

Bergen Point Wastewater Treatment Plant Final Effluent Pump Station Upgrade

Environmental Assessment

October 17, 2014

Project Name: Bergen Point Wastewater Treatment Plant Final Effluent Pump Station Upgrade

Project Location: 600 Bergen Avenue, West Babylon, New York 11704 - Southern portion of Bergen Point located along the Great South Bay

HTFC SHARS #: N/A

Federal Agency: US Department of Housing and Urban Development
Responsible Entity: New York State Homes and Community Renewal

Responsible Agency's Certifying Officer: Thomas J. King, Legal Counsel and Certifying Environmental Officer

Project Sponsor: Suffolk County Department of Public Works
Primary Contact: John Donovan, P.E
Suffolk County Department of Public Works
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Project NEPA Classification: 24 CFR 58.36 (Environmental Assessment)

Environmental Finding:	<input checked="" type="checkbox"/> Finding of No Significant Impact - The project will not result in a significant impact on the quality of the human environment.
	<input type="checkbox"/> Finding of Significant Impact - The project may significantly affect the quality of the human environment.
	The undersigned hereby certifies that New York State Homes and Community Renewal has conducted an environmental review of the project identified above and prepared the attached environmental review record in compliance with all applicable provisions of the National Environmental Policy Act of 1969, as amended (42 USC Sec. 4321 et seq.) and its implementing regulations at 24 CFR Part 58.
	 Thomas J. King

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PROJECT DESCRIPTION

Introduction

Suffolk County Department of Public Works is proposing the renovation and rehabilitation of the final effluent pump station for the Bergen Point Wastewater Treatment Plant (WWTP) located at 600 Bergen Avenue on Bergen Point along the Great South Bay in West Babylon, New York (see **Figure 1**).

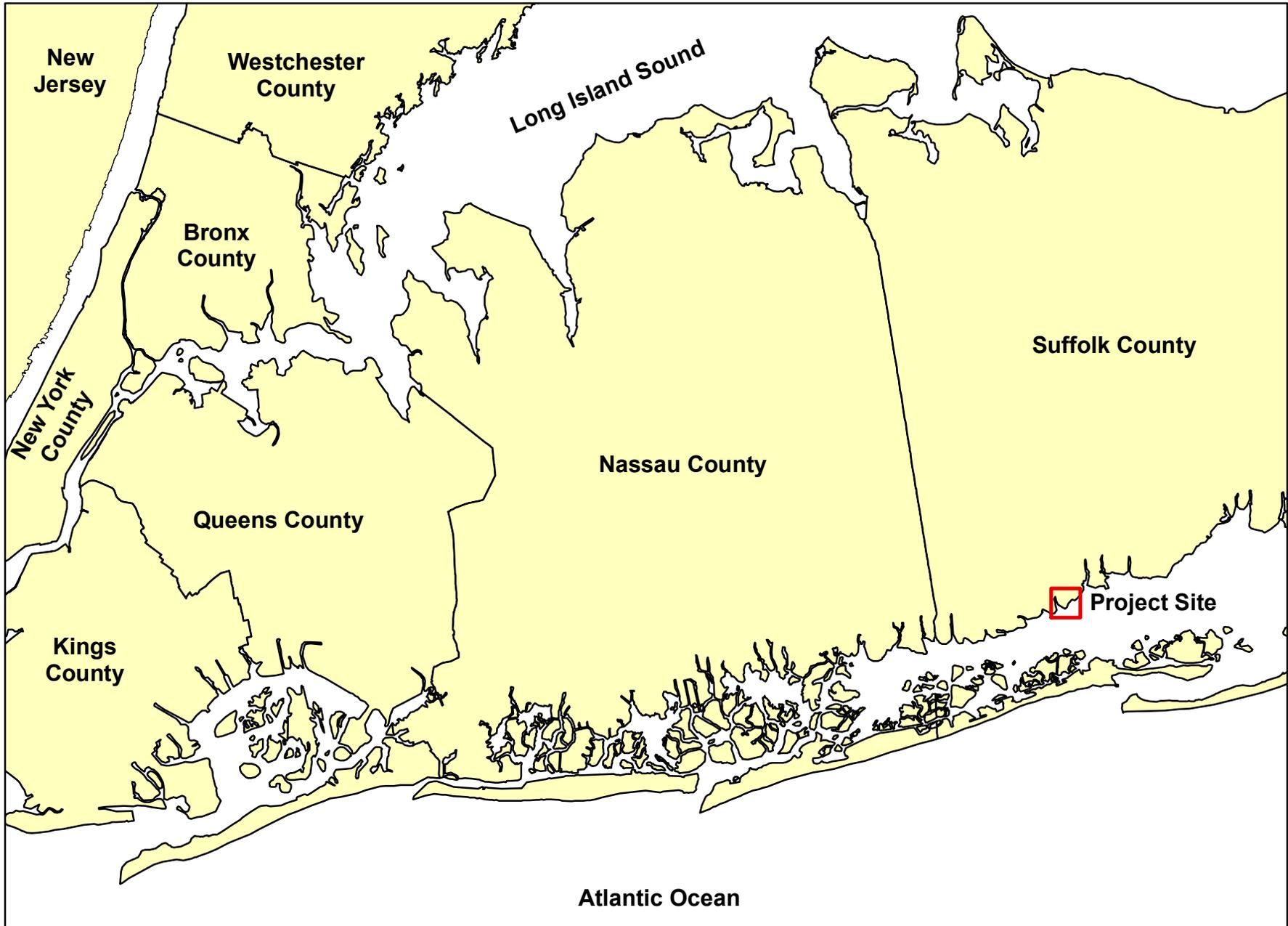
Improvements to be funded with up to \$15 million from the Clean Water Act State Revolving Fund (CWSRF) and the Community Development Block Grant – Disaster Recovery (CDBG-DR) program would include the replacement of three existing pumps and the installation of one new effluent pump (“proposed project”). The proposed project would reduce the risk of back-ups during severe storm and flood events and would facilitate future pump station maintenance while minimizing interference with the WWTP’s normal operations. The proposed project is expected to be completed by December 2016.

Background and Existing Conditions

Bergen Point WWTP was constructed in the 1970’s and became operational on October 6, 1981. It is Suffolk County’s largest WWTP, serving 80,000 households throughout two townships, and includes a pump and screen building, grit building, primary settling tanks, aeration tanks with blower building, clarifiers with pump building, UV-disinfection, final effluent pump building, and a sludge processing building including thickeners, belt presses, and two multiple hearth incinerators. The WWTP’s final effluent pump station currently has an average daily design flow of 30.5 million gallons a day (MGD) and a peak design flow of 90 million MGD. (See **Figure 2** for photos of existing conditions of final effluent pump station.)

Typically, when the pumps are required to operate, two pumping units are in operation thus providing a total pump flow capacity of 90 MGD with a third pumping unit acting as standby. This flow capacity has been exceeded in the past and the facility was close to being compromised during Superstorm Sandy. At that time, flow conditions were so extreme that if any of the three effluent pumps had failed, the pump station would not have been able to keep up with the flow, resulting in flooding of the WWTP and possible sewage backup in the collection system. See **Appendix B** for WWTP daily influent flow rate data from October 1, 2012 to November 12, 2012. Suffolk County Department of Public Works proposes to replace the existing three pumping units in addition to installing a fourth unit thereby enhancing the pump station’s capacity. The proposed project will enable the County to rehabilitate and upgrade the existing effluent pump station to accommodate increases in average daily design flow of the pump station from 30.5 MGD to 40.5 MGD, and increase its capacity to handle peak flows from 90 MGD to 120 MGD.

Directly to the north of the WWTP is the Bergen Point Golf Course. Bergen Point Golf Course is a par 71 public course that is part of the Suffolk County Parks System. Bordering the golf course to the east is the West Babylon Creek Inlet Marina. Across the West Babylon Creek Inlet, to the east of the project site, are single family residential buildings. Single family residential buildings are also located to the west of the project site, across Santapogue Creek.





Final Effluent Pump Station



Bergen Point Waste Water Treatment Plant



Bergen Point Wastewater Treatment Plant Effluent Pump Station Upgrade EA

Figure 2
Effluent Pump Station - Existing Conditions

It should be noted that the final effluent pump station is not located within the 100- or 500-year floodplain nor is it located within a tidal wetland boundary.

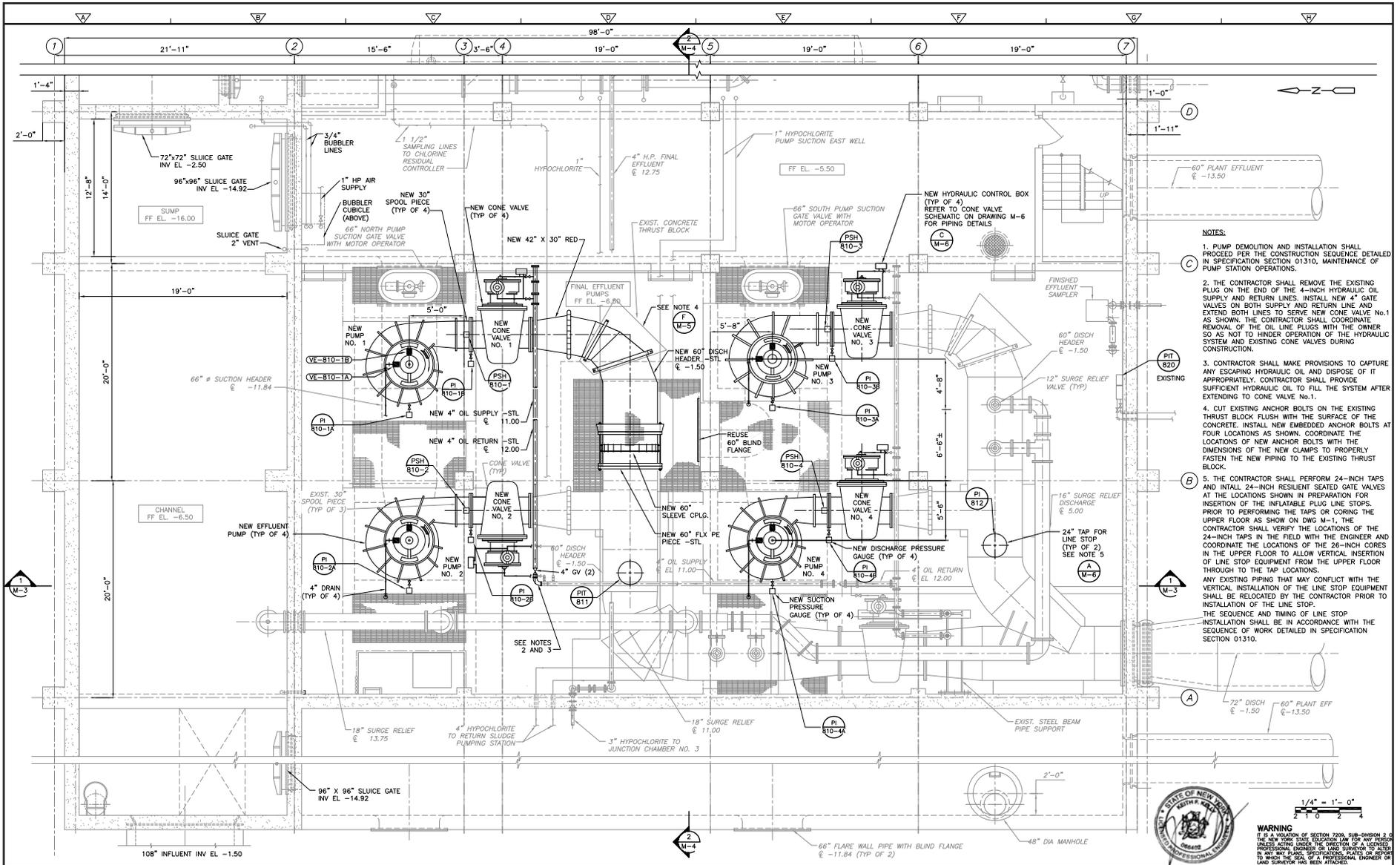
The Governor's Office of Storm Recovery (GOSR), operating under the auspices of New York State Homes and Community Renewal's Housing Trust Fund Corporation, is the responsible entity for the direct administration of the U.S. Department of Housing and Urban Development (HUD) CDBG-DR program. GOSR's decision whether to provide CDBG-DR funding for the proposed project is a discretionary action which requires review under the National Environmental Policy Act of 1969 (NEPA). This Environmental Assessment (EA) is being prepared pursuant to 24 CFR Part 58 to assist GOSR in its determination whether to grant CDBG-DR funding for the proposed project. GOSR has determined that the proposed project is a Type II action and therefore exempt from review under the State Environmental Quality Review Act.

