits & PE Signoff

STATE OF NEW YORK DEPARTMENT OF HEALTH

Flanigan Square, 547 River Street, Troy, New York 12180-2216

Richard F. Daines, M.D. Commissioner

September 24, 2007

Mr. Salvatore Badalamenti U.S. Environmental Protection Agency 290 Broadway – 20th Floor New York, NY 10007-1866

RE:

Log Nos. 17062 and 17310 Approval of Completed Works High Falls Public Water System (T) Marbletown and (T) High Falls Ulster County PWS ID # 5530250

Dear Mr. Badalamenti:

We have received certification, dated August 28, 2007, from Dvirka & Bartilucci Consulting Engineers, that the above referenced project has been completed in accordance with the plans and specifications approved in this office on March 7, 2005 and August 19, 2005. We also inspected the new facilities on April 24, 2007, July 10, 2007 and September 11, 2007.

This project consists of the installation of a new public water supply, treatment, storage and distribution system. The supply includes a connection with the New York City water supply Catskill Aqueduct, metering, controls, and a 484,000-gallon raw water storage tank. The treatment system includes two 175 gallon per minute (gpm) Trident filter trains, clearwell and finished water pumps, chemical feed systems, instrumentation, controls and appurtenances. Finished water storage is provided via a new 300,000-gallon elevated storage tank. The distribution system includes approximately 37,000 lineal feet of 6-inch and 8-inch water mains, hydrants, valves, approximately 220 services and appurtenances.

A copy of our Approval of Completed Works is enclosed. Please note the standard and special conditions of approval.

Sincerely,

William Gilday

William M. Gilday, P.E. Senior Sanitary Engineer Bureau of Water Supply Protection

P:\Sections\Design\EASTERN\ULSTER\Mohonk Road WTP\17062,17310 App Completed Works.doc

Enclosure

cc, electronically:

US ACOE, Attn: Mr. Smith NYS DOH, Attn: Dr. Sokol NYS DOH - BEEI, Attn: Mr. Litwin/Mr. Rivara/Ms. Navratil NYS DOH - MARO, Attn: Mr. Devine/Ms. Stamm NYS DEC, Attn: Mr. Bennett NYS DEC – Reg. 3, Attn: Mr. Sansalone NYC DEP, Attn: Mr. Aggarwal; Ulster County DOH, Attn: Ms. Mertens/Mr. Tagliafierro (T) Marbletown, Attn: Mr. Martello (T) Rosendale, Attn: Mr. Gallegher HFWD, Attn: Mr. Johnson D & B, Attn: Mr. DiGiorgio Conti Corp, Attn: Mr. Mastro

NEW YORK STATE DEPARTMENT OF HEALTH . Bureau of Public Water Supply Protection

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Approval of Completed Works For Public Water Supply Improvement

To the New Your Official American and an

This approval is issued under the provisions of 10 NYCRR, Part 5:

REPRESENTATION OF A DESCRIPTION OF A DES

ocation of Works (city, town, village)	(T) Marbletown and (T) Rosendale
County Ulster	Water District (specific area served) High Falls Water District, PWS ID# NY5530250
ans for the construction of this proj	Mo Day Yr ect were approved on <u>03 / 07 / 2005</u> Log No. 17062 (distribution) <u>08 / 19 / 2005</u> Log No. 17310 (treatment and storage)
This approval for completed works	is issued subject to the following conditions:
STANDARD CONDITION:	
provide a set of as-built plans (v District and the District shall the	with equipment manuals and parts lists for installed equipment and shall also with equipment manufacturers and model numbers noted) to the Water an maintain and update these records as needed.
 THAT the District provide for th former canal bed downstream fr free-flowing. THAT the District comply with the 	e regular inspection and maintenance of culverts and drainage ways in the rom the backwash lagoon outfall to ensure that these are kept clean and
of Environmental Conservation S THAT the operator(s) develop w	State Pollutant Discharge Elimination System (SPDES) permit. ritten procedures for day to day operations with respect to optimization of
chemical additives and filter run	times relative to source water quality turbidity levels and other fluctuating
parameters which may be disrup	Drive to normal plant operations.
parameters which may be disrup THAT lead and copper sampling (ref 10 NYCRR Part 5 Section 5-	but to normal plant operations. be done in accordance with the requirements of the lead and copper rule -1.42).
 parameters which may be disrup THAT lead and copper sampling (ref 10 NYCRR Part 5 Section 5- THAT the District ensure proper commercial units connected to t control program is implemented. 	be done in accordance with the requirements of the lead and copper rule -1.42). disconnection of water wells from indoor plumbing of residential and he water system and otherwise ensure that a proper cross-connection Abandoned wells should be properly filled and sealed.
 parameters which may be disrup THAT lead and copper sampling (ref 10 NYCRR Part 5 Section 5) THAT the District ensure proper commercial units connected to t control program is implemented. THAT individual household press applicable federal, state, and loc similar to that for water meters. importance of maintaining those devices. 	be done in accordance with the requirements of the lead and copper rule -1.42). disconnection of water wells from indoor plumbing of residential and he water system and otherwise ensure that a proper cross-connection Abandoned wells should be properly filled and sealed. sure regulating devices be maintained and operated in accordance with al requirements and that the devices be periodically inspected on a schedule The District should annually provide notification to property owners on the devices including a list of at least three plumbers qualified to maintain the
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YELLOW - File (LHO or DHO)

ENGINEER'S CERTIFICATION OF PROJECT COMPLETION

New York Drinking Water State Revolving Fund

System Name: Mohonk Road Industrial Plant Superfund Site

DWSRF Project Number: N/A

PWSID Number: N/A

Project Description: _____Municipal water supply, treatment and distribution

system for the Township of High Falls, NY. 100,000 gpd avg. design capacity

Pursuant to Section 10 NYCRR 53.6 (f) of the DWSRF Regulations, I certify that the construction of the referenced project including environmental mitigating measures was completed on <u>August 24, 2007</u> in accordance with the approved plans and specifications or approved amendments thereto.

Engineering Firm:	Dvirka & Bartil	ucci Consulti	ng Engineers
	(Name of Firm)	
	4 West Red Oak I	_ane, White ₽	Plains, New York 10604
		(Address)	
	Rob DeGiorgio, P.E.	, CPESC	914-467-5300
(C	Contact Person)	(P	'hone Number)
Design Engineer's a	Signature and Seal:	TE OF NEW SERT J. DEGIOS SERT J. DEGIOS NO. 076216 POFESSIONA	IT OWEER * NEW
	Notes: 1. We hereby certify the c	ommissioning was	performed in accordance with the ste

Date: 8/28/07

1. We hereby certify the commissioning was performed in accordance with the start-up plan and NY State requirements. The record engineer witnessed primary plant commissioning and operation, and this coupled with the as-built and quality control documentation prepared by Conti Environmental being true and correct, the record engineer certifies that the system has been properly started and tested.

2. Proper plant operation and maintenance is necessary to ensure long term system performance and water quality.

6/2/03



NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION State Pollutant Discharge Elimination System (SPDES) DISCHARGE PERMIT

Industrial Code:4941Discharge Class (CL):04Toxic Class (TX):NMajor Drainage Basin:13Sub Drainage Basin:06Water Index Number:H-139-14Compact Area:

SPDES Number: DEC Number: Effective Date (EDP): Expiration Date (ExDP): Modification Dates: (EDPM) NY- 0272442 3-5199-00023/00002 March 1, 2007 January 28, 2012 First0.00

This SPDES permit is issued in compliance with Title 8 of Article 17 of the Environmental Conservation Law of New York State and in compliance with the Clean Water Act, as amended, (33 U.S.C. §1251 et.seq.)(hereinafter referred to as "the Act").

PERMITTEE NAME AND ADDRESS

Name:	High Falls Water District	Attention: Vincent Ma	irtello
Street:	P.O. Box 217, 3775 Main Street		
City:	Stone Ridge	State: NY	Zip Code: 12484-0217
is authorized to	discharge from the facility described below;		• • • • • • • •

FACILITY NAME AND ADDRESS

Name:	High Falls Water I	District Water 1	freatment	t Plant						
Location (C,T,V):	High Falls					County:	Ulster			
Facility Address:	186 Mohonk Road					÷	•			
City:	High Falls			· .	State:	NY	Zip Code:	12440		
NYTM'-E:				NY	TM - N;					
From Outfall No.:	001	at Latitude:	41 °	49 1	20 ″	& Longitude	: 74 °	08 '	30	11
into receiving waters	known as: R	ondout Creek					Class:	В		
 at a star of the main of the main of the star of the s										

and; (list other Outfalls, Receiving Waters & Water Classifications)

in accordance with: effluent limitations; monitoring and reporting requirements; other provisions and conditions set forth in this permit; and 6 NYCRR Part 750-1.2(a) and 750-2.

DISCHARGE MONITORING REPORT (DMR) MAILING ADDRESS

Mailing Name:	High Falls W:	iter District		
Street:	P.O. Box 217,	3775 Main Street		
City:	Stone Ridge		State: NY	Zip Code: 12484-0217
Responsible Off	icial or Agent:	Vincent Martello	Pho	ne: (845) 687-9673 ext. 7

This permit and the authorization to discharge shall expire on midnight of the expiration date shown above and the permittee shall not discharge after the expiration date unless this permit has been renewed, or extended pursuant to law. To be authorized to discharge beyond the expiration date, the permittee shall apply for permit renewal not less than 180 days prior to the expiration date shown above.

DISTRIBUTION:

DOW, BWP - Permit Coordinator (3506) L. Meyerson, RWE, WPO J. Sansalone, DOW, NPO EPA Region II - Jeffrey Gratz NYS DOH, Troy S. Badalamenti, 20th Floor, EPA, Region II, NYC

Permit Administrator: Michael Merriman		MDM
Address: 21 South Putt Corners Road New Paltz, NY 12561-1696		
Signature: Michael D. Menino	Date:	1/29/2007

PERMIT LIMITS, LEVELS AND MONITORING DEFINITIONS

OUTFALL		WASTEWATE	R TYPE		RECEI	VING W.	ATER		EFFECTIVE		EXPIRING	
	This for was	s cell describes the type of v discharge. Examples includ tewater, storm water, non-c	wastewati le proces ontact ce	er authorized s or sanitary oling water.	This cell lis waters of the the listed of	This cell lists classifiedThe date this pageThe date this pagewaters of the state to whichstarts in effect. (e.g.is no to the state of the listed outfall discharges.effect.		The dat is no lo effect. (te this page onger in (e.g. ExDP)			
PARAMETER	2	MINIMUM		МА	XIMUM		UNITS	:	SAMPLE F	REQ.	SAM	IPLE TYPE
e.g. pH, TRC, Temperature, I	D,O.	The minimum level that m maintained at all instants i	ust be n time.	The maximum be exceeded at	level that ma any instant i	iy not n time.	SU, °F mg 1, ei	,				
PARA- METER	E	FFLUENT LIMIT	PRAC	TICAL QUANT LIMIT (PQL)	TTATION)	ACT LEV	ION 'EL		UNITS	SAM FREQL	PLE	SAMPLE TYPE
Lim Not dev strir requ or 1 stan deri assu assu hard of ti rece or re due perm	nit typ relope ngent uired n New adards ived umptio iness, his ar siving ules c proce <u>nit, c</u>	bes are defined below in The effluent limit is d based on the more oftechnology-based limits, under the Clean Water Act, York State water quality i. The limit has been based on existing ons and rules. These ons include receiving water pH and temperature; rates id other discharges to the stream; etc. If assumptions hange the limit may, after ss and modification of this hange.	For the assessm specific to mor pollutam provided has con quality procedu Monitor than this shall no complian This Per	e purposes of ent, the analyti d in the permit su iter the amount iter the amount it in the outfall the d that the laborat applied with the assurance/quali res in the relevant ing results that is level must be re- bet be used to nece with the calco QL can be neithed without a mod- nit.	compliance cal method hall be used int of the o this level, tory analyst e specified ity control nt method. are lower sported, but determine plated limit. are lowered lification of	Type Typ Action requires as def below in 2, that i additi monito and por review exceed	I or = II Levels e pring nents, ined a Note trigger onal pring tring trimit when led.	inc of Ter con E inc Il	This can clude units flow, pH, mass, mperature, iccentration, examples clude µg/l, bs/d, etc.	Exan include 3/we 2/me 2/me quarterl and ye	nples Daily, cck, kly, nth, hly, y, 2/yr early.	Examples include grah, 24 hour composite and 3 grab samples collected over a 6 hour period.

Note 1: DAILY DISCHARGE.: The discharge of a pollutant measured during a calendar day or any 24-hour period that reasonably represents the calendar day for the purposes of sampling. For pollutants expressed in units of mass, the 'daily discharge' is calculated as the total mass of the pollutant discharged over the day. For pollutants with limitations expressed in other units of measurement, the 'daily discharge' is calculated as the average measurement of the pollutant over the day.

DAILY MAX .: The highest allowable daily discharge. DAILY MIN .: The lowest allowable daily discharge

MONTHLY AVG: The highest allowable average of daily discharges over a calendar month, calculated as the sum of each of the daily discharges measured during a calendar month divided by the number of daily discharges measured during that month.