Purpose and Need for the Proposed Project

The purpose of the proposed project is to improve the final pump station's operations to accommodate current flows while providing capacity to prevent back flows during critical storm events. The proposed project is designed to provide redundancy to a system that has been very close to exceeding its capacity during storm events. The redundancy, including the installation of an additional electric pump, would help protect the Great South Bay from sewage back-ups which may detrimentally affect the quality of the bay's waters, which are classified by the New York State Department of Environmental Conservation for shellfishing, primary contract recreation and fishing. The final effluent pump station is a critical component of the Bergen Point WWTP, which is over 30 years old, and the pumps, controls, and mechanical systems are nearing the end of their useful life. Replacement parts for major components have become difficult to procure, making maintenance or repair difficult to perform. Due to its age and limited capacity, the existing final effluent pump station could potentially fail if the pump equipment and controls are not replaced. The proposed project would reduce the risk of back-ups during severe storm and flood events and would facilitate future final effluent pump station maintenance while minimizing interference with the WWTP's normal operations. Suffolk County has identified upgrades to Bergen Point WWTP as a priority for addressing a decline in water quality as well as fortifying infrastructure against another potential storm similar to Superstorm Sandy.

Proposed Project

The proposed project entails the installation of one new electric-powered 40 MGD effluent pump; the replacement of three existing 45 MGD electric pumps with new 40 MGD pumps; and the replacement of existing valves and discharge and suction piping (see **Figure 3** for proposed plan). The proposed project would be carried out within the building that houses the existing final effluent pump station structure. The final effluent pump station is currently designed for an average daily design flow of 30.5 MGD; this is being increased to 40.5 MGD, and its peak flow capacity increased from 90 MGD to 120 MGD. See **Table 1**.



- NOTES:**
1. PUMP DEMOLITION AND INSTALLATION SHALL PROCEED PER THE CONSTRUCTION SEQUENCE DETAILED IN SPECIFICATION SECTION 01310, MAINTENANCE OF PUMP STATION OPERATIONS.
 2. THE CONTRACTOR SHALL REMOVE THE EXISTING PLUG ON THE END OF THE 4-INCH HYDRAULIC OIL SUPPLY AND RETURN LINES. INSTALL NEW 4" GATE VALVES ON BOTH SUPPLY AND RETURN LINE AND EXTEND BOTH LINES TO SERVE NEW CONE VALVE No.1 AS SHOWN. THE CONTRACTOR SHALL COORDINATE REMOVAL OF THE OIL LINE PLUGS WITH THE OWNER SO AS NOT TO HINDER OPERATION OF THE HYDRAULIC SYSTEM AND EXISTING CONE VALVES DURING CONSTRUCTION.
 3. CONTRACTOR SHALL MAKE PROVISIONS TO CAPTURE ANY ESCAPING HYDRAULIC OIL AND DISPOSE OF IT APPROPRIATELY. CONTRACTOR SHALL PROVIDE SUFFICIENT HYDRAULIC OIL TO FILL THE SYSTEM AFTER EXTENDING TO CONE VALVE No.1.
 4. CUT EXISTING ANCHOR BOLTS ON THE EXISTING THRUST BLOCK FLUSH WITH THE SURFACE OF THE CONCRETE. INSTALL NEW EMBEDDED ANCHOR BOLTS AT FOUR LOCATIONS AS SHOWN. COORDINATE THE LOCATIONS OF NEW ANCHOR BOLTS WITH THE DIMENSIONS OF THE NEW CLAMPS TO PROPERLY FASTEN THE NEW PIPING TO THE EXISTING THRUST BLOCK.
 5. THE CONTRACTOR SHALL PERFORM 24-INCH TAPS AND INSTALL 24-INCH RESILIENT SEATED GATE VALVES AT THE LOCATIONS SHOWN IN PREPARATION FOR INSERTION OF THE INFLATABLE PLUG LINE STOPS. PRIOR TO PERFORMING THE TAPS OR CORING THE UPPER FLOOR AS SHOWN ON DWG M-1, THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF THE 24-INCH TAPS IN THE FIELD WITH THE ENGINEER AND COORDINATE THE LOCATIONS OF THE 24-INCH CORES IN THE UPPER FLOOR TO ALLOW VERTICAL INSERTION OF LINE STOP EQUIPMENT FROM THE UPPER FLOOR THROUGH TO THE TAP LOCATIONS. ANY EXISTING PIPING THAT MAY CONFLICT WITH THE VERTICAL INSTALLATION OF THE LINE STOP EQUIPMENT SHALL BE RELOCATED BY THE CONTRACTOR PRIOR TO INSTALLATION OF THE LINE STOP. THE SEQUENCE AND TIMING OF LINE STOP INSTALLATION SHALL BE IN ACCORDANCE WITH THE SEQUENCE OF WORK DETAILED IN SPECIFICATION SECTION 01310.

For Illustrative Purposes Only
 Source: CDM

Table 1: Existing and Proposed Final Effluent Pump Station Flows

	Average Daily	Minimum	Peak
Existing Design, MGD	30.5	18	90
Current Flow, MGD	25.6	18	110
Upgraded Design, MGD	40.5	20	120

MGD = Million Gallons a Day

Related Projects

The Suffolk County Department of Public Works is separately undertaking upgrades at other locations throughout the 50-acre plant site to harden the facility's electrical and emergency generation systems. In addition to the rehabilitation of the final effluent pump station, the two other main projects include the expansion of the WWTP's capacity from 30.5 MGD to 40.5 MGD and the replacement of the existing outfall. The \$15 million in CDBG-DR program funds requested for the proposed project would not be used for the replacement of the outfall or other upgrades. Should additional CDBG-DR funds be requested to support any of these other upgrades, GOSR would complete an appropriate environmental review of such projects under NEPA. Although it is likely that all three projects may be under construction at the same time; with the expansion under construction, the rehabilitation of the final effluent pump station in receipt of bids, and the outfall to be bid during 2015, each project could be constructed regardless of the other two.

The existing facilities were constructed anticipating that the district boundaries would be expanded at some time in the future. Even though the current average daily flow is 30.5 MGD, the influent sewers, the influent pumping station, the final effluent pump station, and the outfall all have the capacity to convey an average daily flow of 60 MGD. During storm flows and surges, actual flows have been measured above 113 MGD. As the influent levels rise, the influent pumping system is capable of conveying that rate through the treatment process to the final effluent pump station. However, the final effluent pumping station, which was constructed over 30 years ago, is capable of conveying 113 MGD only if all three 45 MGD pumps are operating simultaneously. Under those conditions, a pump failure would result in no redundancy and a capacity of less than 90 MGD, with any excess flow overflowing the treatment structures leading to the Great South Bay or backing up into the upstream system with potential backups into homes. As a result, the final effluent pump station must be rehabilitated to provide a firm capacity of 120 MGD with redundancy regardless of any of the other proposed upgrades.

Based on the discussion above, the final effluent pump station is a distinct and stand-alone project that is functionally independent of other upgrades that are either under construction or may be constructed in the near future. While the proposed project and future projects contain complimentary elements, the need to upgrade the final effluent pump station exists independently of these related projects, and the proposed project would not be determinative of other upgrades. Increasing the capacity of the final effluent pump station is not expected to result in any indirect or secondary impacts in terms of new development or new demands on natural resources. Rather, the proposed project is designed to handle waste water flows from existing development within the WWTP's established service area, while enhancing operational resiliency during storm events. As a result, the cumulative impacts of the proposed project

together with the related projects are expected to be minimal in view of their timing and location.

Construction Phasing

Rehabilitation of the final effluent pump station will be staged to maintain the final effluent pump station's operation during construction. During each stage of the rehabilitation, the discharges leaving the pump station building would remain unchanged and would comply with the facility's State Pollution Discharge Elimination System (SPDES) permit. Initially, existing pumps No. 3 and 4 would remain in operation, pumping through the existing 72-inch outfall while new pump No. 1 and replacement pump No. 2 are installed, and new suction and discharge piping and valves are constructed. Once new pumps No. 1 and 2 are operational, the replacement of pumps No. 3 and 4 would occur, including new suction and discharge piping and valving. When all four new pumps are in place, the rehabilitated pump station would operate under this condition until a new outfall tunnel can be completed.

The pump station layout would remain the same for the suction and discharge piping on either side of the pumps as shown in Figure 3. The new pumps would be installed at the existing pump locations within the existing building and no in-ground disturbance would occur as a result of the proposed project. All work associated with the proposed project would be limited to the building structure of the existing final effluent pump station.

Environmental Assessment Checklist

[Environmental Review Guide HUD CPD 782, 24 CFR 58.40; Ref. 40 CFR 1508.8 & 1508.27]

Evaluate the significance of the effects of the proposal on the character, features and resources of the project area. Enter relevant base data and verifiable source documentation to support the finding. Then enter the appropriate impact code from the following list to make a finding of impact. **Impact Codes:** (1) - No impact anticipated; (2) - Potentially beneficial; (3) - Potentially adverse; (4) - Requires mitigation; (5) - Requires project modification. Note names, dates of contact, telephone numbers and page references. Attach additional materials as needed.