7 DAY ARITHMETIC MEAN (7 day average): The highest allowable average of daily discharges over a calendar week.

30 DAY GEOMETRIC MEAN: The highest allowable geometric mean of daily discharges over a calendar month, calculated as the antilog of : the sum of the log of each of the daily discharges measured during a calendar month divided by the number of daily discharges measured during that month.

7 DAY GEOMETRIC MEAN: The highest allowable geometric mean of daily discharges over a calendar week.

RANGE: The minimum and maximum instantaneous measurements for the reporting period must remain between the two values shown.

Note 2: ACTION LEVELS: Routine Action Level monitoring results, if not provided for on the Discharge Monitoring Report (DMR) form, shall be appended to the DMR for the period during which the sampling was conducted. If the permittee receives any monitoring results in excess of the stated Action Level, the permittee shall undertake a short-term, high-intensity monitoring program for the parameter(s). Samples identical to those required for routine monitoring purposes shall be taken on each of at least three consecutive operating and discharging days and analyzed. Results shall be expressed in terms of both concentration and mass, and shall be submitted no later than the end of the third month following the month when the additional monitoring requirement was triggered. Results may be appended to the DMR or transmitted under separate cover to the same address. If levels higher than the Action Levels are confirmed, the permit may be reopened by the Department for consideration of revised Action Levels or effluent limits. The permittee is not authorized to discharge any of the listed parameters at levels which may cause or contribute to a violation of water quality standards.

SPDES PERMIT NUMBER NY0272442 Page 3 of 5

OUTFALL NUMBER		WASTI	EWATER TYPE		RECEIVIN	G WATER	EFFE	CTIVE	EXP	IRING
001		Flushing and backwashing water Rondout Cre		ng water Rondout Creek		Flushing and backwashing water Rondout Creek EDP		DP	Ex	DP
PARAMETER H	MIN	IMUM 5.0	MAXIMUM 9.0	UNITS SU	SAMPLE F 1/п	REQUENCY 10nth	SAMP	LE TYPE Grab	FOOTNO)TES (FN)
PARAMÉTER		EFFLU Monthly Av	a. Daily Max.	ACTION	INITS	SAMP		SAM	IPLE DE	FN
Flow		Monitor	· · · · · ·		gpd	Continu	ous	Reco	order	
Total Suspended Solids		20	40	-	mg/]	1/mon	th	24 hr.	comp.	<u> </u>
Settleable Solids			0.3		ml/l	l/mon	th	Gr	ab	
Lead, Total		Monitor		-	lb/d	l/mon	th	24 hr.	comp.	1
Total Residual Chlorine			2.0		mg/l	1/mon	th	Gr	ab	
······································	•					·				

PERMIT LIMITS, LEVELS AND MONITORING

FOOTNOTES: I. The p

The permittee shall sample and analyze the effluent for lead on a weekly basis for 12 weeks. Thereafter, the sample frequency shall be once per month.

The permittee shall submit a summary report of the first 12 weeks of sampling analyses by EDP + 5 months. The report shall include the results of the analyses, in mg/l and lbs/d, along with the flow for each day a sample was taken and the raw data from the laboratory. Upon review of the summary report, the Department may reopen the permit to modify the sampling requirements for lead, including the addition of a limit or action level.



MONITORING LOCATIONS

SPDES PERMIT NUMBER NY0272442 Page 5 of 5

RECORDING, REPORTING AND ADDITIONAL MONITORING REQUIREMENTS

- a) The permittee shall also refer to 6 NYCRR Part 750-1.2(a) and 750-2 for additional information concerning monitoring and reporting requirements and conditions.
- b) The monitoring information required by this permit shall be summarized, signed and retained for a period of at least five years from the date of the sampling for subsequent inspection by the Department or its designated agent. Also, monitoring information required by this permit shall be summarized and reported by submitting;

(if box is checked) completed and signed Discharge Monitoring Report (DMR) forms for each _____ month reporting period to the locations specified below. Blank forms are available at the Department's Albany office listed below. The first reporting period begins on the effective date of this permit and the reports will be due no later than the 28th day of the month following the end of each reporting period.

- X (if box is checked) an annual report to the Regional Water Engineer at the address specified below. The annual report is due by February 1 and must summarize information for January to December of the previous year in a format acceptable to the Department.
- (if box is checked) a monthly "Wastewater Facility Operation Report..." (form 92-15-7) to the:

Send the original (top sheet) of each DMR page to:

Department of Environmental Conservation Division of Water Bureau of Water Compliance Programs 625 Broadway Albany, New York 12233-3506 Send the first copy (second sheet) of each DMR page to:

Department of Environmental Conservation Regional Water Engineer 100 Hillside Avenue, Suite 1W White Plains, NY 10603-2860

Phone: (914) 428-2505

Phone: (518) 402-8177

- c) Noncompliance with the provisions of this permit shall be reported to the Department as prescribed in 6 NYCRR Part 750-1.2(a) and 750-2.
- d) Monitoring must be conducted according to test procedures approved under 40 CFR Part 136, unless other test procedures have been specified in this permit.
- e) If the permittee monitors any pollutant more frequently than required by the permit, using test procedures approved under 40 CFR. Part 136 or as specified in this permit, the results of this monitoring shall be included in the calculations and recording of the data on the Discharge Monitoring Reports.
- f) Calculation for all limitations which require averaging of measurements shall utilize an arithmetic mean unless otherwise specified in this permit.
- g) Unless otherwise specified, all information recorded on the Discharge Monitoring Report shall be based upon measurements and sampling carried out during the most recently completed reporting period.
- h) Any laboratory test or sample analysis required by this permit for which the State Commissioner of Health issues certificates of approval pursuant to section five hundred two of the Public Health Law shall be conducted by a laboratory which has been issued a certificate of approval. Inquiries regarding laboratory certification should be sent to the Environmental Laboratory Accreditation Program, New York State Health Department Center for Laboratories and Research, Division of Environmental Sciences, The Nelson A. Rockefeller Empire State Plaza, Albany, New York 12201.

Dougald Morse

From:	Nathan Mastro
Sent:	Friday, July 11, 2008 10:19 AM
То:	Dougald Morse
Subject:	Bill Gilday conditional release

-----Original Message-----From: William M. Gilday [mailto:wmg02@health.state.ny.us] Sent: Wednesday, September 19, 2007 10:42 AM To: Nathan Mastro Cc: Smith, Andrew M NAN02; Sal Badalamenti (E-mail); dand@watermarkenv.com; dtag@co.ulster.ny.us; Frank Townsend; highfallswater@yahoo.com; RDeGiorgio@db-eng.com; Richard Vogel; smer@co.ulster.ny.us Subject: Re: High Falls Test Results

Thank you Nate. I hope to issue the Approval of Completed Works shortly. In the interim, we have no objection to connections being made and the new plant going into service at this time. The plant looks good and I've been impressed with your, EPA, ACOE, Rob's and everyone's responsiveness. Thanks.

There is one final request I have. The single check value in the chlorination room adjacent to the Raw Water Value House should be an RPZ. I discussed it here and we're agreed that there is a significant cross-connection potential of raw to finished water there. I mentioned this to Sal the other day, and he seemed OK with having this done. I'd appreciate your attention to this. Thanks.

William M. Gilday, P.E. Senior Sanitary Engineer Bureau of Water Supply Protection New York State Department of Health Flanigan Square, Room 400 547 River Street Troy, NY 12180-2216 (518)402-7676 FAX: (518) 402-7659

Nathan R. Mastro CQCSM Conti Federal Services Wilkes-Barre Phase 2C Riverfront Project 100 N. River St. Wilkes-Barre, PA 18702 (570) 824-6350 - Phone (570) 824-6353 - Fax (978) 505-7116 - Cell nmastro@conticorp.com

New York State Department of Environmental Conservation

Division of Environmental Remediation

Remedial Bureau E, 12th Floor 625 Broadway, Albany, New York 12233-7017 Phone: (518) 402-9814 • FAX: (518) 402-9819 Website: www.dec.ny.gov



MAY 1 3 2008

Mr. Frank Townsend Conti Federal Services 1 Cragwood Drive South Plainfield, New Jersey 07080

RE: Site No. 3-56-023, Mohonk Road Industrial Plant Highfalls, New York

Dear Mr. Townsend:

This correspondence is provided to document the receipt, by the New York State Department of Environmental Conservation (NYSDEC), of 70 surplus GAC point of entry treatment (POET) systems.

These systems were initially installed to provide potable water to residences where contamination from the Mohonk Road Industrial Plant (NYS Site ID No. 3-56-023) had contaminated the private water supply well. Following the connection of these impacted residences to public water, USEPA has removed the GAC systems and returned them to NYSDEC.

These systems were received by NYSDEC on March 12, 2008. If you need any further documentation, please do not hesitate to contact me by phone at (518) 402-9814 or by email at gfmomber@gw.dec.state.ny.us.

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George F. Momberger/P.E. Project Manager Remedial Section A, Remedial Bureau E Division of Environmental Remediation New York State Department of Environmental Conservation

Division of Environmental Remediation Remedial Bureau E, 12th Floor 625 Broadway, Albany, New York 12233-7017 Phone: (518) 402-9814 • FAX: (518) 402-9819 Website: www.dec.ny.gov



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Sincerel

George F. Momberger/P.E. Project Manager Remedial Section A, Remedial Bureau E Division of Environmental Remediation

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Appendix F- Field and Operational Tests