Land Development	Code	Source or Documentation
Conformance with Comprehensive Plans and Zoning	1	The proposed project involves the rehabilitation and upgrade to the existing final effluent pump station at the Bergen Point WWTP and would not result in changes to land use.
Compatibility and Urban Impact	1	The proposed project would be compatible with existing land use on the project site since it would involve the rehabilitation and upgrade of the existing final effluent pump station at the Bergen Point WWTP.
Slope	1	There would be no change in slope to the project site or surrounding area due to the proposed project. No impacts would result.
Erosion	1	There would be no erosion caused by the proposed project. All construction activities would occur within the building structure of the existing final effluent pump station. No impacts anticipated with erosion would occur.
Soil Suitability	1	The proposed project would not result in any in-ground disturbance. As such, the suitability of the soil is not relevant to the proposed project.
Hazards and Nuisances including Site Safety	1	The proposed project would not result in hazards and nuisances. The construction effects associated with the project would occur entirely within the existing final effluent pump station building. No impacts would result.
Energy Consumption	1	The proposed project would not significantly increase energy generation or distribution and would meet New York State energy requirements. The proposed project would connect to existing energy utilities serving the area. No impacts would result.
Noise - Contribution to Community Noise Levels	1	The proposed project would not result in any activities that would generate additional noise on the project site. The proposed project involves the rehabilitation and upgrade to the existing final effluent pump system at the Bergen Point WWTP. No impacts to noise would result.
Air Quality Effects of Ambient Air Quality on Project and Contribution to Community Pollution Levels	1	The proposed project would not generate any new stationary or mobile sources of air pollutants and therefore has no potential to affect air quality.
Environmental Design Visual Quality - Coherence, Diversity, Compatible Use and Scale	1	The proposed project would result in the rehabilitation and upgrade to the existing final effluent pump station at the Bergen Point WWTP. The project site is already used for WWTP purposes, and therefore the proposed project is not expected to induce any subsequent growth. As shown in Appendix A, SHPO has concurred that the project would have no effects on cultural resources.
Socioeconomic		Source or Documentation
Demographic Character Changes	1	The proposed project is being undertaken to upgrade aging equipment with new equipment with sufficient capacity to handle current flows and peak flows during storm events, while reducing the risk of system back ups. The project is not expected to induce any change in the demographic character of the WWTP's service area

Displacement	1	The actions comprising the proposed project are limited to the rehabilitation and upgrade of the existing final effluent pump station and have no potential to displace individuals or families; destroy jobs, local businesses, or community facilities; or disproportionately affect particular populations.
Employment and Income Patterns	1	The actions comprising the proposed project are limited to the rehabilitation and upgrade of the existing final effluent pump station and have no potential to affect employment opportunities or income patterns.

Community Facilities and Services

	Code	Source or Documentation
Educational Facilities	1	The proposed project would not introduce any new populations that would increase the student population of the area. As a result, the proposed project has no potential to affect educational facilities.
Commercial Facilities	1	The proposed project is limited to the rehabilitation and upgrade of the existing final effluent pump station and would not introduce any new development that would require retail services or other commercial facilities.
Health Care	1	The proposed project is limited to the rehabilitation and upgrade of the existing final effluent pump station at the Bergen Point WWTP and would not introduce any new development that would require the availability of routine or emergency health services.
Social Services	1	The proposed project would not significantly impact social services. Social services are provided by a range of non-profit and government agencies.
Solid Waste	1	The proposed project is limited to the rehabilitation and upgrade of the existing final effluent pump station and would not introduce any new development that would generate solid waste.
Waste Water	2	The proposed project is limited to the rehabilitation and upgrade of the existing final effluent pump station and would not introduce any new development that would generate any waste water. The project would enhance the facility's ability to safely discharge existing flows of treated waste water during severe weather events.
Storm Water	1	The proposed project is limited to the rehabilitation and upgrade of the existing final effluent pump station and would not adversely affect storm water runoff.

Water Supply	1	The proposed project is limited to the rehabilitation and upgrade of the existing final effluent pump station and would not introduce any new development that would generate demand for water.
Public Safety - Police	1	The proposed project is limited to the rehabilitation and upgrade of the existing final effluent pump station and would not introduce any new development that would generate demand for police services.
- Fire	1	The proposed project is limited to the rehabilitation and upgrade of the existing final effluent pump station and would not introduce any new development that would generate demand for fire services.
- Emergency Medical	1	The proposed project is limited to the rehabilitation and upgrade of the existing final effluent pump station and would not introduce any new development that would generate demand for emergency medical services.
Open Space and Recreation - Open Space	1	The proposed project is limited to the rehabilitation and upgrade of the existing final effluent pump station and would not introduce any new development that would generate demand for open space resources.

- Recreation	1	The proposed project is limited to the rehabilitation and upgrade of the existing final effluent pump station and would not introduce any new development that would generate demand for recreational resources.
- Cultural Facilities	1	The proposed project would not adversely impact cultural facilities. As documented in Appendix A, SHPO has concurred that the proposed project would have no effect on eligible resources.
Transportation	1	The proposed project would not introduce any new development that would require new or improved transportation connections and would not add any new demand on transportation services.

Natural Features

Source or Documentation

Water Resources	1	The proposed project would not introduce any new development and therefore would not generate any demand for groundwater as water supply nor would the project introduce new septic systems that may affect groundwater in the area.
Surface Water	2	As the proposed project involves the rehabilitation and upgrade of the existing final effluent pump station at the Bergen Point WWTP, no new development would occur that would have a significant effect on water resources, including groundwater and/or surface water. It should be noted that the proposed project may be beneficial to surface water as the upgrade and rehabilitation to the existing final effluent pump station would decrease the chance of the pump system failing. If the pump system should fail, there would not be enough pressure to force the effluent out to the Atlantic Ocean. This could result in flooding at the plant and backups in the sewer system.
Unique Natural Features and Agricultural Lands	1	There are no unique natural features or agricultural lands near the project site. Therefore, the proposed project would have no impact.
Vegetation and Wildlife	1	The proposed project would result in the rehabilitation and upgrade of the existing final effluent pump station at the Bergen Point WWTP. Therefore, the proposed project would not result in any adverse impacts to vegetation or wildlife.

NOTE: The Responsible Entity must additionally document compliance with 24 CFR §58.6 in the ERR, particularly with the Flood Insurance requirements of the Flood Disaster Protection Act and the Buyer Disclosure requirements of the HUD Airport Runway Clear Zone/Clear Zone regulation at 24 CFR 51 Subpart D.

Statutory Checklist

[24CFR §58.5]

DIRECTIONS - Once the review process for each compliance factor has been completed, the Statutory Checklist must then be filled out. Specifically, the RE must indicate whether the activity does or does not affect the resources under consideration. Consult the guidance provided in the table below or the web sites. Indicate Status "A" on the worksheet if the project does not require formal consultation with an outside agency and does not affect the resource in question. Document the determination made and the sources of information were used—information sources are provided in the guidance. If the activity triggers formal compliance consultation with the oversight agency or affects the resource, indicate Status as "B". Any compliance documentation should also be attached to the Checklist and included in the ERR.