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		Helerango Toria na Babyrazog Helarog Reading Plan	3/2/07-	<u> </u>		12 M	ΓĴ.
1997	Space and rate	General per and attakent, watch companying in tracesh datapatient with bott redupations	11.100	- 1	<u> </u>	NGA	-750
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	Wates	1 Hour Hydrostale Tests of mark 350 PSI of the lowest print in the type into wave sheeld to spaned user for the tark	Carolor.	12		NP11	ħ) –
9516	- Distrikupura - Burthan Batare	2 Upret, pakage Test Prepara e 200 PET	1 212/07			1 10 10	
}	lineari.	AUMMA Backwinispical Dicibleation: 3 Samples tikken kutsepicen main for streats 2 kervage or reakt nazistisekey beeleraksjest teaetis bilkn bega optanged	18/2/07	f		NPAT	81
	W229	I from Hydroxime Tools of man. 205 Phills the low bases ports with e paper 2000 value should be papered	Vintor	12		1 2 1 1	<u></u>
58 K.	Dotability Systems	2 Heart Landsorn Den Pensaara < 200 P.54	187207			101.00	- <u>1</u>
	Revenue PAS	ANVIVA Spectroslopping Silverfaction. S Recepton televis tracket out regarder by stand for any terrority of the card terrority transmission of the card terrority transmission of the card terrority transmission of the card terrority transmission.	12/2/07	0	and to reduce	1.24	113-1
	Nate-	Filmer hydroatster finets of maximizer FSF at the operation of the pression by the character approach	Chim	15		1001	
740%	diamate as a	and doesd essent rathe down a he lest 2 May Leshana Test Principal & 200 PS1	5/2/02	5		144	141
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		Preserver and a second and a substantial state and a second processing processors and strend or grows of	510107	<u>j</u>		1441	<u>- M</u>
2610	short rays	n°d cinodd sayeral lanas daraig hir last 12 Mew Lostang Text Brenstar - 200 PS1	81-407	<u>}</u>	-	WIN	
	T Granden Gebruik T Dicka	AVENUA Exclusionage an Disinflaction of Sciencilies of the encouptered under the of react to be over an end	1 12/2/01	<u>r</u>			
		parentimely manentaginal results in the period plated. In the part of a state of a new pression of the pression of the period of	5/2/01	<u> </u>		inn	<u></u>
1115	Distant.	and a state several times during our time	512/07	j1		NRM	12.1
	iyanyin. Taniha yang kalaya	An And the second second to the second seco second second sec	Sin -	12			
		[13] Statistical processing and the second statistic structure of the second statistic structure of the second structure of	DILIUT	<i>Y</i>		<u>141</u>	
5.0	s diago La principa de	La a constal se artal (new réport) des port	8/2/07	Р		NRA	5
	1.2008 - 49 	 Provide Journal Pressent - 200 Heat WWA BM1990 Support Distancement 5 Supports (Auto Section and a feat or and the regist or and a 	SAIOT	<u></u>	·····	10,01	
	1	Label schory tradition Report resorts bare to you rotatined	8/2/07	7	4 14 16 16 1 4 1 1 1 1 1 1 1 1 1 1 1 1 1	NKM (<u>/// </u>
- 1916	i Witter Distance	s of sheed several teneral teneral the test	8/2/07	ŕ		NRA	14
	Elation Graver Hoge	(4) Medita Version (Anti-Meditane & Courped) (MMAR Station/Appeal Development & Sompley Sciences and instrument for at reactly for taxes or and and the station of the station of the station of the s	8/3/07	2	·····	<u>NRT I</u>	<u><u><u></u></u></u>
	1	add standing backet being all 2002 in 1999 being being being and an	ST2/07	<u>}</u>		1)/1	
1.1.4	and Johnson	and taxed screen finnes daring the pest	Sizioz	P		NKr [RY 1
	Costane (1996) Regel	prins of Contrage Test Pressing in 200 PG. Awww. Bastenstagical Coordection: 3 Samples have during the antiprint least 2 test days to poly.	\$12/07	P		144	<u> </u>
	j	ient stantale bestenological republic index potentical and an anti-second state and a state of the second state	SILIUT	<u> </u>		NM	<u> 14 \</u>
1544	Wasee Gaadesign	and child solidial tank is during the first	\$12/07	f		224	
-10.0	Salleni-Mohnek Anno	(2) Your Celokopa 1051 Prestans 4 200 PS4 AVXVA Hastimalogical Distributions: a Samples (alice theory) and multiplication of the standard and the standard a	3/2/07	2		124	- <u>5</u>
		assistationy hapteriological results have torun of the out	5/2/07	\vec{r}		NGU (μv
DT ()	Opulation	and exceed permatismes downed the test	8/2/07	1		NSU	RVI
22.54	Maurian V-ear	2 New Leakage Tool Pressure < 200 PSI AWWA Backelobgical Disinfectory, 3 Samples taken president marries in easy 2 light services.	2 PLIOF	1		A.R.H	12
	A244.11	am alentery tracterotaginal receipts mine been considered	3/2/07	<u>.p</u>	i	124	EN
	19 ater Drivite-are	instantion of the second	8/2/07	1 1	ľ	N41	RV
24.00	System- Old Alistic 215	2 Hour Leakage Test Proparte 200 PS1 AV/WA Banavalogical Okieleneum: 3 Saraches Jakan Berkahast man for alleset 2 Kalmure in contr	8/2/07	2		NUM	35
·····		saintiatary basimological results have hain colaired	32/27	<u>P</u>	{	NRM	. Liv
	Water Disbustion	and thread sening the second	18/2/07	9		WRM	
23.00	Syttem from an	2 How Authorse Test Pressure & 200 PSI AveWA Backholsevical Directorization 5 Semance taken parts down mark for a travel of the test of and aveWA Backholsevical Directorization 5 Semance taken parts down mark for a travel of the test of a set.	5/2/57	<u>P</u>		1.211	
		Tatisfactory participation includes have been rated out	SP/07	f		NSR1	QV
-	Watu Deptemati	Firster reportanted (1955 6) mark, 200 PSTR1 (http://west.ps/iel/in/tep.filev, 625) value or each bullgened and closed several laters during the test	82/04	p T		NRM	1
CSIN	System Resty	2 Phart Eastsate Test Pleasure + 200 Pts) AWWA Bucterinterian Completion - 3 Sampler (Mar 1997)	312107			NZM	
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	iVale" Ristel-a ne	Firster stypping to the set of max, 200 PSI of the lowest point is included, while allowed the optimization of a set of the set o	3/2/07	P		Neu	07
8.910	System-School	2 Rear Leskane Test Preceden x 200 Pet	3/2707	.P		NEA	
	House Repu	ne ne oriente agren oranizzon a zenepara takan teknetikot anan tersiteken 7 hetreyt ar tekn substantary bartanaziegi i isults neva saco obtieval	3/2/07-	p		1)24	6A
		Medewy Ter Colvells, sterm (Universite tested in Escondance with 2000 Earmanesk Universities of Concepting Metal Pipers to option project Structure combinal Communi-	912/07	37		194	
$\{m, k\}$	rotenti Dia 19890	Deficition of PVC to not excend 2.5% of the nominal durinities	1 12 000	1		121	- 恒水-
,		normal region generations group and moving one of the second of the second s	5/2/07-	ऱ─── -	P		- <u>k</u> t

Water Distribution System

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		Mohonk Road Industrial Plant Site					
		Water Distribution System					
Sund Hu	Spec Section	Field Tasts	Date	Passifiai	buliat.	Signature	Whener
		Connection (1952) - Standard Spreichanni Stationapti 3 (1853) Tastar neurosanta with the Gercle Germa Plan	3/2/07			17.4	
245	Tip to Arrest	Children samplies as idencified by the COP post and the specific energy	0000				
		figuration of braise to technol the party is operated without the mount strates set float any. Execution and the rest many	\$12707	-}		-04-1	- PY
142	Seot S	Stal Tesheri in arceitenen wilk ASTM 0 (2013 A ASTM 0 4972)	712.107-	ý	1 L+1483 L + 14 m	18.11	- <u>15</u>
		consistent solution statements provide a resolution theory of a gradity of and solution and a construction of the and a first solution and a	\$12/0F		·····	4.CM	251
		Could Area > 100 graps plants / Son are Foor & park proto -, 21, Annabar area	3/2/07	8	<u> </u>	314	
	Plank Precast	result pro-cust upits lovel, about, equipe and bad	1512/01	- ¹		1121	
1.1	Strotter af	Calledy audice to receive two anexts of b functional soulse	1 512,167	2		1.0.1	
	Connection	Ushast broom (ms)	\$ 12107-	.9		1 24	
		venas assessed delenar og water haf fissast	512/07	P		112-	
		Enternal aibhi aurfacan to rochúra B cualit of urfan ar grafin Lluck entres paint	1.4-1-1-4-1	-p		D.K.	- [] (
172-06	Weber Chamber	Provide stanup service to create associate functioning property	322/27	2/ 1			
	e distant	Calification thefor with the Horr Communication range (1650/0414) ac CPMI approval to visit 5%	842165		• • • • • • • • • • • • • • • •		
		Valvos issterios vertical avertice	312/07-1			202	
15063	Ner-pars à	fatual transact to distribute load evening	19/2011				រីវីថី
	និមានដែលប្រ	couck naivang na paint restallation	14/2 102				<u></u>
		Examine prend system for following as	213 112	- v.			-10-1
15100	Value .	Create values fiely content to fully cleared	111111	12			
		Example mating Parene facult for leakables	1300				
	al - can be at la can an anna ann an an an	Arland an inplace water stanking other reports a value of time from tables	1 817100				-51
	1.11.11.11.12.12.11.11.11	Chock mapping for an exclusion	一、初后一			100	
	100 30 40 169 5 million	and pervice operatories for leafs, and options	- 37375			<u></u>	
3914	in the second	eter ant subject to statio water provise a last of 50 Mary second an array and a rest or the s			·····	traine ?	_ <u>/=//</u>
	Prata	Paters register festive reput statistics with measurements	1812/07	¥ 1		NM	UN I
		being blim nost which addition in Acceptance with AVCPA	18015			1.0.0	- <i>Jī</i>
						1. E	<u>/- V</u>

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той НСРРЕВ АVENUE, Phona: (201) 447-5740 NJ Us. No. 7130	WALDWICK, NJ 07463 Fax: (201) 447-6744		"Four Generations o 324 NORTH PLANK ROAD, NE Phono: (945) 566-0770	у Family Survic WBURGH, NY 125 Fax: (845) 565-13; RCNY Lic. No. 7
	STANDARD T	ESTING RE	CORD FORM	
Project Name: 44	light Fully Works Trongs			
Project Location:	High Frille N	Grand <u>Fla</u> k APro	ject Number: 14 16 - C	<u>: 5</u> 01
lest Date:	4-20-07		emneratura:	
PIPE LINE/SERVIC	ETECTED		2019 Ortadi 2, (0	
Name:				
Location/Description	1. Contract Price			
Piping & Materials:	15° C Fair Dur	Field For the section	<u><u> </u></u>	Print - 9 January - and 1 Martin - Strategy and a surger barrier and a strategy and a
Operating Pressure;		<u> 7. 7. 7. 7. 13</u>	all Cladeer	a a constant a second
Specification test pre	ssure: State Pass		والمحتجز	
TESTING METHOD		na bir an anna an anna an an anna an anna an an		
Method of Testing:	ı i			
nstrument Used;	<u> </u>			
Actual Test Pressure:	<u></u>	wige		
TEST RESULTO		الجريب المراجع والمراجع		
Time Test Started	to the second second			
Time Test Completed	10,00 AN	Pressure:	SOPCY	
Duration of Test:	<u> </u>	Pressure:	SED PSI	
ha ha	ang an an ang ang ang ang ang ang ang an	Pressure Rise:	O Drop: 🖒	
SIGNATURES	•			
Wilness:	Clichese 1 R. typ	~ .		
Wilness:	MAD Contraction	<u>Repr</u>	esenting: <u>Aromistee</u>	diar 1
<u>vyiness</u> :			esenting: <u>Contra</u>	
REMARKS			лоснину; 	

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MECHANICAL CON 168 HOPPER AVEHUE. Phene: (201) 447-6740 NJ Lie. No. 7130	ITRACTORS & ENGINEERS WALDWICK, NJ 07463 Fax: (201) 4.J7-5744	"Pour Generations of Printly Source 324 NORTH PLANK ROAD, NEWBURGH, NY 12566 Phone: (845) 566-0770 Fax: (845) 566-132 RCNY Uc, No. 730
•	STANDARD TE	STING RECORD FORM
Project Name:	hab Falle we to Tra	
Project Location:	High Fall NIV	$\frac{1}{2}$ $\frac{1}$
Test Date:	4-17-07	Temperature
		remperature: 95-0
PIPE LINE/SERVIC	ETESTED	
Name:	Ortho P.	hosphale
Location/Description	1: Lander 4 Car	Arrent Plant
Piping & Materials:	115 CARE Ph	St. J. Allows R. M. M. S.
Operating Pressure:		193 Ball Values
Specification test pri	essure:STOP_S_	
nstrument Used: Actual Test Pressure	<u> </u>	
TEST RESULTS		
Time Test Started:	12:00 4.35	
Time Test Completed	: 1100 PM	Pressure: <u>58 PST</u>
Duration of Task	2.1115	Pressure: 50. PST
Duration of rest.		
Duration of Test.		
SIGNATURES		
SIGNATURES Witness:	Michael Bitte	C/ Beorasopting
SIGNATURES Witness: Witness:	Michael Bitter	Representing: Armistead March
SIGNATURES Witness: Witness: Witness:	Michael Bitter TUDK Als	Representing: <u>Armistead Mark</u> Representing: <u>Costa</u>
SIGNATURES Witness: Wilness: Wilness: REMARKS	Michael Bitter The Alt	Representing: <u>Armistcod Mark</u> Representing: <u>Cost</u> Representing:
SIGNATURES Witness: Witness: Witness: REMARKS	Michael B. Hr.	Representing: <u>Armisteed Mard</u> Representing: <u>Costa</u> Representing:
SIGNATURES Witness: Witness: Witness: REMARKS	Michael Bittre	Representing: <u>Armistcod Mard</u> Representing: <u>Contr</u> Representing:
SIGNATURES Witness: Witness: Witness: REMARKS	Michael Bittin	Representing: <u>Armistcod Mark</u> Representing: <u>Cosit</u> Representing:

Armistead Mechanical, Inc.

168 HOPPER AVENUE, W Phone: (201) 447-6740 -	ИЛЕДИИСК, 117-07463 Fax: (201) 447-6744		7004 Generatio 324 NORTH PLANK ROAL	ons of Family Serie D. NEWBURG
NJ Liz, No. 7130			Phana: (845) 566-0	770 Fax: (0-15) 556-
· · ·				RCNY Lic. No.
, ,	STANDARD T	ESTING RE	CORD FORM	
Project Name: 1/4	ich the way is a second second			
Project Location:	High Fulls NV	nue + rlout Pro	ject Number: <u>HF-</u>	<u> 2507</u>
Test Date:	4-17-07		Femperature: 45	- C
PIPE LINE/SERVICE	TECTED			
Name:	Care edite			
Location/Description:	later to a stre	L		······································
Piping & Materials:	1/2" C DUC D.	Edgent Ma	La y	
Operating Pressure:	- Contract Str	2000 1-17-12045	Bull Carlos	
Specification test pre-	Ssure: Co 20	r		
,	/ /			
TESTING METHOD				
Method of Testing:	C. C. F. M.			
nstrument Used:	- Eliza Esta de la Esta		No	
Actual Test Pressure:	Contra Co	<u>Salage</u>	* ha 4. 78 day	
		./		
TEST RESULTS			·	
Time Test Started:	115 120	0		
Time Test Completed:	2:15 AL	. Pressure:	<u>SOPST</u>	
Duration of Test:	2 Hrs	. Pressure:	<u>so Pst</u>	•-
		Fressure Rise:	Drop:	0
SIGNATURES				
Witness:	Michael P.S.	La m	. •	
Witness:	CLAR ATX	<u>rep</u>	presenting: <u>Armist</u>	Endme
Witness:	Car A 210D	Rep	presenting: <u>Cant</u>	
· · · · · ·	an a		resenting:	The state of the s
REMARKS				
·	99 Million and any pair		**************************************	
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Armistead Mechanical, Inc.

168 HOPPER AVENUE, V	VALDWICK, NJ 07463	Four Generations of Family Se
Phona: (201) 447-6740 NULIC No. 7120	Fax: (201) 447-6744	J24 NORTH PLANK ROAD, NEWBURGH, M
	•	Phona: (445) 565-0770 Fax: (843) 566
		RCNY Lie, N
, .	STANDARD 1	FSTING DECODD FOR
		LOTING KECORD FORM
Project Name: 2	LATT HE . I want	
Project Location:	2 Cours (Matter 1 read)	Strast Plant Project Number: AF COSO 1
Tact Data:	High tradis John	
Ton Date,	4-19-07	Temperature:
	, -	
PIPE LINE/SERVICE	ETESTED	
Name:	16/4 dien-	*
Location/Description:	Werter Trent	Asia to File at
Piping & Materials:	12" CENE D	Constant 1 let to T
Operating Pressure:		The FITTINGS Fall Values
Specification test pre-	Saura' come Dive	5 j.
· · Fr. · ·		
TESTING METHOD		
Method of Tasting	. 1	
ashumont Linet:	$\left(\mathcal{L}_{a}^{(k)} \mathcal{L}_{a}^{(k)} \right) = \left(\mathcal{L}_{a}^{(k)} \mathcal{L}_{a}^{(k)} \right)$	
Astual Tast Da	0-1006	ats 60
Actual rest miessure:	58 PST	
TEST DECUM TO		
TEOTRESOLIS	. In sec	
time test Started:	111 36 Mar	Pressure Cash Decare
Time Test Completed:	1130 PM	Pressure: CA Daraba
Duration of Test:	D 1475	Pressure Biogram
	· · · · · · · · · · · · · · · · · · ·	Drop: O
SIGNATURES		
Wilness:	Michan I Richan	e de la companya de l
Witness;	Sa T 1	Representing: from is teach in
Wilness:	Clury Courspany the	Representing: Genty
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REMARKS	'	
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108 HOPPER AVENUE	MALTOKS & ENGINEERS	Promote & Language of Control of Statistics and Statistics of Control of Statistics (Control of Statistics of S		
Phone: (201) 447-57-10	Fat: 72011 112 15-1		Four Generatio	ad of Parally C
NJ Lic. No. 7130	- GA: [207) 3-47-0744		JUA NORTH PLANK ROAD,	NEWBURGH MY
			rauna: (845) 560-07	70 Fax: (845) 56
				RCNY LIC. I
	SIANDARD TH	ESTING DEC		
			JURD FORM	
Project Name: 🦯	tight Follow In The State			
Project Location:	11 - 11 allenter Treated	sout Planker Proj	ect Number: ZZ	
Test Date:	Migh Falls NU		<u> </u>	2581
		T		
PIPELINERCEN			amhaiainte: <u>SS</u>	
N E LINC/SERVICI	E TESTED			
iventio;	Maly Alm		. ,	
Location/Description:	· waite he	Children 10r	rdo	
Piping & Materials:	15-2012	ment Plan	N. 7	
Operating Pressure:	- and the Clark Martine	F- 3-110095	Ball 12.1.	
Specification test pre-			LETT LEGIDES	
	sure: <u></u> (9 s			
TESTING MITTIG			والمحافظ والمحافظ والمحافظ والمحافظ والمحافظ والمحاف المحافظ والمحافظ والمحاف	
Veter Car				-
Method of Testing:	- Calles for			
Instrument Used:	Burra a			
Actual Test Pressure:	(CF) D 27	C. 4 C		
•				
TEST RESULTS			· · · · · ·	
Time Test Started				-
Time Test Completed	CALE CHAI	Pressure:		
Duration of Tast	10,30 AM	Pressure		
	2 Hrs	Pressure Ring	<u>- 5.0. PSC</u>	
SIGNATURES		(Drop:	0
UNDAT UKES				
Witness:	dieben / Rein			
Wilness:	ACATS & a RA	Repres	senting: Arran chan	
	the as MY as the	Repres	Sentina:	a Mach
Witness:	a na a la companya a superior de la companya por la companya de la companya de la companya de la companya de la	Reares	enliorum	
Witness:		· · · · · · · · · · · · · · · ·		and a second particular of press of the second s
Witness:				
Witness:				
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Witness: REMARKS				
Witness: REMARKS				
Witness:				

768 HUPPER AVENUE, WALDWICK, NJ 07463 Phona: (201) 447-6740 Fax: (201) 447-6744 NJ Lic. No. 7130	S "Four Generations of Family 324 NORTH PLANK ROAD, NEWBURGH, Phone: (846) 566-0770 Fax: (845) BONY 1
STANDARD	TESTING RECORD FORM
Project Name: Auch Falls Western 7	Transfer (197. 4).
Project Location: <u>Mich Faults Al</u> Test Date:	12 Area Project Number: <u>AF-0.501</u>
	> Temperature:6_6
PIPE LINE/SERVICE TESTED	
Name: Now - 1 cm	Le Petropan
Piping & Materials	Errent Plant
Operating Pressure	E Ettings Ball Values
Specification test pressure	
TESTING METHOD	
Method of Testing:	
hstrument Used:	
Actual Test Pressure: So PST	
TEST RESULTS	
Time Test Started	
Time Test Completed Gr 3 a A	Pressure: SO PST
Duration of Test:	Pressure: 50 PSE
	Pressure Rise: O Drop: O
SIGNATURES	
Witness: Alchael But	45 ² martin and
Wilness: 255 R. Hut	Representing: Armistered Meri
Winess:	Representing: CoNTS
REMARKS	representing:
·	
(2) Service and the description (Without Birds, 2010) and statements in anti-standard service of the service	A State of the second se

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		너희 말 갑 않 > >

108 HOPPER AVENUE, WALDWICK, NU OTKO	JUNEERS Four Generations of Taxat
Phone: (201) 447-6740 Fax: (201) J47-6743	324 NORTH PLANK ROAD, NEWBURCH
NJ Lie. No. 7130	Phone: (3/5) 560-0770 Fax: (8/5) 568
	RCNY Lic, No.
STANDA	RD TESTING RECORD FORM
Project Name: Proh Falls	5 Water Treatment Project Number 4 Frances
Project Location: High Fai	115 N/4
Test Date: $4-10$	Temperature: 50
PIPE LINE/SERVICE TESTED	
Name	
Location/Deparietter A to 1	ed water
Pining P. Material	Entrant Plant Discharges ide A
Tiping a materials: <u>CCarbon 5</u>	teal Pipe Butter Aly Value
Operating Pressure: 50 PS	L
Specification test pressure: 7.20	7SI
TESTING METHOD	
Method of Testing:	bed
nstrument Used: $O = 2 cos$	
Actual Test Pressure: 720	Sarder Cr. C. C. C. C.
TEST RESULTS	
Time Test Started:	
Time Test Completed: Brand DA	Pressure: <u>720</u> PST
Duration of Test:	Pressure: 120 PSZ
	Pressure Rise: O Drop: O
SIGNATURES	
Witness: Michael)	Relation
Witness:	Representing: Aronistand
Witness:	Representing: CONTE
n and a standard stan 	Representing:
REMARKS	
REMARKS	
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158 HOPPER AVENUE Phone: (201) 447-5740 NJ Lic. No. 7130	NTRACTORS & ENGINEERS WALDWICK, NJ 07463 Fax: (201) 447-6744	"Four Generations of Family Sou J24 NORTH PLANK ROAD, NEWBURGH, NY 1 Phone: (345) 556-0770 Fux: (345) 555-
•	STANDARDT	RCNY LIC, No.
		LISTING RECORD FORM
Project Name: A Project Location: Test Date:	Hyl Falls Water Tren Hyl Falls NY 4-11-07	Temperature: 50
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Amistead Mechanical, Inc.

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168 HOPPER AVENUE, V Phone: (201) 117-67 (A	VALDWICK, NJ 07463		Four Generations of F 324 NORTH PLANK PDAD MOUNT	amily Service
NJ Lie, No. 7130	H9X: (201) 447-6744		Phone: (345) 565-0770 Fax	URGH, 11Y 1255
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Appendix G- List of Extended Warranties

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Mohonk Road Industrial Park List of Extended Warranties

Specification		
Section	Specification Name	Extended Warranty Period
2376	Geosynthetic Clay Liner	5 year manufacturer's warranty against deterioriation
		2 year installation warranty
7311	Asphalt Singles	30 year warranty
7920	Sealants and Caulking	2 year warranty on exterior sealing
8220	Fiberglass Reinforced Plastic FRP Doors and Fiberglass Resin Transfer	25 year warranty against failure due to corrosion.
	Molded Frames	10 year warranty on workmanship
8560	Vinyl Windows	10 year manufacturer's warranty
		10 year warranty on workmanship
8800	Glazing	10 year manufacturer's warranty on coated glass products
	Cidzing	10 year manufacturer's warranty on insulated glass
11305	Access Hatch	5 year manufacturer's warranty against deterioriation
11393	Water Treatment System	2 year manufacturer's warranty on turbidmeter

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Warranty Letter

July 23, 2007

Conli Environmental & Infrastructure, Inc One Cragwood Road South Plainfield, NJ 07080

Atten: Mr. Randy G. Goff

RE: Mohonk Water Treatment Plant, High Falls, NY Slemens Project # 110326/200305

Dear Mr. Groff:

This letter confirms that the Siemens Water Technologies supplied equipment was shipped from our facility and installed. The start-up and the operator training for the above referenced project was completed on July 13^h, 2007.

We certify that Siemens Water Technologies' equipment or system meets the specified requirements of our signed contract and the approved design submittal.

The warranty on the Siemens Water Technologies Equipment began on July 14th, 2007 and will end on July 13th, 2008. Terms and conditions of our warranty agreement abide by our signed purchase contract.

On behalf of Siemens Water Technologies, it has been a pleasure working with you and everyone involved with this most important project. For warranty issues please do not hesitate to contact our Service group at 1/800-547-1202 ext 4740. If you require any additional parts or service please contact our Aftermarket group at 1/800-364-3925.

Thanker again for your valued business!

Kan Peler Mosgofian /

Service Coordinator, Microfloc Products

Cc: Rep-Don Chalanick, Koester Associates, Inc PM-Kevin Burt Acot-Heidi Hadley File

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Siemens Water Technologies Corp.

333 South Street Shrewsbury, MA 01545 Tel: 508-849-4600 Fax: 508-849-4601 Page 1 of 1 ----

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Appendix H- Certificate of Readiness



I AATHAN R. MASIRO acting as the Commissioning Quality Control Systems Managor (CQCSM) certify the following named <u>Siphon House</u> system, and associated sub-systems. equipment, and controls is ready for operation.

Name & Position NAMAN R. MASTRO, QUALTAY CONTROL MINASER Address CONTE ENVERGAMENT F SNERASTRUCTURE, JOX. City, Town, Municipality I CRACHOOD RD. State, Country, Postal Code Scient RASNESEIN, NT OFOSO	
Date: 7/18/07	Certificate Mahonk Road Ir
r <u>(inford 0, Vogel</u> sepresenting the Commissioning Authority (CA) certify the failowing named Siphon House cystem, and associated authoves, equipment and	 of Readinest Idustrial Plant Superior
Controls is ready for operation. Nome & Position Richard D. Vogel, Project Engineer Address Contr City, Town, Municipality / Liggwood 2d. State, Country, Postal Code Son, Ph. Plainfield, NT. 07080	und Sile
Date 7/18/107 Signature Rectaudaritus	

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Name & Position NATIAN F. MASTRO Address I CARWook D. City, Town, Municipality Source HardFred State, Country, Postal Code	QUALETY CONTROL 1962.
Date. 7/18/07	Signature: DLDA Wer
Aichand D. V. uper representing the Cr named <u>Meter Chamber A</u> controls is ready for operation	ommissioning Authority (CA) certify the following system, and associated sub-systems, equipment, and
Name & Position Kithald D. Vogel Address ConTr. City, Town, Municipality ICrogword State, Country, Postal Code Softh	, Prister Engineer 52 RD. Daished, N.J. 07080
Date: 7/18107	Signature: Part and a Verst

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NATIAN L. MISTROacting as the Commissioning Quality Control Systems Manager (CQCSM)	
certify the following named Motor Chamber B system, and associated sub-systems.	
equipment, and controls is ready for operation.	
Name & Position NatilAN R. MASTRO, QUALETY CONTROL Met. Addrass I CRAGWOOD B. City, Town, Municipality SowTH PLASNERID State, Country, Postal Code NJ, 07080	
Dale: F/18/67 Signature: Albert Steler	Certificate of Mohenk Road Indust
<u>Richald P. Vogel</u> representing the Commissioning Authority (CA) certify the following named <u>Meter Chamber B</u> system, and accounted sub-systems, equipment, and controls is ready for operation. Mame & Position <u>Richard O. Vogel</u> , <u>Project Engineer</u> Address <u>Conti</u> Gity, Town, Municipality <u>I. Cragticula</u> 2d. State, Country, Postal Code <u>Suchth Phinfight</u> , <u>NJ</u> 07082	Readiness rial Plant Superfund Ste
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Certificate of Readiness

NAMEAN & MASTROacting as the Commissioning Quality Control Systems Manager (CQCSM) certify the following named Raw Water Valve House system, and associated sub-system
equipment, and controls is ready for operation
Name & Position DATHAN R. MASTRO, QUALETY CONTROL MER. Address I CRAGNOOD RD. City. Town, Municipality South RASNESED State, Country, Postal Code NJ, 07080
Date: 7/18/07- Signature Ladok. Algo
Richard D. V D52 representing the Commissioning Authority (CA) certify the following named <u>Raw Wafer Valve House</u> system, and associated sub-systems, equipment, and controls is ready for operation.
Nome & Position Richard O. Vogel Project Engineer Address Contri Craggood Rd- City, Town, Municipality South Dig MFX Id State, Country, Postal Code NJ 07080
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Date: 7/18/07

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A AMIAN L. MASTRO acting as the Commissioning Quality Control Systems Manager (CQCSM) certify the following named <u>Emergency Water Connection</u> system, and associated sub-systems, aquipment, and controls is ready for operation.