Factors

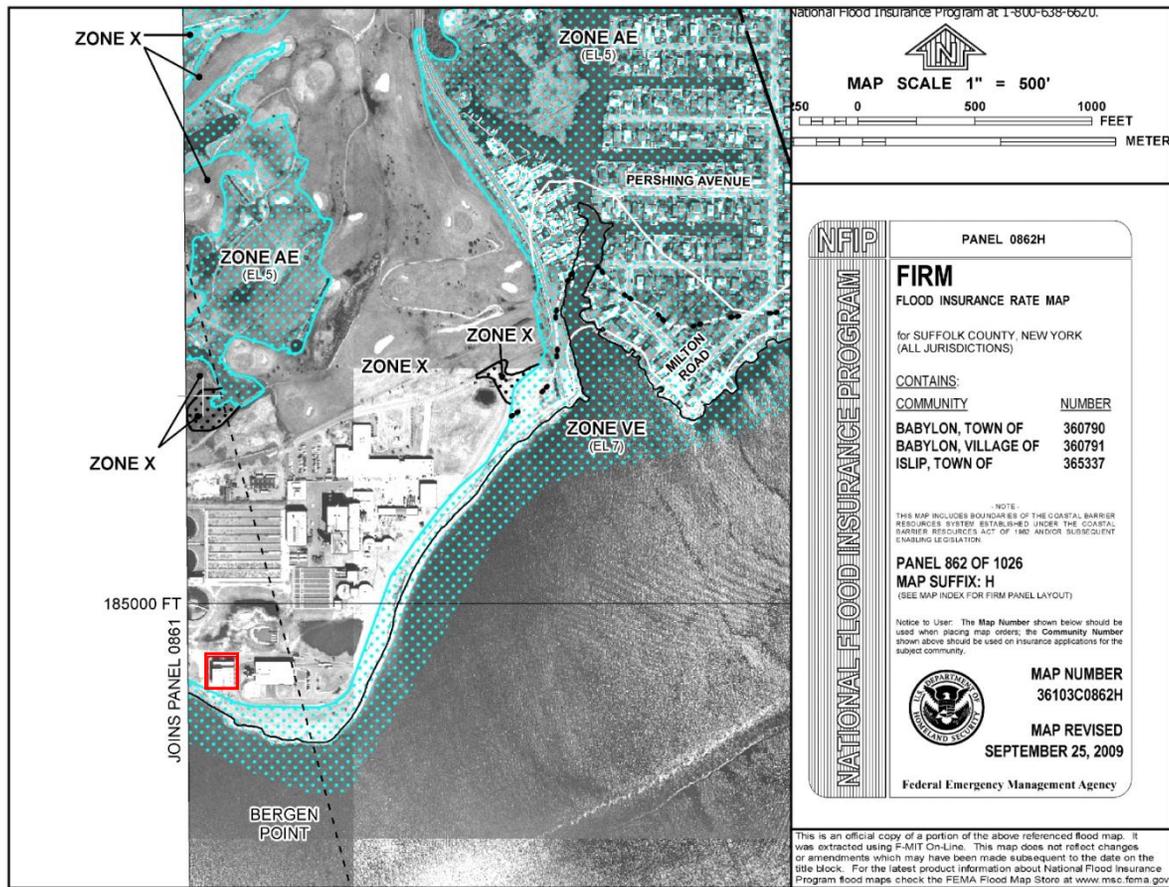
Status A/B

Determinations and Compliance Documentation

Historic Preservation [36 CFR 800]	A	The proposed project involves the rehabilitation and upgrade of the existing final effluent pump station at the Bergen Point WWTP. All rehabilitation and construction activities would occur within the existing building structure. The New York State Office of Parks, Recreation, and Historic Preservation (OPRHP) was consulted. Based on the attached letter dated January 21, 2014, GOSR has been determined that the proposed project has no potential to affect cultural resources, including resources listed on (or eligible for listing on) the National Register of Historic Places.
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		(See Appendix A for correspondence)
Floodplain Management [24 CFR 55, Executive Order 11988]	A	The project site is not located within a Special Flood Hazard Area, and is outside both the 100-year and the 500-year floodplain. Therefore, the proposed project would not have any impact to floodplain management. See attached FEMA floodplain map (panel #36103C0862H) (See Figure 4 – FEMA Floodplain Map).
Wetlands Protection [Executive Order 11990]	A	The project site is not located in nor does it encroach upon any federal wetlands. Therefore, the proposed project would not violate Executive Order 11990 (See Figure 5 – USFWS wetlands map).
Coastal Zone Management Act [Sections 307(c),(d)]	A	The project site is located within the boundaries of the New York State Coastal Zone. The proposed project is considered a Type II Action under SEQRA (6 NYCRR §617.5 (c)), and therefore exempt from State coastal consistency review. Nevertheless, the New York State Department of State has concurred that the proposed project would not adversely affect the State’s coastal resources (See Appendix A for correspondence)
Sole Source Aquifers [40 CFR 149]	A	The project site is located over the Nassau-Suffolk Sole Source Aquifer. The impervious area of the project site would not change because the proposed project is being undertaken entirely within the existing final effluent pump station building. The proposed project is designed to handle waste water flows from existing development within the WWTP’s established service area, while enhancing operational resiliency during storm events, and is not expected to result in any indirect or secondary impacts in terms of new development or new demands the sole source aquifer. The proposed rehabilitation and upgrade of the final effluent pump station would not impact the supply or quality of water in the aquifer, nor would it have the potential to introduce contaminants into the aquifer.
Endangered Species Act [50 CFR 402]	A	The project site is located within the Bergen Point WWTP. The proposed project would involve the rehabilitation and upgrade of the existing final effluent pump station and all construction activities would occur within the existing building structure. No in-ground or exterior construction would occur. As a result the proposed project would have no potential to affect endangered or threatened species protected by the Act.
Wild and Scenic Rivers Act [Sections 7 (b), (c)]	A	There are four designated recreational rivers within Suffolk County; however, they are not located within the vicinity of the project site. (http://www.dec.ny.gov/permits/32739.html) Therefore, the proposed project would not violate the Wild and Scenic Rivers Act.
Air Quality [Clean Air Act, Sections 176 (c) and (d), and 40 CFR 6, 51, 93]	A	Construction of the project would not generate significant levels of vehicular traffic; therefore, no exceedances of the National Ambient Air Quality Standard (NAAQS) associated with carbon monoxide (CO) or particulate matter (PM) would occur. Operation of the proposed project would not result in any major new stationary source of air pollutants. The WWTP, including the proposed project, would operate in accordance with the plant’s existing Clean Air Act Title V Facility permit. The project would not adversely affect the State Implementation Plan (SIP). No significant impacts on air quality would occur.

Farmland Protection Policy Act [7 CFR 658]	A	The proposed project would not cause disturbance of Prime, Unique, or Statewide Important Farmland and would not involve the conversion of farmland to non-agricultural use. Therefore, the proposed project would not violate the Farmland Protection Policy Act.
Environmental Justice [Executive Order 12898]	A	The project site is not located in or adjacent to potential environmental justice areas identified by the New York State Department of Environmental Conservation. See Figure 6 . The proposed project is located within the existing final pump station building structure, and within the larger 50-acre WWTP site and would have no significant adverse environmental impact on the surrounding community.

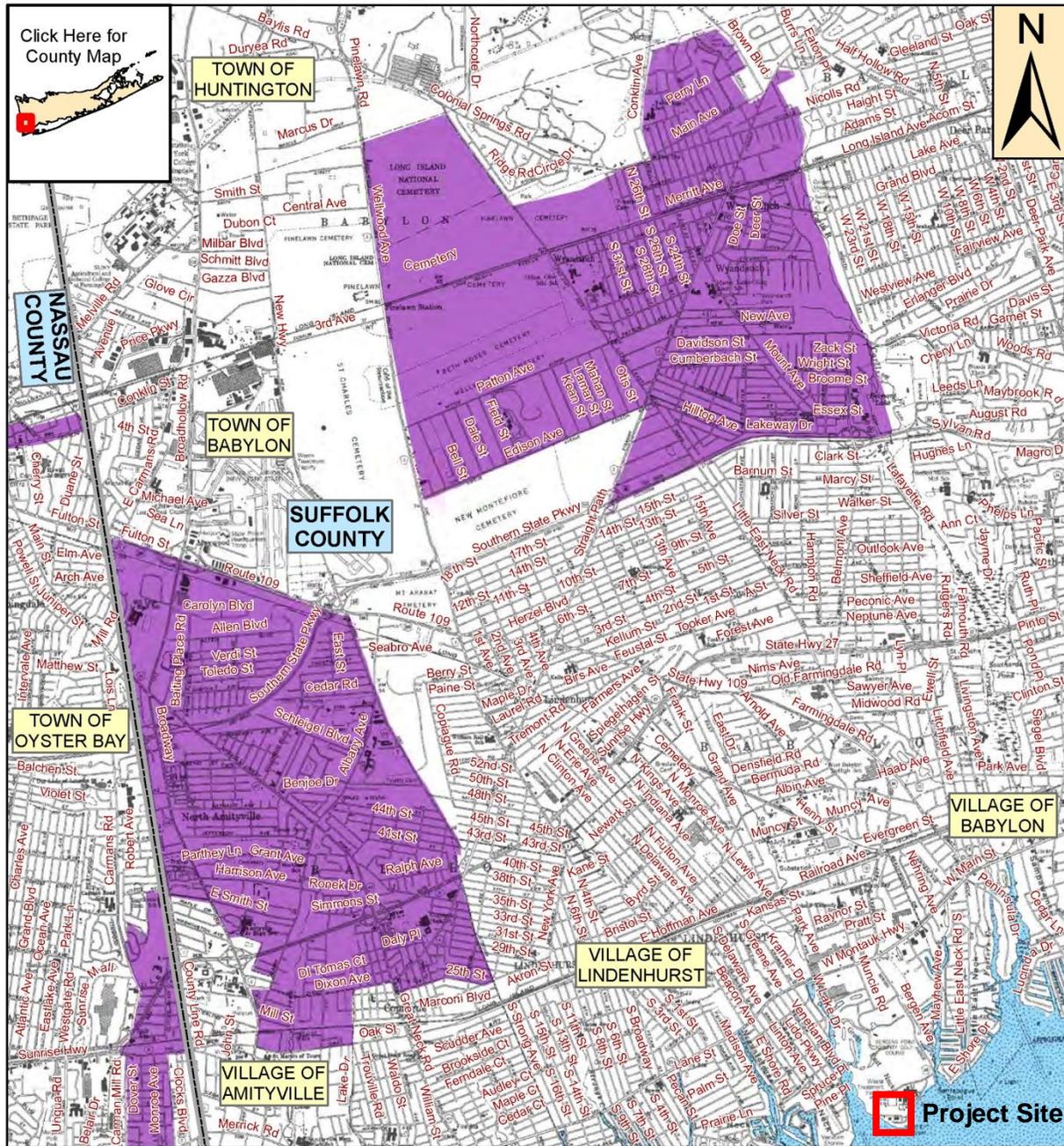


 Final Effluent Pump Station



 Final Effluent Pump Station

Potential Environmental Justice Areas in the Town of Babylon, Suffolk County, New York



Click Here for County Map

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Neither EPA nor NYSDEC guarantee the accuracy, completeness, or timeliness of the information shown and shall not be liable for any loss or injury resulting from reliance.

Data Source for Potential Environmental Justice Areas: U.S. Census Bureau, 2000 U.S. Census

- Legend**
- Potential EJ Area
 - County Boundary
 - Waterways

Miles
0 0.2 0.4 0.6 0.8 1

SCALE: 1:50,000

For questions about this map contact:
New York State Department of Environmental Conservation
Office of Environmental Justice
625 Broadway, 14th Floor
Albany, New York 12233-1500
(518) 402-8650
e@qwr.dec.state.ny.us



Noise Abatement and Control [24 CFR 51 B]	A	The proposed project involves the rehabilitation and upgrade of the existing final effluent pump station at the Bergen Point WWTP. The proposed project would not result in a new facility that would generate noise on the project site, nor would it introduce any new or rehabilitate any existing noise sensitive uses. Therefore, no significant noise impacts would occur as a result of the proposed project.
Toxic or Hazardous Substances and Radioactive Materials [HUD Notice 79-33]	A	The proposed action involves the rehabilitation and upgrade of the Bergen Point WWTP final effluent pump station. Construction activities would occur within the building structure of the existing final effluent pump station building and no in-ground disturbance is required. As such, the proposed project would not result in any significant adverse impacts related to toxic, hazardous, or radioactive materials.
Siting of HUD-Assisted Projects near Hazardous Operations [24 CFR 51 C]	A	This criterion is applicable to HUD-assisted projects that involve new residential construction, conversion of non- residential buildings to residential use, rehabilitation of residential properties that increase the number of units, or restoration of abandoned properties to habitable condition. As the proposed project is limited to rehabilitation of an existing final effluent pump station at a WWTP, the criterion does not apply.
Airport Clear Zones and Accident Potential Zones [24 CFR 51 D]	A	There are no military airports within 1 mile of the project site and is not within 2,500 feet of any civil airport(s). No impacts would result.

Summary of Findings and Conclusions

The rehabilitation and upgrade of the existing final effluent pump station at the Bergen Point WWTP would enable the project sponsor to upgrade its aging final effluent pump to reliably handle existing waste water while meeting peak flow demands and preventing sewage backups during severe weather events similar to Superstorm Sandy. As shown above in the Environmental Assessment Checklist, no significant land development, neighborhood, socioeconomic, natural resources, community facility or other direct, indirect or cumulative impacts would result from the proposed project. As shown in the accompanying Statutory Checklists, the proposed project would comply with all relevant regulations listed in 24 CFR subparts 58.5 and 58.6.

ALTERNATIVES TO THE PROPOSED ACTION

Alternatives and Project Modifications Considered [24 CFR 58.40(e),

The approach for the rehabilitation and upgrade of the existing final effluent pump station at the Bergen Point WWTP included consideration of several alternatives for rehabilitation and replacement, including two rehabilitation and upgrade alternatives, not including the preferred alternative described above.

Final Effluent Pump Station Rehabilitation and Upgrade Alternatives

Upgrade three existing pumps; no installation of fourth pump

Like the preferred alternative described above, this alternative would upgrade the three existing final effluent pumps; however, a new fourth pump would not be installed. The alternative

would reduce the overall cost of the project; however, it would not provide the redundancy necessary to pump the required 120 MGD. The potential consequences of this alternative would be back-ups during severe storm and flood events.

Utilize four smaller pumps

Like the preferred alternative, this alternative would upgrade the existing three pumps and include the installation of a fourth pump; however, the four pumps would be smaller than what is proposed under the preferred alternative. This alternative would reduce the overall cost of the project; however, it would not provide the redundancy necessary to pump the required 120 MGD. The potential consequences of this alternative would be back-ups during severe storm and flood events.

No Action Alternative [24 CFR 58.40(e)]

(Discuss the benefits and adverse impacts to the human environment of not implementing the preferred alternative).