Name & Position NATHAN R. MASTED Address I CEAGNOOD KD. City, Town, Municipality Sarth HASNETOD State, Country, Postal Code NT, 07080
Date: 7/18/07 Signature: The T. Alex
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」 <u>光にからにひいアデビ</u> representing the Commissioning Authority (CA) certify the following named <u>Empreprised Water Connection</u> system, and associated sub-systems, agaipment, and
controls is ready for operation
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Address <u>Carl 11</u> City, Tawn, Municipality 1 (Cag & Past Ref. State, Country, Postal Code <u>Starth, Plain Cierta, Not a 70 8</u> 2
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1 MAHAN R. MISTRE acting as the Commissioning Quality Control Systems Manager (COCSM) certify the following named <u>Raw Water Storage Tank</u> system, and associated sub-systems, equipment, and controls is ready for operation.

Name & Position NATHAN K. MASTRO Address I CRAGNOOD RD. City, Town, Municipality Sunt PLAEN State, Country, Postal Code AJ, 07	, Quarty Control MGR. Изадо 080	
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1. Kullaid U. Wugt / representing the named Raw Water Storage Tank	he Commissioning Authority (CA) certify the following system: and sessembed sub systems, equipment, and	+ of Keadiness idustrial Plant Superfu
controls is ready for operation. Name & Position <u>Kichard O. V</u> Address <u>Contri</u> Gity, Town, Municipality <u>I (maguic</u> State Country, Postal Code <u>504/11</u>	nd Roviert Engineer	
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1 Nation R. Mastro sching as the Commissioning Quality Control Systems Manager (CQCSM) certify the following named <u>Filter Equipment</u> system, and associated sub-systems, equipment, and controls is ready for operation.

Name & Position NATHAN R. MASTRO, QUALOTY CONTROL MOR. Address I CRAGNOOD RD. City, Town, Municipality South PLANYSED State, Country, Postal Code NT, OTCBO	
Date: 7/18/07Signature / 11/0 K-Misson	Certificate Mohenk Reed In
Richard C. Voget representing the Commissioning Authority (CA) certify the following mined Filter Equipment system, and associated sub-systems, equipment, and controls is ready for constration	of Readiness
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Date 7/18/07 Signature Ry Levelortos	

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Name & Position NAMAN R. MASKO, QUALITY CONTROL MER. Address I CRAGNOOD 2D. City, Town, Municipality South RAINFIELD State, Country, Postal Code NT, 07080	
Dale: 7/18/07 Signature: Chill at last	Certificate of Mehonk Road Industr
Anthony CANCER And Commissioning Authority (CA) certify the following named <u>AP Blower</u> system, and associated sub-systems, equipment and controls is ready for operation. Name & Position Richard, U:VoJCI, ProJect Engineer Address Frontin	Readiness nal Plant Superfond Site
City, Town, Municipality 1 & Caqword Doc Ho. State, Country, Postal Code Superior Ho. Date: 1/8/02 Signature: Lick Months	

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I MANIAN 2. MASIRO acting as the Commissioning Quality Control Systems Manager (CQCSM) certily the following named Back Wash Pump Station system, and associated sub-systems, equipment, and controls is ready for operation.

Name & Position NATHAN R. MASTRO, QUALITY CONTROL MER.	
Address [CRAGNOO] KD. City, Town, Municipality South PLANNERLD State, Country, Postal Code NJT, 07080	
Date: F/18/07Signature: Phill K. Mass	Certificate o Mohonk Road Indu
Wedendo Vogel representing the Commissioning Authorsty (CA) certify the following anmed <u>Back Wash Pump Station</u> system and associated sub-systems, equipment, and controls is ready for operation.	f Readiness striat Plant Superfund
Name & Position Richard O. Vogel, Project Enginder Address CONT, City, Town, Municipality / Coggwood, Ref. State, Country, Postal Code South Prainfield, NJ 07080	S S
Date: ? [18/w7Signature:_Releading	

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I NATHAN R. MASTED acting as the Commissioning Quality Control Systems Manager (CQCSM) certify the following named <u>Clearwell</u> system, and associated sub-systems, equipment, and controls is ready for operation.

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<u>Richard D. Vogel</u> epresenting the Command <u>Clearwell</u> system controls is ready for operation Name & Position <u>Richard D. Vi</u>	missioning Authority (CA) certify the following term and associated sub-systems equipment, and 2gel Project Chajineer.
Address <u>CW177</u> City, Town, Municipality <u>C144</u> Wacd <u>C</u> State, Country, Postal Code <u>Sw471</u> <u>7</u>	MainField, NJ 01080
Dale: 7/13/07	Signature: Kulan HOIN 28

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Norman R. Masten acting as the Commissioning Quality Control Systems Manager (CQCSM) certify the following named Finished Water Pump system, and associated sub-systems,
equipment, and controls is ready for operation.
Name & Position NAHAN R. MASTRO, QUEVERY CONTROL MGR. Address CRACNOD RD. City, Town, Municipality SurA PLANFEED State, Country, Postal Code NJ, 07080
Date: 7/18/07 Signature: Call of task
Kicksist 0. Voglepresenting the Commissioning Authority (CA) certify the following named Finishell Water Pump system, and presidented sub-systems, equipment, and controls is ready for operation Name & Position Ridlard 0. Vogl, Present Engineer
City, Town, Municipality 1 Crarg Wited Ad:
Slate, Country, Postal Code)0496 Mark Marked, NA 07080
Date: 7/18/07Signature: Richardorttog

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NATHAN X. Maste nating as the Commissioning Quality Control Systems Manager (CQCSM) certify the following named ______ Finished Water Storage Tank ______ system, and associated sub-systems, equipment, and controls is ready for operation.

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ame & Position AAAAA L. M4312	(0) (90/1/2/17 CD/0/42) 1EC.
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Date 1/8/22 Signature: Worker O. Ward

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1 North R. Mastro acting as the Commissioning Quality Control Systems Manager (CQCSM)
certify the following named Building Mechanical system, and associated sub-systems,
equipment, and controls is ready for operation.
Name & Pasitian NATHAN R. MASTRO, QUALETY CONTROL MGR. Address CRACNOOD RD. City. Town, Municipality South PLACEFEED State, Country. Postal Code NJ, 07010
Date: 7/18/67 Signatur-2 LLD Z. Wey Reading
1 Act Act d 0. V a f ² representing the Commissioning Authority (CA) certify the fallowing named Building Mechanical system, and associated sub-systems equipment, and controls is ready for operation.
Name & Position <u>Kichard</u> O. VDGP1, Prostert Enginter Address <u>CONTI</u> City, Town, Municipality <u>ICTGGUEDOD</u> RA State, Country, Postal Code <u>DOG # MainField</u> , NJ 07080
Date: 7/18/07



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ANHAN R. MASRo acting as the Commissioning Quality Control Systems Manager (CQCSM)	
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Name & Position Killingra U. Vugel, Pruster Singineer Address City, Town, Municipality / Crgg Wood Pay State, Country, Postal Code Bough Mging. Cld, NJ 07080	30 30
Date: 7/18/07 Signature Richard Nogel	

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equipment, and controls is ready for operation.
Name & Position NATHAN R. MASIRO, QUALTHY CONTROL MGR. Address CRAGNOOD RD. City. Town. Municipality South RADIFIELD, State Country. Postal Code NJ, 07080
Dato: 7/18/07 Signature: 2010 R. May D
1 Rike(AO.i/apt) representing the Commissioning Authority (CA) certify the following Figure 1 1 Rike(AO.i/apt) system, and associated sub-systems, equipment, and Figure 2
Name & Position <u>Kithard Civegel</u> , <u>Project Engineer</u>
Date. 7/18/07 Signature: Relevor

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MANAN 2. MASILOacting as the Commissioning Quality Control Systems Manager (CQCSM)	
certify the following named <u>Water Distribution Main</u> system, and associated sub-system	115.
equipment, and controls is ready for operation.	

Name & Position NATHAN K. MASTRO, GUALET	V CONTROL MGR
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acciment and controls is ready for operation.
Name & Position NOMAN R. MASTRO, QUALERY CONTROL MGR.
Address Crachool Kp.
City, Town, Municipality South Bata Fell
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Date: 7/8/07- Signature: The Kinder
$\frac{2}{16244446.\sqrt{362}}$ representing the Commissioning Authority (CA) cartify the following named AMR Meter Reader and associated sub-systems, equipment, and controls is
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Name & Position Richard O. Vogel, Prespect Engrapper
City, Towo, Municipality Scient A Plain Field State, Country, Postal Code NJ D 7680
Date 2/18/27 Signature Achado Vost

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1 1 1444 2. MASKO acting as the Commissioning Quality Control Systems Manager (CQCSM)
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equipment, and controls is ready for operation.
Name & Position NorthAW R. MASKO, QUALSTY CONTROL MG2.
City Turn Municipality Straff PLATYFER()
State Country, Postal Code NJ, 07080
Date: 77/18/07
1 <u>Kitchetid 0-Vergel</u> representing the Commissioning Authority (CA) contray the following named Fire system, and associated sub-systems, equipment, and controls is ready for oparation
Name & Position
State, Country, Postal Code Journ Plaint, Pla, No 07080
Date: 1/18/127Signature VetaulorVog



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AMAW K. Mag120 acting as the Commissioning C certify the following named Lagoon Pump Statio	Quality Control Systems Manager (CQCSM) nsystem, and associated sub-systems.
equipment, and controls is ready for operation.	1
Name & Basilian NATHAN & MASTRO, QUALETY (WROL MGK.
Address CRAGNOOD RD.	
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Date: 7/8/07	Indure: Mahank Road Industrial
<i>1</i>	Pian Su
1 <u>Kill 4(J. U. NE25</u> Urapresenting the Commission named Lancon Pump Station system, a controls is ready for operation	ing Authority (CA) certify the following 5 p ad ascociated sub-systems, equipment, and 5 0 g 0
1 <u>Kill Al O Vizz</u> <u>Prepresenting the Commission</u> named <u>Lagoon Pump Station</u> ayotom, a centrals is ready for operation ayotom, a Mame & Position <u>Lithald</u> O. VizgP Address <u>Contral</u> <u>Contral</u> City Town Municipality I CC44 to yood	Authority (CA) certify the following and associated sub-systems, equipment, and associated sub-s
1 <u>Ki/(AI) (J.V27</u> <u>Vrepresenting the Commission</u> named Lancon Pump Station oyotom, a controls is ready for operation oyotom, a Mame & Position <u>Allhald</u> (J. VEGP) Address <u>Con Till</u> City, Town, Municipality <u>Lancode</u> State, Country, Postal Code <u>572</u> , <u>564</u> , <u>764</u> , <u>7</u>	Ing Authority (CA) certify the following 3 Ind associated sub-systems, equipment, and 3 Indiascociated sub-systems, equipment, and <

REGISTRY FILE NUMBER REGISTRY LOCATION

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1 NITHW R. MASTRO acting as the Commissioning Quality Control Systems Manager (CQCSM)	
equipment and controls is ready for postation.	
Name & Position, NAMAN R. MASTRO, QUALTHY CONTROL MGE. Address [CPAGNOOD B. City, Town, Municipality South PLATNETELD State Country, Postal Code NJ, OF080	
Date: 7/18/07 Signalure: Net Man	Certificate of I Mohonk Rozd Industri
<u><u><u><u>A</u></u><u>A</u><u>A</u><u>A</u><u>A</u><u>A</u><u>A</u><u>A</u><u>A</u><u>A</u><u>A</u><u>A</u></u></u>	Readiness al Plant Superfund Site
Dele_7/18/27Signature: Milary Conf	

REGISTRY FILE NUMBER REGISTER LOCATION

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Appendix I- Service Connection Logs