Without the proposed project, the project site would remain in its current condition, utilizing three outdated pumps. Under No-Action conditions, the installation of the fourth pump and the upgrade to the existing three pumps would not occur. Under the No-Action condition, based on the age of the system and current capacity, there would be a greater chance for the pump system to fail during a storm event. If the pump system should fail, there would not be enough pressure to force the effluent out to the Atlantic Ocean, potentially causing system back-ups.

Mitigation Measures Recommended [24 CFR 58.40(d), 40 CFR 1508.20]

(Recommend feasible ways in which the proposal or external factors relating to the proposal should be modified in order to eliminate or minimize adverse environmental impacts.)

As discussed above, the proposed project would not result in any environmental impacts requiring mitigation. As such, no mitigation measures are recommended.

Additional Studies Performed

(Attach studies or summaries including Phase I, EAS, and Noise Studies)

N/A

List of Sources, Agencies and Persons Consulted [40 CFR 1508.9(b)]

- New York State Historic Preservation Office
Letter dated January 21, 2014 to Ben Wright, Suffolk County
- New York State Department of Environmental Conservation Floodplain Management
Coordinator – Region 1
Electronic communication dated September 11, 2014, to PHA
- New York State Department of Environmental Conservation - Bureau of Habitat - Marine
Habitat Protection
Electronic communication dated September 15, 2014, to PHA
- National Wild and Scenic Rivers – New York
<http://www.dec.ny.gov/permits/32739.html>
Last accessed September 22, 2014
- FEMA – Map Service Center
<https://msc.fema.gov/portal>
Last accessed September 22, 2014
- United States Fish and Wildlife Service – Wetland Mapper
<http://www.fws.gov/wetlands/Data/Mapper.html>
Last accessed on September 22, 2014
- New York State Department of State, Office of Planning & Development
Letter dated September 26, 2014 to Thomas King, GOSR
- New York State Department of State, Office of Planning & Development
NYS Coastal Zone Boundary
http://appext20.dos.ny.gov/coastal_map_public/map.aspx
Last accessed September 22, 2014
- New York State Department of Environmental Conservation – Sole Source Aquifer
<http://www.epa.gov/region2/water/aquifer/>
Last accessed September 23, 2014

Other Requirements (Section 58.6) Checklist

PROJECT NAME Bergen Point WWTP Final Effluent Pump Station Upgrade

In addition to the duties under the laws and authorities specified in 58.5 for assumption by Responsible Entities (RE's) under the laws cited in 58.1(b), RE's must comply with the following requirements. Applicability of the following requirements does not trigger the certification and release of funds procedure under this Part or preclude exemption of an activity under 58.34 (a) (12) and/or the applicability of 58.35(b). However, the RE remains responsible for addressing the following requirements in its ERR and meeting these requirements, where applicable, regardless of whether the activity is exempt under 58.34 or Categorically Excluded under 58.35 (a) or (b).

(a) Federal Flood Insurance Purchase Requirements (do not apply to funds from Federal formula grants made to a State).

(1) Does the project involve acquisition or construction (including rehabilitation) in a community identified by the Federal Emergency Management Agency (FEMA) as having special flood hazard areas (100 year and 500 year floodplains)? Yes ___ No X

If "Yes," go to (a) (2). If "No," go to Question (b).

(2) Is the project located in 100 year flood plain (500 year floodplain for "critical" actions*)? Yes ___ No ___ If "Yes," go to (a) (3). If "No," go to Question (b).

(3) Is the community in which the project is located () participating in the National Flood Insurance Program or, () has less than a year passed since FEMA notified the community concerning such hazards. (Please check one of the above depending on the situation) Yes ___ No ___. If "Yes," attach a statement concerning how you will assure that flood insurance will be maintained in accordance with the "Flood Insurance Protection" guidance sheet attached to this Checklist and go to Question (b). The implementation of this project consistent with your statement must be made a condition on the environmental findings and recommendations for the project. If "No," project cannot be funded.

*As defined in the U.S. Water Resources Council's Floodplain Management Guidelines for Implementing Executive Order 11988.

(b) Coastal Barriers Resources

Is the project to be undertaken located in the coastal Barrier Resources System, as amended by the Coastal Barrier Improvement Act of 1990 (16 U.S.C. 3501)?

Yes ___ No X. If "Yes," Federal financial assistance may not be provided. If "No," then go to Question (c).

(c) Projects located in Close Proximity to Airports Contained on the HUD list of 24 CFR Part 51D Covered Airports.

Does the project involve assistance, subsidy, or insurance for the purchase or sale of an existing property in a Runway Clear Zone or Clear Zone as defined in 24 CFR Part 51D? Yes ___ No X. If "Yes," the buyer must be advised that the property is in a runway Clear Zone or Clear Zone, what the implications of such a location are, and then there is a possibility that the property may, at a later date, be acquired by the airport operator. The buyer must sign a statement acknowledging receipt of this information. The implementation of this requirement must be made a condition in the environmental review findings and recommendations for this project.

Prepared by: Christina Michaelian Title: Planner, PHA

Date: October 17, 2014

APPENDIX A
AGENCY CORESPONDENCE



**New York State Office of Parks,
Recreation and Historic Preservation**

Division for Historic Preservation
P.O. Box 189, Waterford, New York 12188-0189
518-237-8643

Andrew M. Cuomo
Governor

Rose Harvey
Commissioner

January 21, 2014

Ben Wright
Suffolk County
335 Yaphank Avenue
Yaphank, New York 11980

Re: SEQRA
Bergen Point Wasterwater Treatment Plant Site
Bergen Point/BABYLON, Suffolk County
13PR04438

Dear Mr. Wright:

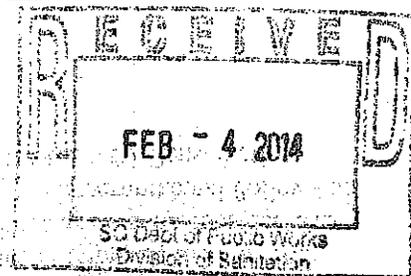
Thank you for requesting the comments of the State Historic Preservation Office (SHPO). We have reviewed the project in accordance with Section 106 of the National Historic Preservation Act of 1966. These comments are those of the SHPO and relate only to Historic/Cultural resources. They do not include potential environmental impacts to New York State Parkland that may be involved in or near your project. Such impacts must be considered as part of the environmental review of the project pursuant to the National Environmental Policy Act and/or the State Environmental Quality Review Act (New York Environmental Conservation Law Article 8).

Based upon this review, it is the SHPO's opinion that your project will have No Effect upon cultural resources in or eligible for inclusion in the National Registers of Historic Places.

If further correspondence is required regarding this project, please be sure to refer to the OPRHP Project Review (PR) number noted above.

Sincerely,

Ruth L. Pierpont
Deputy Commissioner for Historic Preservation





STATE OF NEW YORK
DEPARTMENT OF STATE
ONE COMMERCE PLAZA
99 WASHINGTON AVENUE
ALBANY, NY 12231-0001

ANDREW M. CUOMO
GOVERNOR

CESAR A. PERALES
SECRETARY OF STATE

September 26, 2014

Mr. Thomas King
Legal Counsel & Certifying Environmental Officer
NYS Governor's Office of Storm Recovery
99 Washington Avenue, Suite 1010
Albany, New York 12231

Re: F-2014-0638(FA)
Suffolk County DPW
Bergen Point Effluent Pump Replacement
Great South Bay, West Babylon, Suffolk County
General Concurrence - No Objection To Funding

Dear Mr. King:

The Department of State received the information you submitted regarding the above matter on 9/25/2014.

The Department of State has determined that this proposal meets the Department's general consistency concurrence criteria. Therefore, the Department of State has no objection to the use of U. S. Housing and Urban Development funds for this financial assistance activity. This concurrence pertains to the financial assistance activity for this project only. If federal permits or other form of federal agency authorization is required for this activity, the Department of State will conduct a separate review for those permit activities. In such a case, please forward a copy of the federal application for authorization, a completed Federal Consistency Assessment Form, and all supporting information to the Department at the same time it is submitted to the federal agency from which the necessary authorization is requested.

When communicating with us regarding this matter, please contact Jeffrey Zappieri at (518) 474-6000 and refer to our file #F-2014-0638(FA).

Sincerely,

Jeffrey Zappieri
Supervisor, Consistency Review Unit
Office of Planning and Development

JZ/dc

APPENDIX B

Daily Influent Flows at Bergen Point WWTP during Superstorm Sandy

**Daily Influent Flows at Bergen Point WWTP:
10/01/2012-11/12/2012**

Date	Avg MGD
10/1/12 0:01	24.666
10/2/12 0:01	25.537
10/3/12 0:01	24.796
10/4/12 0:01	24.727
10/5/12 0:01	24.869
10/6/12 0:01	24.570
10/7/12 0:01	23.858
10/8/12 0:01	24.657
10/9/12 0:01	25.122
10/10/12 0:01	25.815
10/11/12 0:01	24.882
10/12/12 0:01	24.375
10/13/12 0:01	24.032
10/14/12 0:01	23.845
10/15/12 0:01	24.014
10/16/12 0:01	24.446
10/17/12 0:01	24.149
10/18/12 0:01	23.970
10/19/12 0:01	25.769
10/20/12 0:01	26.244
10/21/12 0:01	25.637
10/22/12 0:01	24.128
10/23/12 0:01	23.616
10/24/12 0:01	23.819
10/25/12 0:01	23.469
10/26/12 0:01	23.878
10/27/12 0:01	24.781
10/28/12 0:01	27.167
10/29/12 0:01	62.933
10/30/12 0:01	93.589
10/31/12 0:01	33.497
11/1/12 0:01	30.784
11/2/12 0:01	28.472
11/3/12 0:01	27.526
11/4/12 0:01	26.978
11/4/12 23:01	25.598
11/5/12 23:01	25.319
11/6/12 23:01	25.918
11/7/12 23:01	32.788
11/8/12 23:01	28.399
11/9/12 23:01	27.368
11/10/12 23:01	25.752
11/11/12 23:01	25.742
11/12/12 23:01	20.257

MGD = Millions of Gallons per Day

Influent Flows at Bergen Point WWTP:**10/28/2012**

Date/Time	Influent Flow 0101F MGD	Influent 0101F Totalized MGD
10/28/2012 10:50	27.098	0.094
10/28/2012 10:55	27.350	0.189
10/28/2012 11:00	27.745	0.285
10/28/2012 11:05	27.985	0.383
10/28/2012 11:10	28.261	0.481
10/28/2012 11:15	28.627	0.580
10/28/2012 11:20	28.982	0.681
10/28/2012 11:25	29.181	0.782
10/28/2012 11:30	29.272	0.884
10/28/2012 11:35	29.530	0.986
10/28/2012 11:40	29.829	1.090
10/28/2012 11:45	30.169	1.195
10/28/2012 11:50	30.720	1.301
10/28/2012 11:55	31.341	1.410
10/28/2012 12:00	31.669	1.520
10/28/2012 12:05	31.912	1.631
10/28/2012 12:10	32.176	1.743
10/28/2012 12:15	32.413	1.855
10/28/2012 12:20	32.636	1.968
10/28/2012 12:25	33.017	2.083
10/28/2012 12:30	33.254	2.198
10/28/2012 12:35	33.451	2.315
10/28/2012 12:40	33.767	2.432
10/28/2012 12:45	34.057	2.550
10/28/2012 12:50	34.292	2.669
10/28/2012 12:55	34.620	2.789
10/28/2012 13:00	34.863	2.910
10/28/2012 13:05	34.945	3.032
10/28/2012 13:10	35.144	3.154
10/28/2012 13:15	35.244	3.276
10/28/2012 13:20	35.511	3.400
10/28/2012 13:25	35.572	3.523
10/28/2012 13:30	35.719	3.647
10/28/2012 13:35	35.783	3.771
10/28/2012 13:40	35.868	3.896
10/28/2012 13:45	35.918	4.021
10/28/2012 13:50	35.895	4.145
10/28/2012 13:55	35.965	4.270
10/28/2012 14:00	35.988	4.395
10/28/2012 14:05	36.126	4.520
10/28/2012 14:10	36.132	4.646
10/28/2012 14:15	36.325	4.772

10/28/2012 14:20	36.460	4.899
10/28/2012 14:25	36.654	5.026
10/28/2012 14:30	36.633	5.153
10/28/2012 14:35	36.838	5.281
10/28/2012 14:40	36.759	5.409
10/28/2012 14:45	36.903	5.537
10/28/2012 14:50	36.850	5.665
10/28/2012 14:55	36.891	5.793
10/28/2012 15:00	36.783	5.921
10/28/2012 15:05	36.903	6.049
10/28/2012 15:10	36.876	6.177
10/28/2012 15:15	36.947	6.305
10/28/2012 15:20	36.903	6.433
10/28/2012 15:25	36.844	6.561
10/28/2012 15:30	36.961	6.689
10/28/2012 15:35	36.932	6.818
10/28/2012 15:40	36.914	6.946
10/28/2012 15:45	36.853	7.074
10/28/2012 15:50	36.654	7.201
10/28/2012 15:55	36.305	7.327
10/28/2012 16:00	36.132	7.453
10/28/2012 16:05	36.006	7.578
10/28/2012 16:10	36.003	7.703
10/28/2012 16:15	36.047	7.828
10/28/2012 16:20	36.214	7.954
10/28/2012 16:25	36.513	8.080
10/28/2012 16:30	36.651	8.208
10/28/2012 16:35	36.633	8.335
10/28/2012 16:40	36.692	8.462
10/28/2012 16:45	36.703	8.590
10/28/2012 16:50	36.674	8.717
10/28/2012 16:55	36.689	8.844
10/28/2012 17:00	36.618	8.971
10/28/2012 17:05	36.560	9.098
10/28/2012 17:10	36.557	9.225
10/28/2012 17:15	36.460	9.352
10/28/2012 17:20	36.478	9.479
10/28/2012 17:25	36.369	9.605
10/28/2012 17:30	36.334	9.731
10/28/2012 17:35	36.328	9.857
10/28/2012 17:40	36.375	9.984
10/28/2012 17:45	36.381	10.110
10/28/2012 17:50	36.504	10.237
10/28/2012 17:55	36.293	10.363
10/28/2012 18:00	36.164	10.488
10/28/2012 18:05	36.012	10.613
10/28/2012 18:10	36.009	10.738

10/28/2012 18:15	36.021	10.863
10/28/2012 18:20	36.006	10.988
10/28/2012 18:25	35.988	11.113
10/28/2012 18:30	35.816	11.238
10/28/2012 18:35	35.780	11.362
10/28/2012 18:40	35.710	11.486
10/28/2012 18:45	35.798	11.610
10/28/2012 18:50	35.736	11.734
10/28/2012 18:55	35.830	11.859
10/28/2012 19:00	35.619	11.982
10/28/2012 19:05	35.692	12.106
10/28/2012 19:10	35.613	12.230
10/28/2012 19:15	35.508	12.353
10/28/2012 19:20	35.446	12.476
10/28/2012 19:25	35.394	12.599
10/28/2012 19:30	35.361	12.722
10/28/2012 19:35	35.335	12.845
10/28/2012 19:40	35.382	12.968
10/28/2012 19:45	35.373	13.090
10/28/2012 19:50	35.446	13.213
10/28/2012 19:55	35.473	13.337
10/28/2012 20:00	35.505	13.460
10/28/2012 20:05	35.578	13.583
10/28/2012 20:10	35.649	13.707
10/28/2012 20:15	35.531	13.831
10/28/2012 20:20	35.405	13.954
10/28/2012 20:25	35.561	14.077
10/28/2012 20:30	35.766	14.201
10/28/2012 20:35	35.915	14.326
10/28/2012 20:40	36.085	14.451
10/28/2012 20:45	36.240	14.577
10/28/2012 20:50	36.460	14.704
10/28/2012 20:55	36.689	14.831
10/28/2012 21:00	36.994	14.959
10/28/2012 21:05	37.187	15.089
10/28/2012 21:10	37.565	15.219
10/28/2012 21:15	37.861	15.350
10/28/2012 21:20	38.175	15.483
10/28/2012 21:25	38.441	15.617
10/28/2012 21:30	38.790	15.751
10/28/2012 21:35	39.136	15.887
10/28/2012 21:40	39.523	16.024
10/28/2012 21:45	39.950	16.163
10/28/2012 21:50	40.302	16.303
10/28/2012 21:55	40.753	16.444
10/28/2012 22:00	41.128	16.587
10/28/2012 22:05	41.583	16.732

10/28/2012 22:10	41.817	16.877
10/28/2012 22:15	42.069	17.023
10/28/2012 22:20	42.462	17.170
10/28/2012 22:25	42.620	17.318
10/28/2012 22:30	42.936	17.467
10/28/2012 22:35	43.168	17.617
10/28/2012 22:40	43.449	17.768
10/28/2012 22:45	43.523	17.919
10/28/2012 22:50	43.903	18.072
10/28/2012 22:55	44.050	18.225
10/28/2012 23:00	44.117	18.378
10/28/2012 23:05	44.296	18.532
10/28/2012 23:10	44.320	18.686
10/28/2012 23:15	44.498	18.840
10/28/2012 23:20	44.434	18.994
10/28/2012 23:25	44.410	19.149
10/28/2012 23:30	44.419	19.303
10/28/2012 23:35	44.214	19.456
10/28/2012 23:40	43.868	19.609
10/28/2012 23:45	43.438	19.759
10/28/2012 23:50	43.092	19.909
10/28/2012 23:55	42.857	20.058
10/29/2012	42.494	20.205
10/29/2012 0:05	42.116	20.352
10/29/2012 0:10	41.641	20.496
10/29/2012 0:15	41.421	20.640
10/29/2012 0:20	40.958	20.782
10/29/2012 0:25	40.583	20.923
10/29/2012 0:30	40.188	21.063
10/29/2012 0:35	39.860	21.201
10/29/2012 0:40	39.590	21.339
10/29/2012 0:45	39.458	21.476
10/29/2012 0:50	39.124	21.611
10/29/2012 0:55	38.693	21.746
10/29/2012 1:00	38.154	21.878
10/29/2012 1:05	37.580	22.009
10/29/2012 1:10	37.161	22.138
10/29/2012 1:15	36.589	22.265
10/29/2012 1:20	36.273	22.391
10/29/2012 1:25	35.701	22.515
10/29/2012 1:30	35.224	22.637
10/29/2012 1:35	34.831	22.758
10/29/2012 1:40	34.377	22.877
10/29/2012 1:45	33.931	22.995
10/29/2012 1:50	33.498	23.112
10/29/2012 1:55	33.061	23.226
10/29/2012 2:00	32.709	23.340

10/29/2012 2:05	32.413	23.452
10/29/2012 2:10	32.059	23.564
10/29/2012 2:15	31.725	23.674
10/29/2012 2:20	31.405	23.783
10/29/2012 2:25	31.115	23.891
10/29/2012 2:30	30.649	23.997
10/29/2012 2:35	30.300	24.103
10/29/2012 2:40	29.922	24.207
10/29/2012 2:45	29.571	24.309
10/29/2012 2:50	29.287	24.411
10/29/2012 2:55	28.906	24.511
10/29/2012 3:00	28.566	24.610
10/29/2012 3:05	28.252	24.709
10/29/2012 3:10	27.936	24.806
10/29/2012 3:15	27.625	24.901
10/29/2012 3:20	27.300	24.996
10/29/2012 3:25	27.027	25.090
10/29/2012 3:30	26.772	25.183
10/29/2012 3:35	26.356	25.275
10/29/2012 3:40	26.110	25.365
10/29/2012 3:45	25.846	25.455
10/29/2012 3:50	25.591	25.544
10/29/2012 3:55	25.345	25.632
10/29/2012 4:00	25.087	25.719
10/29/2012 4:05	24.774	25.805
10/29/2012 4:10	24.633	25.891
10/29/2012 4:15	24.434	25.975
10/29/2012 4:20	24.267	26.060
10/29/2012 4:25	24.076	26.143
10/29/2012 4:30	23.921	26.226
10/29/2012 4:35	23.777	26.309
10/29/2012 4:40	23.470	26.390
10/29/2012 4:45	23.420	26.472
10/29/2012 4:50	23.267	26.552
10/29/2012 4:55	23.089	26.633
10/29/2012 5:00	22.892	26.712
10/29/2012 5:05	22.684	26.791
10/29/2012 5:10	22.438	26.869
10/29/2012 5:15	22.274	26.946
10/29/2012 5:20	22.025	27.023
10/29/2012 5:25	21.829	27.098
10/29/2012 5:30	21.644	27.174
10/29/2012 5:35	21.383	27.248
10/29/2012 5:40	21.199	27.321
10/29/2012 5:45	20.832	27.394
10/29/2012 5:50	20.703	27.466
10/29/2012 5:55	20.574	27.537