		Grounded	Date	23-Aug	23-Aug	27-Aug	27-Aug	28-Sep	12-Sep	23-Aug	26-Sep	27-Aug	24-Aug	24-Aug	27-Aug	27-Aug			Groundad
	House	Presssure	(psi)	50	50	50	50	50	50	45	50	50	50	50	50	50			House
		POET	REMOVED							yes									DCC DCC
			Meter #/Comments	5477240	5477226	5477179	5477210	5477248	5477235/4753184	5477241/4734297	547729	5477147	5477222	5477212	5477214	5477086			
:	Well Terminated/	Capped/	Labeled	5-Oct	24-Sep	24-Sep	25-Sep	28-Sep	25-Sep	15-Nov	25-Sep	25-Sep	24-Sep	24-Sep	05-Oct		oad	Well	Terminated/
Berme Road			Manifold Installed	5-Aug	6-Apr	6-Apr	5-Apr	26-Jun	26-Jun	15-Nov	21-Jul	16-May	5-Apr	5-Apr	5-Apr	21-Jul	Mountain View R		
	•		Flushed/Ck. Valve	4-Apr	4-Apr	4-Apr	4-Apr	4-Apr	5-Jun	15-Jun	4-Apr	16-May	4-Apr	4-Apr	4-Apr	5-Apr			
			House #	1032	1033	1039	1042	1044	1047	1048	1054	1066	1097	1105	1125	1154			

High Falls Water District House Connections

		Grounded	Date	21-Aug	20-Aug	20-Aug	20-Aug	19-Oct
	House	Presssure	(psi)	50	50	50	50	50
		POET	REMOVED		yes	<i>.</i>		
			Meter #/Comments	5477088	5477122	5672202	5477119	5477089
Well	Terminated/	Capped/	Labeled	7-Nov	16-Nov	19-Oct	19-Oct	19-Oct
			Manifold Installed	14-May	2-May	1-May	3-May	28-Jun
			Flushed/Ck. Valve	4-Apr	24-Apr	23-Apr	23-Apr	24-Apr
			House #	159 A	159 B	Trailer #1	Office	Trailer #2

			Grounded	Date	8-Oct	10-Sep	8-Aug	8-Aug	5-Sep	10-Sep	10-Sep	
		House	Presssure	(psi)	34	50	50	50	50	50	50	
			POET	REMOVED	yes	yes		yes	yes	yes	yes	
				Meter #/Comments	5477205	5477148	5477098	5477142	5477149	5477163	5477156	
	Well	Terminated/	Capped/	Labeled	05-Oct	19-Nov	7-Nov	16-Nov	1-Nov	1-Nov	20-Nov	
Steep Hill				Manifold Installed	16-Jul	16-Jul	15-May	2-May	16-May	30-Jul	16-Jui	
				Flushed/Ck. Valve	30-Apr	4-Jun	15-May	30-Apr	18-Apr	18-Apr	1-Jun	
				House #	6	10	36	44	4	14	107	

200				Grounded	Date	4-Sep	4-Sep	4-Sen	4-Sen	10-Sen	4-Sen	17-Sen	17-Sen
22			House	Presssure	(bsi)	50	50	50	20	20	35	202	205
yw				POET	REMOVED	yes	ýes	Ves	ves	ves	Ves	Ves	Ves
0111110					Meter #/Comments	5477137	5477141	5477123	5477202	5477123	5477199	5477104	5477105
		Well	Terminated/	Capped/	Labeled	16-Nov	8-Nov	8-Nov	8-Nov	1-Nov	6-Nov	7-Nov	1-Nov
	Fourth Street				Manifold Installed	30-Apr	4-May	4-May	4-May	5-May	4-May	28-Jun	28-Jun
					Flushed/Ck. Valve	19-Apr.	18-Apr	18-Apr	18-Apr	27-Apr	19-Apr	19-Apr	20-Apr
					House #	━-	6	11 b1	11 b2	16	18	20	22

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10-Sep 5-Sep 202 Ves 5477157 5477140 1-Nov 5-Nov 30-Jul 30-Apr 1-Jun 30-Apr 108 112

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		Grounded	Date	0 20-Aug	0 23-Aug	0 17-Sep		0 11-Sep	0		0 10-Oct	0 21-Sep	0 20-Sep	5 21-Sep	0 21-Sep	10-Aug	3 25-Sep	0 10-Aug	0-Aug	0 10-Aug	0 10-Aug	4 20-Sep		0 9-Aug	0 9-Aug	0 6-Aug	0 6-Aug	orAug	0 8-Aug	0 9-Aug	0 21-Sep	0 21-Aug	0 9-Aug	0 18-Oct	0 19-Sep	0 19-Sep	0 20-Aug	0 1-Oct	5 5-Sep	5 8-Aug	D 7-Aug	0 8-Aug	0 7-Aug	×
	House	Presssure	(isd)	2(ŭ	2(99	5(2(2(20	έ	2(50	34	2	2(2(2(717		2(2(2	2(99	2(5(2(5(5(2(2(99	2(2(74	4	2(2(2(
		POET	REMOVED									yes	yes	yes		yes	yes	yes	yes	yes	yes	yes		yes		yes	yes				yes	yes	yes	yes	yes	yes	yes		yes	yes		yes	yes	
			Meter #/Comments	5477185	5477196	5477229	Curb Stop/Barn on Lot	5477089	5477112	Curb Stop/Art Center	5672185	5477094	5477165	5672203	5477153	5477091	5477155	5477085	5672188	5477190	5477118	5477223	Curb Stop/Vacant Lot	5477113	5477224	5477117	5477144	5477175	5477188	5477197	5477117	5477186	5477093	5477228	5477158	5477228	5477097	5477200	5477156	5477096	5477099	5477100	5477228	Line in Basement-Vacant
l	Well Torminafod/	Capped/	Labeled	16-Nov	17-Nov	24-Sep		7-Nov	14-Nov		10-Oct	14-Nov	7-Nov	7-Nov	7-Nov	1-Nov	10-Nov	1-Nov	17-Oct	7-NoV	17-Oct	23-Oct		30-Jul	16-Oct	16-Oct	16-Oct	21-Jun	15-Oct	21-Nov	30-Oct	25-Oct	26-Oct	18-Oct	8-Nov	8-Nov	1-Nov	01-Oct	1-Nov	6-Nov	18-Oct	18-Oct	17-Nov	
Wohonk Road			Manifold Installed	27-Apr	30-Apr	27-Jul	x	30-Apr	30-Oct		10-Oct	30-Apr	2-May	7-Nov	17-May	27-Apr	26-Jun	26-Jun	26-Jun	24-Apr	25-Apr	23-Apr	×	23-Apr	23-Apr	24-Apr	23-Apr	18-May	24-Apr	10-May	25-Apr	30-Apr	30-Apr	26-Jul	26-Jul	27-Jun	15-May	1-May	30-Jul	14-May	1-May	1-May	28-Jun	×
			Flushed/Ck. Valve	24-Apr	30-Apr	30-Apr	×	19-Apr	19-Apr	18-May	25-Apr	27-Apr	1-May	17-May	17-May	25-Apr	26-Jun	26-Jun	18-May	24-Apr	23-Apr	23-Apr	x	20-Apr	20-Apr	20-Apr	20-Apr	18-May	23-Apr	20-Apr	24-Apr	24-Apr	23-Apr	26-Jul	27-Apr	27-Jun	15-May	24-Apr	4-Jun	30-Apr	30-Apr	30-Apr	4-Jun	
			House #	222	220	200	201	199	191	196	187	186	183	171	161	150	138	137	130	126	125	123	123 G	120	116	117	115	113	112	111	107	101	79	58	53	50	49	45	39	32	31b	31a	28	5 School Hill

	r			·1	1.000	a	-	1,000	21	· · · · · ·	~~~~				· · · ·	-	-										.	· · · ·							-					
		Grounded	Date	31-Aug		5-Sep	31-Aua	5	26-Sep	27-Sep	30-Aug	27-Sep	25-Sep	26-Sep	18-Sep	5-Sep	19-Sep	18-Sep	19-Sen	30-Aud	18-Sep	•	30-Aug	30-Aug	28-Aug	28-Aug	28-Aug	31-Aug				Grounded	5-Sep	<u>k</u> ; ;			Croundad	Date	19-Sep	18-Sep
		Presssure	(psi)	50		50	19-Feb		50	50	50	50	50	50	50	50	50	50	50	50	50		50	50	50	50	50	50			House	Presssure (nei)	48			Hoitee	Drocentro	riesssure (nei)	50	50
		POET	REMOVED						ves	Ves	1									ves			yes	yes	yes							POET REMOVED					DOET	REMOVED		
			Meter #/Comments	5477134	Curb Stop-Vacant	5477084	5477134	Curb Stop/Vacant (Fire)	5477163	5477227	5477177	5477234	5477164	5477164	5477243	5477120	5477204	5477208	5477192	5477176	5477169	Curb Stop - Future Buldg	5477177	5477178	5477123	5477174	5477245	5477244				Weter #/Comments	5477088					Meter #/Comments	5477129	5477125
-	Well Terminated/	Capped/	Labeled	1-Nov		1-Nov	24-Oct		25-Sep	29-Oct	29-Oct	16-Nov	24-Sep	26-Sep	25-Sep	8-Nov	10-Nov	×	16-Nov	10-Nov	10-Nov		26-Oct	25-Oct	8-Nov	8-Nov	13-Nov.	24-Sep	ld	Well	Terminated/	Capped/ Labeled	9-Nov		11~101	Terminated/	Canned/	Labeled	19-Nov	14-Nov
Rt 213			Manifold Installed	17-May	x	16-May	5-Jun	<u> </u>	26-Sep	29-Oct	9-Oct	27-Sep	3-Jul	26-Sep	7-Aug	2-May	5-Jul	5-Jul	23-Sep	8-May	8-May	×*	8-May	10-May	8-May	8-May	7-Aug	7-Aug	Strawberrv Roa			Manifold Installed	17-May	Onick Road	5571 ::	. <u>,</u>	-	Manifold Installed	19-Nov	14-Nov
			Flushed/Ck. Valve	<u>16-May</u>	×	16-May	4-Jun	X	2-May	16-May.	2-May	18-Apr	18-Apr	1-May	27-Apr	17-Apr	4-Jun	4-Jun	17-May	2-May	2-May	×*	2-May	2-May	1-May	1-May	1-May	1-May			•	Flushed/Ck. Valve	17-May					Flushed/Ck. Valve	17-Apr	17-Apr
			House #	1203	1203 Trailer	1204	1304	Mobile Home	1314 LT C	1315	1315 Office	1343	1347 Verizon	1355	1053	1061 Motel	1066	1066	1076	103 NY Store	103 Wood Shop	107	107 Post Office	113 Town Pantry	121	125	133	139				House #	15					House #	*-	21

Date 19-Sep 18-Sep

										. I					
			Grounded	Date	28-Aug	27-Aug	27-Aug	28-Aug	28-Aug				Grounded	Date	24-Aug
		House	Presssure	(psi)	50	41	41	50	50			House	Presssure	(isd)	50
			POET	REMOVED									POET	REMOVED	yes
				Meter #/Comments	5477198	5672204	5477107	5477108	5477109					Meter #/Comments	547203
ţ	Well	Terminated/	Capped/	Labeled	30-Oct	11-Nov	11-Nov	12-Nov	12-Nov		Well	Terminated/	Capped/	Labeled	13-Nov
Orchard Stree				Manifold Installed	10-May	11-Nov	11-Nov	12-Nov	12-Nov	Canal Road				Manifold Installed	24-Aug
				Flushed/Ck. Valve	18-Apr	18-Apr	27-Apr	17-Apr	27-Apr					Flushed/Ck. Valve	4-Apr
				House #	155 Rest	4	4	25	45					House #	1028

	•	Grounded	Date	24-Aug		28-Sep	27-Sep	23-Aug	10-Oct	23-Aug	23-Aug	22-Aug	22-Aug	22-Aug
	House	Presssure	(isd)	50		50	48	46	50	50	50	49	40	50
		POET	REMOVED	yes			yes	yes	yes	yes	yes	yes	yes	Ves
			Meter #/Comments	547203	Curb Stop/No Bldg	5614487	5477162	5477110	547110	5477181	5477111	5477225	5477182	5477191
Well	Terminated/	Capped/	Labeled	13-Nov		16-Nov	26-Sep	28-Sep	10-Oct	09-Oct	27-Sep	2-Nov	2-Nov	09-Oct
			Manifold Installed	24-Aug	×	16-Nov	26-Sep	28-Sep	18-Apr	17-Apr	6-Apr	18-Apr	18-Apr	2-Mav
			Flushed/Ck. Valve	4-Apr	×	13-Apr	6-Apr	13-Apr.	6-Apr	6-Apr	6-Apr	9-Apr	9-Apr	18-Anr
			House #	1028	Transfer Yard	96	52	£‡	40	31	30	20	16	

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		Grounded	Date	27-Aug	X	27-Aug	х	28-Aug	30-Aug	28-Aug	30-Aug	28-Aug	28-Aug			Grounded
	House	Presssure	(psi)	20		50		50	20	50	50	50	50			House
		POET	REMOVED										yes			POET
			Meter #/Comments	5477107	Curb Stop/Vacant	5477108	Curb Stop/Vacant	5477109	5672200	5477229	5477209	5477184	5477213			
•	Well Terminated/	Capped/	Labeled	13-Nov		13-Nov		16-Nov	20-Nov	16-Nov	16-Nov	16-Nov	16-Nov	ad	Well	Terminated/ Capped/
Depew Road			Manifold Installed	22-May	×	22-May	×	30-Apr	20-Nov	16-Nov	17-Apr	17-Apr	17-Apr	School Hill Roa		
			Flushed/Ck. Valve	6-Apr	×	9-Apr	×	9-Apr	5-Apr	5-Apr	6-Apr	17-Apr	17-Apr			
	-		House #	10	Antique Shop 18	16	Riccis Repair	30	40	50	51	53	55			