10/29/2012 6:00	20.399	27.608
10/29/2012 6:05	20.255	27.678
10/29/2012 6:10	20.117	27.748
10/29/2012 6:15	19.980	27.817
10/29/2012 6:20	19.959	27.887
10/29/2012 6:25	19.918	27.956
10/29/2012 6:30	19.971	28.025
10/29/2012 6:35	19.941	28.094
10/29/2012 6:40	19.900	28.164
10/29/2012 6:45	19.827	28.232
10/29/2012 6:50	19.903	28.302
10/29/2012 6:55	19.854	28.370
10/29/2012 7:00	19.941	28.440
10/29/2012 7:05	20.158	28.510
10/29/2012 7:10	20.281	28.580
10/29/2012 7:15	20.686	28.652
10/29/2012 7:20	21.134	28.725
10/29/2012 7:25	21.524	28.800
10/29/2012 7:30	21.732	28.876
10/29/2012 7:35	21.993	28.952
10/29/2012 7:40	22.403	29.030
10/29/2012 7:45	22.737	29.109
10/29/2012 7:50	23.039	29.189
10/29/2012 7:55	23.399	29.270
10/29/2012 8:00	23.933	29.353
10/29/2012 8:05	24.935	29.440
10/29/2012 8:10	25.644	29.529
10/29/2012 8:15	26.374	29.620
10/29/2012 8:20	27.309	29.715
10/29/2012 8:25	27.997	29.812
10/29/2012 8:30	28.818	29.912
10/29/2012 8:35	29.814	30.016
10/29/2012 8:40	30.807	30.123
10/29/2012 8:45	31.903	30.234
10/29/2012 8:50	33.137	30.349
10/29/2012 8:55	34.277	30.468
10/29/2012 9:00	35.408	30.591
10/29/2012 9:05	36.660	30.718
10/29/2012 9:10	38.107	30.850
10/29/2012 9:15	39.531	30.987
10/29/2012 9:20	40.806	31.129
10/29/2012 9:25	42.424	31.276
10/29/2012 9:30	44.021	31.429
10/29/2012 9:35	45.594	31.588
10/29/2012 9:40	47.341	31.752
10/29/2012 9:45	48.847	31.922
10/29/2012 9:50	50.725	32.098

10/29/2012 9:55	52.317	32.279
10/29/2012 10:00	53.926	32.467
10/29/2012 10:05	55.810	32.660
10/29/2012 10:10	57.600	32.860
10/29/2012 10:15	59.279	33.066
10/29/2012 10:20	60.009	33.275
10/29/2012 10:25	63.385	33.495
10/29/2012 10:30	70.421	33.739
10/29/2012 10:35	68.258	33.976
10/29/2012 10:40	69.290	34.217
10/29/2012 10:45	70.286	34.461

**Influent Flows at Bergen Point WWTP:
10/29/2012**

Date/Time	Influent Flow 0101F MGD	Influent 0101F Totalized MGD
10/29/2012 10:50	70.600	0.245
10/29/2012 10:55	70.714	0.491
10/29/2012 11:00	71.101	0.738
10/29/2012 11:05	71.596	0.986
10/29/2012 11:10	73.105	1.240
10/29/2012 11:15	73.331	1.495
10/29/2012 11:20	74.394	1.753
10/29/2012 11:25	73.170	2.007
10/29/2012 11:30	73.767	2.263
10/29/2012 11:35	73.767	2.519
10/29/2012 11:40	73.383	2.774
10/29/2012 11:45	73.797	3.030
10/29/2012 11:50	73.993	3.287
10/29/2012 11:55	24.664	3.373
10/29/2012 12:00	0.000	3.373
10/29/2012 12:05	0.000	3.373
10/29/2012 12:10	0.000	3.373
10/29/2012 12:15	79.520	3.649
10/29/2012 12:20	80.273	3.928
10/29/2012 12:25	86.113	4.227
10/29/2012 12:30	88.214	4.533
10/29/2012 12:35	88.047	4.839
10/29/2012 12:40	88.214	5.145
10/29/2012 12:45	88.267	5.451
10/29/2012 12:50	87.953	5.757
10/29/2012 12:55	87.816	6.062
10/29/2012 13:00	87.995	6.367
10/29/2012 13:05	87.918	6.673
10/29/2012 13:10	87.907	6.978
10/29/2012 13:15	87.956	7.283
10/29/2012 13:20	87.948	7.589
10/29/2012 13:25	88.036	7.894
10/29/2012 13:30	88.041	8.200
10/29/2012 13:35	88.100	8.506
10/29/2012 13:40	88.226	8.812
10/29/2012 13:45	88.232	9.119
10/29/2012 13:50	88.311	9.425
10/29/2012 13:55	88.211	9.732
10/29/2012 14:00	18.377	9.795
10/29/2012 14:05	88.138	10.101
10/29/2012 14:10	52.158	10.282
10/29/2012 14:15	43.001	10.432

10/29/2012 14:20	66.160	10.662
10/29/2012 14:25	89.211	10.971
10/29/2012 14:30	89.340	11.281
10/29/2012 14:35	89.167	11.591
10/29/2012 14:40	89.316	11.901
10/29/2012 14:45	89.293	12.211
10/29/2012 14:50	89.114	12.521
10/29/2012 14:55	89.205	12.830
10/29/2012 15:00	89.214	13.140
10/29/2012 15:05	89.088	13.450
10/29/2012 15:10	89.067	13.759
10/29/2012 15:15	89.184	14.068
10/29/2012 15:20	89.032	14.378
10/29/2012 15:25	88.947	14.686
10/29/2012 15:30	88.912	14.995
10/29/2012 15:35	88.877	15.304
10/29/2012 15:40	88.912	15.612
10/29/2012 15:45	88.818	15.921
10/29/2012 15:50	88.754	16.229
10/29/2012 15:55	88.809	16.537
10/29/2012 16:00	88.683	16.845
10/29/2012 16:05	88.759	17.154
10/29/2012 16:10	88.756	17.462
10/29/2012 16:15	88.642	17.769
10/29/2012 16:20	88.513	18.077
10/29/2012 16:25	88.707	18.385
10/29/2012 16:30	88.721	18.693
10/29/2012 16:35	88.795	19.001
10/29/2012 16:40	88.759	19.309
10/29/2012 16:45	88.540	19.617
10/29/2012 16:50	88.589	19.924
10/29/2012 16:55	88.789	20.233
10/29/2012 17:00	88.774	20.541
10/29/2012 17:05	88.830	20.849
10/29/2012 17:10	88.774	21.158
10/29/2012 17:15	88.830	21.466
10/29/2012 17:20	88.636	21.774
10/29/2012 17:25	88.563	22.081
10/29/2012 17:30	88.674	22.389
10/29/2012 17:35	88.739	22.697
10/29/2012 17:40	88.882	23.006
10/29/2012 17:45	88.880	23.315
10/29/2012 17:50	89.126	23.624
10/29/2012 17:55	89.070	23.933
10/29/2012 18:00	89.240	24.243
10/29/2012 18:05	89.527	24.554
10/29/2012 18:10	89.832	24.866

10/29/2012 18:15	90.119	25.179
10/29/2012 18:20	90.570	25.493
10/29/2012 18:25	90.755	25.808
10/29/2012 18:30	91.312	26.126
10/29/2012 18:35	91.540	26.443
10/29/2012 18:40	92.153	26.763
10/29/2012 18:45	92.944	27.086
10/29/2012 18:50	93.307	27.410
10/29/2012 18:55	93.920	27.736
10/29/2012 19:00	94.488	28.064
10/29/2012 19:05	94.802	28.393
10/29/2012 19:10	95.236	28.724
10/29/2012 19:15	95.625	29.056
10/29/2012 19:20	96.364	29.391
10/29/2012 19:25	96.396	29.725
10/29/2012 19:30	96.739	30.061
10/29/2012 19:35	97.099	30.399
10/29/2012 19:40	97.571	30.737
10/29/2012 19:45	98.019	31.078
10/29/2012 19:50	98.403	31.419
10/29/2012 19:55	98.737	31.762
10/29/2012 20:00	99.007	32.106
10/29/2012 20:05	99.625	32.452
10/29/2012 20:10	99.998	32.799
10/29/2012 20:15	100.244	33.147
10/29/2012 20:20	100.610	33.496
10/29/2012 20:25	100.926	33.847
10/29/2012 20:30	101.732	34.200
10/29/2012 20:35	101.756	34.553
10/29/2012 20:40	101.987	34.908
10/29/2012 20:45	102.324	35.263
10/29/2012 20:50	102.761	35.620
10/29/2012 20:55	102.855	35.977
10/29/2012 21:00	103.376	36.336
10/29/2012 21:05	103.910	36.697
10/29/2012 21:10	104.106	37.058
10/29/2012 21:15	104.478	37.421
10/29/2012 21:20	104.795	37.785
10/29/2012 21:25	105.006	38.149
10/29/2012 21:30	105.193	38.515
10/29/2012 21:35	105.524	38.881
10/29/2012 21:40	105.700	39.248
10/29/2012 21:45	106.058	39.616
10/29/2012 21:50	106.233	39.985
10/29/2012 21:55	106.213	40.354
10/29/2012 22:00	106.485	40.724
10/29/2012 22:05	106.863	41.095

10/29/2012 22:10	107.019	41.466
10/29/2012 22:15	107.162	41.838
10/29/2012 22:20	107.365	42.211
10/29/2012 22:25	107.634	42.585
10/29/2012 22:30	108.252	42.961
10/29/2012 22:35	108.428	43.337
10/29/2012 22:40	108.715	43.715
10/29/2012 22:45	109.220	44.094
10/29/2012 22:50	109.395	44.474
10/29/2012 22:55	109.477	44.854
10/29/2012 23:00	109.674	45.235
10/29/2012 23:05	110.113	45.617
10/29/2012 23:10	110.181	46.000
10/29/2012 23:15	110.207	46.382
10/29/2012 23:20	110.354	46.766
10/29/2012 23:25	110.307	47.149
10/29/2012 23:30	110.623	47.533
10/29/2012 23:35	110.318	47.916
10/29/2012 23:40	110.233	48.298
10/29/2012 23:45	110.442	48.682
10/29/2012 23:50	110.415	49.065
10/29/2012 23:55	110.398	49.449
10/30/2012	110.307	49.832
10/30/2012 0:05	110.330	50.215
10/30/2012 0:10	110.377	50.598
10/30/2012 0:15	110.105	50.980
10/30/2012 0:20	110.122	51.363
10/30/2012 0:25	110.014	51.745
10/30/2012 0:30	110.096	52.127
10/30/2012 0:35	110.233	52.510
10/30/2012 0:40	110.081	52.892
10/30/2012 0:45	109.835	53.273
10/30/2012 0:50	109.776	53.654
10/30/2012 0:55	109.721	54.035
10/30/2012 1:00	109.879	54.417
10/30/2012 1:05	109.691	54.798
10/30/2012 1:10	109.644	55.179
10/30/2012 1:15	109.463	55.559
10/30/2012 1:20	109.518	55.939
10/30/2012 1:25	109.518	56.319
10/30/2012 1:30	109.378	56.699
10/30/2012 1:35	109.255	57.078
10/30/2012 1:40	109.096	57.457
10/30/2012 1:45	108.997	57.836
10/30/2012 1:50	108.912	58.214
10/30/2012 1:55	108.929	58.592
10/30/2012 2:00	108.786	58.970