		Grounded	Date	17-Sep	×	21-Sep	12-Sep	12-Sep	10-Sep	19-Sep	19-Sep	×	21-Sep	5-Oct	28-Sep	5-Oct	21-Aug	5-Oct
	House	Presssure	(isd)	45		50	50	50	50	20	41		20	44	20	20	20	09
		POET	REMOVED	yes		yes	yes	yes	yes									
			Meter #/Comments	5477138	Curb Stop-No Building	5477165	5477139	5477123	5477141	5477166	5477232	Curb Stop	5477157	5477158	5477159	5477160	5477241	5477242
Well	Terminated/	Capped/	Labeled	6-Nov		6-Nov	6-Nov	6-Nov	8-Nov	6-Nov	23-Sep		16-Nov	29-SEP	· 29-SEP	05-Oct	21-Nov	17-Nov
			Manifold Installed	30-Apr	×	23-Jul	30-Apr	30-Apr	8-Nov	20-Jul	20-Jul	×	26-Jun	26-Jun	26-Jun	26-Jun	8-Aug	1-Aug
			Flushed/Ck. Valve	9-Apr	×	9-Apr	18-Apr	9-Apr	18-Apr	9-Apr	17-Apr	Refused	17-Apr	12-Apr	12-Apr	12-Apr	1-May	27-Jun
			House #	16	Future	17	30 Ambulance	30 Rescue Unit	207	45 (25)	53	4	70	84	96	112	116	Barn

	-		Grounded	Date	0 6-Aug	0 20-Sep	0 20-Sep	0 19-Oct	0 6-Aug	×	
		House	Presssure	(isd)	99	2(2(20	2(
	-		POET	REMOVED	yes	yes	yes	yes	yes		
				Meter #/Comments	5477161	5672207	5477172	5477230	5477156	Fire Dept. Fill-up	
d .	Well	Terminated/	Capped/	Labeled	23-Sep	15-Nov	17-Oct	17-Oct	7-Nov		
Firehouse Roa				Manifold Installed	24-Jul	15-Nov	14-May	24-Jul	27-Jul		• • •
				Flushed/Ck. Valve	17-May	2-May	2-May	10-May	27-Jul		•
				House #	4 Church	8	7	6	Firehouse - 1"	Firehouse - 4"	

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Roman Drive

3		,	Grounded	Date	9-0ct	25-Sep	X	25-Sep
		House	Presssure	(isd)	50	50		20
			POET	REMOVED				
				Meter #/Comments	5477101	5477102	Bldg. Fire / Curb Stop	5477103
	Well	Terminated/	Capped/	Labeled	19-Nov	19-Nov		19-Nov
				Manifold Installed	29-Jun	29-Jun		29-Jun
				Flushed/Ck. Valve	11-May	10-May		10-May
				House #	7	6	11	22

		Grounded	Date	4-Sep	31-Aug	2-Oct	3-Oct	1-Oct	3-Oct	2-Oct	18-Sep	8-Oct	×	18-Sep	17-Sep	18-Sep	18-Sep				Grounded
	110,000	Presssine	(psi)	40	50	50	50	50	50	50	50	50	50	20	50	50	50			House	Presssure
		POFT	REMOVED	yes																	POET
			Meter #/Comments	5477085	5477170		5477086	5477087	5477106	5477107	5477108	5477171	Line @ House-Owner OK'd	5477160	5477152	5477148	5477128				
ld bl	Well	l erminateo/ Canned/	Labeled	24-Oct	13-Nov	2-Oct	21-Nov	21-Nov	02-Oct	02-Oct	02-Oct	10-Oct	-	21-Nov	14-Nov	12-Nov	13-Nov		Well	Terminated/	Capped/
Bruceville Roa			Manifotd Installed	15-May	14-May	14-Nov	15-May	15-May	27-Jul	27-Jul	27-Jul	14-May		25-Jul	15-May	15-May	17-Sep	JFK Road			Monifaid landallad
			Flushed/Ck. Valve	15-May	14-May	3-Jul	15-May	15-May	27-Jul	31-May	15-May	14-May	14-May	5-Jun	15-May	15-May	10-May				Elished (Change
			House #	Egg's Nest	Res 1	Res 2 (13)	19 - 1	19 - 2	10	14	18	22	24	25	30	36	44				H ~~~~ 1

		Grounded	Date	13-Sep	13-Sep	x	13-Sep	15-Oct	15-Oct	24-Sep	15-Oct
	House	Presssure	(bsi)	50	20		50	50	50	50	46
		POET	REMOVED								
			Meter #/Comments	5477095	5477220	Curb Stop / No Septic	5477256	5477248	5672186	5477160	5672189
Well	Terminated/	Capped/	Labeled	04-Oct	20-Nov		01-Oct	19-Nov	11-Oct	19-Nov	11-Oct
			Manifold Installed	14-May	20-Nov	×	6-Aug	10-Jul	11-Oct	10-Oct	11-Oct
			Flushed/Ck. Valve	14-May	11-May	×	11-May	11-May	11-Oct	10-May	10-May
			House #	37	Trailer	Church	47	12	14	20	25

			Grounded	Date	11-Sep	11-Sep
		House	Presssure	(psi)	44	44
			POET	REMOVED		
				Meter-#/Comments	5477230	5477231
	Well	Terminated/	Capped/	Labeled	14-Nov	14-Nov
Dutch Barn				Manifold Installed	23-Jul	23-Jul
				Flushed/Ck. Valve	18-May	18-May
				House #	~	2

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			Grounded	Date	24-Aug	4-0ct				Grounded	Date	13-Sep	13-Sep	1-Oct	28-Sep	3-Oct	21-Sep	2-Oct	12-Sep	12-Sep	24-Sep	11-Sep	11-Sep	24-Sep	13-Sep
		House	Presssure	(psi)	50	48			House	Presssure	(psi)	50	50	20	50	50	50	50	50	40	50	50	50	50	45
			POET	REMOVED						POET	REMOVED								yes						
				Meter #/Comments	5477239	5672193					Meter #/Comments	5477151	5477084	5477083	5477138	5672214	5477193	5672213	5477150	5477168	5477155	5477115	5477090	5477169	5477169
	Well	Terminated/	Capped/	Labeled	11-Oct	04-Oct	, ,	Well	Terminated/	Capped/	Labeled	07-Oct	01-Oct	01-Oct	08-Sep	01-Oct	14-Nov	01-Oct	03-Oct	03-Oct	3-Oct	03-Oct	21-Nov	16-Nov	12-Nov
Gravel Road				Manifold Installed	4-Jun	4-Oct	Old Rt 213				Manifold Installed	16-May	17-May	17-May	23-May	1-Oct	30-Sep	1-Oct	16-May	11-May	3-Oct	25-Apr	25-Apr	16-Nov	11-May
				Flushed/Ck. Valve	11-May	10-May					Flushed/Ck. Valve	14-May	17-May	17-May	14-May	18-May	11-May	11-May	14-May	25-Apr	10-May	25-Apr	25-Apr	25-Apr	10-May
				House #	11	15					House #	7	11	15	17	34	38	54 Studio	55	60	64	72	76	61	80

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Appendix J- Issues and Resolution Log

7/1	1/2008)

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MOHONK ROAD INDUSTRIAL SUPERFUND SITE										
ISSUES LOG										
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Corrective Action	Descriptive	issue	Issue	Tesi	System or	Comments	Recommended	Responsible	Correction	Person
Report #	Title	Time	Date	Number	Subsystem		Action	Team Member	Date	Documenting
1	Vertical Turbine Pumps Leaking	12:00	4/13/07	N/A	Vertical Turbine Pumps	Water Leaking put of Frame	Tighten Lugs	John Curran	Fri 4/13	Nate Mastro
2	24" Manhole Leaking	12:00	4/13/07	N/A	Finished Water Tank	Water Leaking from Gaskel	Install Gasket Manhole	John Curran	Fri 4/13	Nate Mastro
3	Backwash Pumps	2:30	4/13/07	N/A	Backwash Pil	Sucking Air	Priming Pumps	Frank Townsend	Wed 4/18	Nate Mastro
4	Lighting	12:00	4/18/07	N/A	Electrical	Plastic Light Covers	Install Light Covers	John Curran	Fri 5/18	Nale Masiro
5	Filler #1 pipe bracket	8:00	5/8/07	N/A	Filler #1	Pipe bracket welded wrong	Insiail ss piale & bolls	Rick Vogel	5/10/07	Rick Vogel
6	Turbidimeter conduit sieve	8:15	5/8/07	N/A	Filter system	No sleeve installed	install sleeve for wire	Rick Vogel	5/16/07	Rick Vogel
7	Polymer feed lines	9:30	5/8/07	N/A	Filler system	lines rouled wrong	re-roule lines	Rick Vogel	5/10/07	Rick Vogel
8	CL2 Analyzer drain	10:00	5/8/07	N/A	Filter system	Drains to clearwell	re-route lines lo waste	Rick Vogel	5/10/07	Rick Vogel
9	Backwash feed line guages	10:15	5/8/07	N/A	Filter system	No guages provided	Install guages	Rick Vogel	5/16/07	Rick Vogel
10	Steaming current detector feed line	11:00	5/8/07	N/A	Filler system	Tapped in wrong place	Tap and re-route line past mixer	Rick Vogei	5/22/07	Rick Vogel
11	Blowers	11:30	5/8/07	N/A	Filler system	Springs not Heavy Duly	Replace with heavy duty	Rick Vogel	5/9/2007 #1 6/6/07 #2	Rick Vogei
12	Polymer day tanks	9:00	5/9/07	N/A	Chemical	Not Iransparent	Replace with transparent	Nate Masiro	7/18/07	Rick Vogel
13	Backwash ARV	9:30	5/9/07	N/A	Filter syslem	Leaking	Check min pressure	Nate Mastro	7/2/07	Rick Vogel
14	Compressor Disconnect	10:00	5/9/07	N/A	Filler system	Slarler tabeling & switches	remove switches & re-label as disconnect	Nate Mastro	6/14/07	Rick Vogel
15	BW & drain lines/grating	9:00	5/10/07	N/A	Filler system	Excess spraying	cut grating, extend piping	Nøte Masiro	5/16/07	Rick Vogel
16	Compressor pressure regulator	10:00	5/10/07	N/A	Filter system	no regualtor Installed	instalt regulator	Nale Mastro	5/22/07	Rick Vogel
17	Drain line OCV valve	10:00	5/11/07	N/A	Filler system	not enough pressure to operate	remove valves	Nate Mastro	5/31/07	Rick Vogel
18	Lagoon pumps	10:30	5/11/07	N/A	Filter effluent system	breakers tripping	Install new breaker	Nate Mastro	5/11/07	Rick Vogel
19	ARV valves	10:45	5/11/07	N/A	Filter system	drain piping	pipe to floor	Nale Mastro	5/28/07	Rick Vogel
20	bracing	11:00	5/11/07	N/A	Chemical system	bracing weak	strengthen bracing	Nale Mastro	5/31/07	Rick Vogel
21	Finish water control line	11:15	5/11/07	N/A	Finish waler	no valve Installed	install valve	Nate Mastro	5/15/07	Rick Vogel
22	Raw water orflice plate	11:30	5/11/07	N/A	Filter system	plate installed packwards	re-install plate	Rick Vagel	5/11/07	Rick Vogel
23	Turbidimeter drain lines	12:00	5/11/07	N/A	Filter system	Drains to clearwell	re-route to waste	Rick Vogel	5/15/07	Rick Vogel
24	Chemical feed lines	8:00	5/14/07	N/A	Filter system	no check vales at injection point	Install check valves	Nale Mastro	5/15/07	Rick Vogel
25	Filter gate condults	9:00	5/10/07	N/A	Filler system	conduits damaged	repair conduits	Rick Vogel	5/16/07	Rick Vogel
26	Oxygenaled water	9;00	5/10/07	N/A	Filter System	high DO levels	Under Review	Nate Mastro	7/2/07	Rick Vogel
27	Filter tank grouting	9;30	5/10/07	N/A	Fliter system	No grouling under tanks	grout under lanks	Nate Mastro	7/24/07	Rick Vogal
28	pre & post chlorination line	1:00	5/10/07	N/A	Chemical syslem	possible contaminat. Issue	RFI to USACE	Nate Mastro	5/31/07	Rick Vogel

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29	Hypochlorite pumps	1:00	5/10/07	N/A	Chemical syslem	pumps too នភាងll	RFI to USACE	Nate Mastro	5/31/07	Rick Vogel
30	CL2 Analyzer chemicals	1:30	5/10/07	N/A	Analyzer system	total inslead of free residual	replace with free residual chemicals	Rick Vogel	5/15/07	Rick Vogel
31	Turbidimeter	2:00	5/10/07	N/A	Analyzer system	Air trapped in turbidimeters	RFI to USACE	Nate Mastro	5/28/07	Rick Vogel
32	Non-Ionic feed	8:00	5/11/07	N/A	Chemical system	feed rale too low	RFI IO USACE	Nate Mastro	5/31/07	Rick Vogel
33	cl2 injection point	8:30	5/11/07	N/A	Chemical syslem	Injection quili too small	install proper injection quili	Nate Mastro	5/31/07	Rick Vogel
34	Electrical room excess heat	9;00	5/14/07	N/A	Electrical	Excessive heat in room	RFI to USACE	Nate Mastro	5/31/07	Rick Vogel
35	Generator/dialer	9;00	5/14/07	N/A	Electrical	Generator not In dialer system	RFI to USACE	Nale Mastro	5/31/07	Rick Vogel
36	Analyzer drain lines	9:00	5/14/07	N/A	Filter system	drained to floor	cut flooring for drainage	Rick Vogel	5/17/07	Rick Vogel
37	Post filter turbidimeters	9:00	5/14/07	N/A	Filter system	hard piping Introduces air	replace with tubing	Nate Mastro	5/31/07	Rick Vogel
38	Raw Waler Valvehouse backflow preventer drains	9;30	5/14/07	N/A	Raw water feed	backflow preventers drain to floor	install drain lines	Nale Masiro	5/31/07	Rick Vogel
39	Locker room shower	10:00	5/16/07	N/A	Plumbing	Shower valve leaks	repair vaive, caulk shower	Nate Mastro	7/12/07	Rick Vogel
40	Alr compressor dryer	10;30	5/16/07	N/A	Air system	leaiding fitting on dryer	repair filling	Nale Mastro	5/22/07	Rick Vogel
41	Lagoon pumps	11:00	5/16/07	N/A	Effluent system	seals leaking	repair seals	Nate Mastro	7/18/07	Rick Vogel
43	Aqualogics	7:00	5/18/07	N/A	Controis	not finalized	finalize controls, start-up & training	Rick Vogel	7/12/07	Rick Vogel
44	Siemens	7:00	18-May	N/A	Filter system	not finalized	finalize filter system slart-up & training	Rick Vogel	7/12/07	Rick Vogel

MOHONK ROAD INDUSTRIAL SUPERFUND SITE									
		RESOLU	TION LOG	1					
Corrective Action	Date	Action	Required	Completed		Person			
Report #	Resolved	Description	Changes	Y or N	Owner	Documenting			
1	4/16/07	Tighten Lugs- Vertical Lift Pumps	N/A	Y	Conti	Nate Mastro			
2	4/17/07	Tighten Bolts- 24" Manhole	N/A	Y	Phoenix	Nat Mastro			
3	4/16/07	Prime Submersible Pumps	N/A	Y	Conti	Nat Mastro			
4	5/18/07	Install lighting covers	N/A	Y	Conti	Nate Mastro			
5	5/10/07	Install stainless steel plate & bolts	N/A	Y	Conti	Rick Vogei			
6	5/16/07	Install turbidimeter conduit sleeve	N/A	Y	Perecca	Rick Vogel			
7	5/10/07	Re-route Polymer filter aid lines	N/A	Y	Armistead	Rick Vogel			
8	5/10/07	Re-pipe CL2 analyzer drains	N/A	Y	Armistead	Rick Vogel			
9	5/16/07	Install backwash feed line guages	N/A	Y	Conti	Rick Vogel			
10	5/22/07	Re-route streaming current detector feed line	N/A	Y	Armistead	Rick Vogel			
11	5/9/07	Install new heavy duty blower springs	N/A	Y	Seimens	Rick Vogel			
12	7/18/07	Install transparent Polymer feed tanks	Install transparent tanks	Y	Koester	Rick Vogel			
13	7/2/07	Backwash ARV valve leaking	Pipe to Backwash Pit	Y	Armistead	Rick Vogel			
14	6/14/07	Remove selector switches & label as disconnect	Remove switches/label	Y	Conti	Rick Vogel			
15	5/16/07	Cut floor grating & extend piping	N/A	Y	Conti	Rick Vogel			
16	5/22/07	Compressor system pressure regulator installed	N/A	Y	Armistead	Rick Vogel			
17	5/31/07	Filter drain line ORV valves	Remove ORV valves	Y	Armistead	Rick Vogel			
18	5/15/07	Lagoon pumps	N/A	Y	Perecca	Rick Vogel			
19	6/1/07	ARV drain lines	Pipe to floor	Y	Armislead	Rick Vogel			
20	5/31/07	Polymer mixer bracing	strengthen bracing	Y ·	Koester	Rick Vogel			
21	5/15/07	Finish water feed line control guage valve	N/A	Y	Armistead	Rick Vogel			
22	5/11/07	Re-install raw water feed line orifice plate	N/A	Y	Seimens	Rick Vogel			
23	5/15/07	Re-piped turbidimeter drain lines	N/A	Y	Armistead	Rick Vogel			
24	5/16/07	Install chemical feed check valves	N/A	Y	Armistead	Rick Vogel			
25	5/16/07	Replaced filter gate conduits	N/A	Y	Perecca	Rick Vogel			
26	7/2/07	Oxygenated water	Minimum bubbles - monitor	Y	USACE	Rick Vogel			
27	7/24/07	Filter tank grouting	Grout under filter tanks	Y	Conti	Rick Vogel			
28	5/31/07	Pre & post filter cl2 lines - contamination?	Install check valve	Y	USACE	Rick Vogel			
29	5/31/07	Hypochlorite pumps undersized?	RFI to USACE	Y	USACE	Rick Vogel			
30	5/15/07	Replaced cl2 analyzer chemicals with free residual	N/A	Y	Seimens	Rick Vogel			
31	5/28/07	Excessive air in turbidimeters	Install bubble trap	Y	Armistead	Rick Vogel			
32	5/31/07	Non-ionic polymer pumps undersized?	RFI to USACE	Y	USACE	Rick Vogel			
33	5/31/07	CL2 injector quill too small	replace with proper size	Y	Armistead	Rick Vogel			
35	5/31/07	Excessive heat in electrical room	RFI to USACE	Y	USACE	Rick Vogel			
35	5/31/07	Hook generator to dialer system	RFI to USACE	Y	Perecca	Rick Vogel			
36	5/17/07	Analyzer drain lines to floor - cut floor	N/A	Y	Conti	Rick Vogel			

Mohonk Road Industrial Plant Superfund Site

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37	5/31/07	Post filter turbidimeters	replace hard pipe with tubing	Y	Armistead	Rick Vogel
38	5/31/07	Raw water backflow preventer draines	Install drains	Y	Armistead	Rick Vogel
39	7/12/07	Shower shut off is not operational / caulk around shower	valve and caulking	Y	Armistead	Rick Vogel
40	5/22/07	Repair air dryer leak	N/A	Y	Armistead	Rick Vogel
41	7/18/07	Lagoon pump seals leaking	repair/replace seals	Y	Koester	Rick Vogel
42	7/12/07	Aqualogics - controls, start-up & training	perform	Y	Aqualogics	Rick Vogel
43	7/12/07	Seimens - start-up, training	perform	Y	Seimens	Rick Vogel

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Appendix K- Letter of Release of Liability for Bruceville Soil

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Notification of Completion

Date: January 14, 2008

From: Tom Bykow, Project Manager (Conti)

To: Sal Badalamenti, USEPA Andrew Smith, USACE Kevin Evans, Property Owner Dan Falk, Property Owner Carl Hornbeck, Superintendent of Highways, Town of Rosendale

CC: Frank Townsend, Project Manager (Conti)

Re: Materials located on Falk/Evans Property and Town of Rosendale

As mutually agreed the soils that have been placed on the Falk/Evans (FE) property on Bruceville Road in Rosendale, NY as a part of the Mohonk Road Industrial Plant Superfund Project (MRIP) shall remain in place and as is.

As discussed and agreed the following has taken place:

- Conti Environment & Infrastructure, Inc. (Conti) as directed by the USACE has removed approximately 3500 cubic yards of soils that had been stockpiled as previously agreed on the property during the construction phase of the MRIP Project.
- Beginning on November 8, 2007 this soil was removed from the rear of the property and place along side Bruceville Road as directed by Carl Hornbeck, Superintendent of the Town of Rosendale's Highway Department to provide additional shoulder width approximately 200' along the western side of Bruceville Road eastern intersection with Route 213.
- This soil was placed and spread out by Conti with a D39P Dozer. No additional slope stabilization was used and the soil was compacted only by the static ground pressure of the dozer.
- A 1.5 to 2 foot berm was further created along the roadside as directed by Mr. Hornbeck, town of Rosendale.
- Conti as agreed mutually by the USACE, USEPA, Town of Rosendale (Mr. Hornbeck) and property owners further shaped the soil berm that was deposited along the roadside and in front of the FE property with the same dozer, this berm is in the Township of Rosendale's right of way and the FE Property.
- Conti, at the request of the USACE and USEPA, further made improvement on the access road leading to the stockpile location on the FE property. Conti graded the existing road base to improve conditions of the access road.

At this time there remains approximately 2000 cubic yards of stockpiled soil and rock on the FE property. As agreed the following shall take place:

- The materials are now the property of the Town of Rosendale and its Highway Department
- The materials will be used around Rosendale to make further improvements along their roads
- The berm in front of the FE property will remain in place AS IS
- The task of moving and placing soil along Bruceville Road is complete to the satisfaction of Mr. Hornbeck

Conti, the USACE and the USEPA have no further obligation to the materials nor to the Town of Rosendale or the Falk / Evans Property. This task is considered complete and ownership of the materials is now considered the Town of Rosendale's Highway Department.

Conti Environment & Infrastructure, Inc.

One Cragwood Road, South Plainfield, NJ 07080 T: 908.791.4800 F: 908.561.0450 www.conticorp.com An Equal Opportunity Employer

* 39 64 5 SENDER: COMPLETE THIS SECTION COMPLETE THIS SECTION OWN DELIVERY 88 Complete Items 1, 2, and 3. Also complete item 4 If Restricted Delivery is desired. Postage & Fees A. Signature d Delivery Receipt Fee Int Recuired) Certified Fee Print your name and address on the reverse C Agent X Postage D Addroseee so that we can return the card to you. B. Received by (Printed Name) Attach this card to the back of the mallplece, O. Date of Delivery or on the front if space permits. 10 ŝ S Pres D. Is delivery address different from item #? 1. Article Addressed to: C Kea S if YES, enter delivery address below; 🖾 No ١ĸ 3. Service Type ghFalls, NY Certified Mail Express Mall Registered D Return Receipt for Merchandise Postma 🖾 insured Mail C.O.D. 4. Restricted Delivery? (Extra Fern) 🖾 Yes 2. Article Number 7006 2760 0004 6969 3050 (Transfer from service PS Form 3811, February 2004 Domestic Return Receipt 102595-02-M-1540 7006 2760 0004 6969 3074 SENDER: COMPLETE THIS SECTION COMPLETE THIS SECTION ON DELIVERY fotal Postage & Fees Complete items 1, 2, and 3. Also complete A. Signature etum Racelpl Fee sement Required) ament Required) Item 4 if Restricted Delivery is desired. 🖾 Agent Certified Fee Print your name and address on the reverse 🗀 Addressee so that we can return the card to you. Postage B. Received by (Printigd Name) C. Date of Delivery Attach this card to the back of the mallplece, or on the front if space permits. ORDAN 1161 ÷ D. Is delivery address different from Item 17 D Yes 1. Article Addressed to: If YES, enter delivery address below: TOWN OF ROSON Dalis ROSENDALE, NIYIJUN Ţ 3. Service Type Certified Mall Express Mail Registered Return Receipt for Merchandise Att: CARL HORNBOCK 🛛 Insured Mali C.O.D. 0 4. Restricted Delivery? (Extra Fee) 🛛 Yes 2. Article Number m 7006 2760 0004 6969 3074 (Transfer from se PS Form 3811, February 2004 **Domestic Return Receipt** 102505-02-M-1540 7006 2760 0004 6969 3067 SENDER: COMPLETE THIS SECTION or PO Box I COMPLETE THIS SECTION ON DELIVERY Ð Complete items 1, 2, and 3. Also complete tetum Receipt Fae usement Required) Postage & Fees 84 A. Signature item 4 if Restricted Delivery is desired. d Delivery Fee sent Required) Certified Fee Print'your name and address on the reverse Agentso that we can return the card to you. Addressee Postage B. Received by (Printed Name) Attach this card to the back of the mailpiece, C. Date of Delivery X. or on the front if space permits. T DAN FALK \$ D. Is delivery address different from item 1? Article Addressed to: T Yes if YES, enter delivery address below: ٤J Falls NY 12440 Ľ. 2 a 3. Service Type Certified Mall Express Mail Registered Return Receipt for Merchandise Insured Mail C.O.D. 4. Restricted Delivery? (Extra Fee) □ Yes 2. Article Number 7006 2760 0004 6969 3067 (Transfer from se PS Form 3811, February 2004 Domestic Return Receipt 102595-02-M-1540