10/30/2012 2:05	108.727	59.347
10/30/2012 2:10	108.642	59.724
10/30/2012 2:15	108.592	60.101
10/30/2012 2:20	108.578	60.478
10/30/2012 2:25	108.428	60.855
10/30/2012 2:30	108.425	61.231
10/30/2012 2:35	108.420	61.608
10/30/2012 2:40	108.358	61.984
10/30/2012 2:45	108.153	62.360
10/30/2012 2:50	108.074	62.735
10/30/2012 2:55	108.056	63.110
10/30/2012 3:00	108.009	63.485
10/30/2012 3:05	107.578	63.859
10/30/2012 3:10	107.842	64.233
10/30/2012 3:15	107.702	64.607
10/30/2012 3:20	107.646	64.981
10/30/2012 3:25	107.602	65.355
10/30/2012 3:30	107.250	65.727
10/30/2012 3:35	107.189	66.099
10/30/2012 3:40	107.133	66.471
10/30/2012 3:45	107.022	66.843
10/30/2012 3:50	106.978	67.214
10/30/2012 3:55	106.899	67.585
10/30/2012 4:00	106.726	67.956
10/30/2012 4:05	106.676	68.326
10/30/2012 4:10	106.638	68.697
10/30/2012 4:15	106.365	69.066
10/30/2012 4:20	106.336	69.435
10/30/2012 4:25	106.172	69.804
10/30/2012 4:30	106.122	70.172
10/30/2012 4:35	105.961	70.540
10/30/2012 4:40	105.873	70.908
10/30/2012 4:45	105.680	71.275
10/30/2012 4:50	105.527	71.641
10/30/2012 4:55	105.299	72.007
10/30/2012 5:00	105.176	72.372
10/30/2012 5:05	105.017	72.737
10/30/2012 5:10	104.824	73.101
10/30/2012 5:15	104.651	73.464
10/30/2012 5:20	104.481	73.827
10/30/2012 5:25	104.305	74.189
10/30/2012 5:30	104.194	74.551
10/30/2012 5:35	103.942	74.912
10/30/2012 5:40	103.816	75.272
10/30/2012 5:45	103.696	75.632
10/30/2012 5:50	103.376	75.991
10/30/2012 5:55	103.367	76.350

10/30/2012 6:00	103.306	76.709
10/30/2012 6:05	103.312	77.067
10/30/2012 6:10	103.042	77.425
10/30/2012 6:15	102.981	77.783
10/30/2012 6:20	102.834	78.140
10/30/2012 6:25	102.693	78.496
10/30/2012 6:30	102.439	78.852
10/30/2012 6:35	102.301	79.207
10/30/2012 6:40	102.201	79.562
10/30/2012 6:45	102.110	79.917
10/30/2012 6:50	102.055	80.271
10/30/2012 6:55	101.926	80.625
10/30/2012 7:00	101.876	80.979
10/30/2012 7:05	101.624	81.332
10/30/2012 7:10	101.624	81.684
10/30/2012 7:15	101.436	82.037
10/30/2012 7:20	101.457	82.389
10/30/2012 7:25	101.381	82.741
10/30/2012 7:30	101.272	83.093
10/30/2012 7:35	101.249	83.444
10/30/2012 7:40	101.117	83.795
10/30/2012 7:45	101.082	84.146
10/30/2012 7:50	100.906	84.497
10/30/2012 7:55	100.774	84.846
10/30/2012 8:00	100.666	85.196
10/30/2012 8:05	100.654	85.545
10/30/2012 8:10	100.592	85.895
10/30/2012 8:15	100.519	86.244
10/30/2012 8:20	100.484	86.593
10/30/2012 8:25	100.381	86.941
10/30/2012 8:30	100.367	87.290
10/30/2012 8:35	100.373	87.638
10/30/2012 8:40	100.291	87.986
10/30/2012 8:45	100.188	88.334
10/30/2012 8:50	100.009	88.682
10/30/2012 8:55	100.118	89.029
10/30/2012 9:00	100.165	89.377
10/30/2012 9:05	100.194	89.725
10/30/2012 9:10	100.044	90.072
10/30/2012 9:15	100.053	90.420
10/30/2012 9:20	99.924	90.767
10/30/2012 9:25	99.971	91.114
10/30/2012 9:30	100.080	91.461
10/30/2012 9:35	99.939	91.808
10/30/2012 9:40	99.986	92.155
10/30/2012 9:45	99.921	92.502
10/30/2012 9:50	99.983	92.850

10/30/2012 9:55	99.995	93.197
10/30/2012 10:00	99.898	93.544
10/30/2012 10:05	99.778	93.890
10/30/2012 10:10	99.874	94.237
10/30/2012 10:15	99.880	94.584
10/30/2012 10:20	99.751	94.930
10/30/2012 10:25	99.628	95.276
10/30/2012 10:30	99.652	95.622
10/30/2012 10:35	99.602	95.968
10/30/2012 10:40	99.652	96.314
10/30/2012 10:45	99.743	96.660

Influent Flows at Bergen Point WWTP:**10/30/2012**

Date/Time	Influent Flow 0101F MGD	Influent 0101F Totalized MGD
10/30/2012 10:50	99.766	0.346
10/30/2012 10:55	99.839	0.693
10/30/2012 11:00	99.839	1.040
10/30/2012 11:05	99.836	1.386
10/30/2012 11:10	99.848	1.733
10/30/2012 11:15	99.913	2.080
10/30/2012 11:20	99.830	2.427
10/30/2012 11:25	99.951	2.774
10/30/2012 11:30	99.854	3.120
10/30/2012 11:35	99.851	3.467
10/30/2012 11:40	99.804	3.814
10/30/2012 11:45	99.825	4.160
10/30/2012 11:50	99.728	4.507
10/30/2012 11:55	99.704	4.853
10/30/2012 12:00	99.734	5.199
10/30/2012 12:05	99.740	5.545
10/30/2012 12:10	99.787	5.892
10/30/2012 12:15	99.784	6.238
10/30/2012 12:20	99.699	6.584
10/30/2012 12:25	99.634	6.930
10/30/2012 12:30	99.491	7.276
10/30/2012 12:35	99.318	7.621
10/30/2012 12:40	99.326	7.966
10/30/2012 12:45	99.388	8.311
10/30/2012 12:50	99.329	8.656
10/30/2012 12:55	99.221	9.000
10/30/2012 13:00	99.324	9.345
10/30/2012 13:05	99.303	9.690
10/30/2012 13:10	99.168	10.034
10/30/2012 13:15	98.966	10.378
10/30/2012 13:20	98.998	10.722
10/30/2012 13:25	98.931	11.065
10/30/2012 13:30	98.878	11.408
10/30/2012 13:35	98.734	11.751
10/30/2012 13:40	98.559	12.093
10/30/2012 13:45	98.380	12.435
10/30/2012 13:50	98.441	12.777
10/30/2012 13:55	98.318	13.118
10/30/2012 14:00	98.184	13.459
10/30/2012 14:05	98.061	13.800
10/30/2012 14:10	97.852	14.139
10/30/2012 14:15	97.811	14.479

10/30/2012 14:20	97.674	14.818
10/30/2012 14:25	97.627	15.157
10/30/2012 14:30	97.407	15.495
10/30/2012 14:35	97.052	15.832
10/30/2012 14:40	96.970	16.169
10/30/2012 14:45	96.976	16.506
10/30/2012 14:50	96.821	16.842
10/30/2012 14:55	96.592	17.177
10/30/2012 15:00	96.443	17.512
10/30/2012 15:05	96.229	17.846
10/30/2012 15:10	96.047	18.180
10/30/2012 15:15	95.842	18.513
10/30/2012 15:20	95.529	18.844
10/30/2012 15:25	95.285	19.175
10/30/2012 15:30	94.954	19.505
10/30/2012 15:35	94.819	19.834
10/30/2012 15:40	94.661	20.163
10/30/2012 15:45	94.406	20.491
10/30/2012 15:50	94.195	20.818
10/30/2012 15:55	94.046	21.144
10/30/2012 16:00	93.680	21.469
10/30/2012 16:05	93.398	21.794
10/30/2012 16:10	93.258	22.118
10/30/2012 16:15	93.170	22.441
10/30/2012 16:20	92.891	22.764
10/30/2012 16:25	92.777	23.086
10/30/2012 16:30	92.648	23.407
10/30/2012 16:35	92.361	23.728
10/30/2012 16:40	92.543	24.049
10/30/2012 16:45	92.162	24.369
10/30/2012 16:50	92.062	24.689
10/30/2012 16:55	91.816	25.008
10/30/2012 17:00	91.684	25.326
10/30/2012 17:05	91.564	25.644
10/30/2012 17:10	91.464	25.962
10/30/2012 17:15	91.306	26.279
10/30/2012 17:20	91.168	26.595
10/30/2012 17:25	91.054	26.912
10/30/2012 17:30	90.992	27.227
10/30/2012 17:35	90.740	27.543
10/30/2012 17:40	90.564	27.857
10/30/2012 17:45	90.365	28.171
10/30/2012 17:50	90.515	28.485
10/30/2012 17:55	90.339	28.799
10/30/2012 18:00	90.307	29.112
10/30/2012 18:05	90.207	29.426
10/30/2012 18:10	90.031	29.738

10/30/2012 18:15	89.943	30.050
10/30/2012 18:20	89.835	30.362
10/30/2012 18:25	89.653	30.674
10/30/2012 18:30	89.674	30.985
10/30/2012 18:35	89.460	31.296
10/30/2012 18:40	89.243	31.606
10/30/2012 18:45	89.049	31.915
10/30/2012 18:50	88.944	32.224
10/30/2012 18:55	88.909	32.532
10/30/2012 19:00	88.815	32.841
10/30/2012 19:05	88.449	33.148
10/30/2012 19:10	88.396	33.455
10/30/2012 19:15	88.129	33.761
10/30/2012 19:20	87.883	34.066
10/30/2012 19:25	87.945	34.371
10/30/2012 19:30	87.631	34.676
10/30/2012 19:35	87.426	34.979
10/30/2012 19:40	87.253	35.282
10/30/2012 19:45	87.071	35.584
10/30/2012 19:50	86.928	35.886
10/30/2012 19:55	86.351	36.186
10/30/2012 20:00	86.591	36.487
10/30/2012 20:05	86.406	36.787
10/30/2012 20:10	86.239	37.086
10/30/2012 20:15	85.914	37.384
10/30/2012 20:20	85.852	37.683
10/30/2012 20:25	85.782	37.980
10/30/2012 20:30	85.495	38.277
10/30/2012 20:35	85.454	38.574
10/30/2012 20:40	85.231	38.870
10/30/2012 20:45	85.140	39.166
10/30/2012 20:50	85.140	39.461
10/30/2012 20:55	84.677	39.755
10/30/2012 21:00	84.402	40.048
10/30/2012 21:05	84.200	40.341
10/30/2012 21:10	83.833	40.632
10/30/2012 21:15	83.778	40.923
10/30/2012 21:20	83.552	41.213
10/30/2012 21:25	83.145	41.501
10/30/2012 21:30	83.177	41.790
10/30/2012 21:35	82.972	42.078
10/30/2012 21:40	82.693	42.365
10/30/2012 21:45	82.453	42.652
10/30/2012 21:50	82.119	42.937
10/30/2012 21:55	81.712	43.221
10/30/2012 22:00	81.111	43.502
10/30/2012 22:05	80.607	43.782

10/30/2012 22:10	80.208	44.061
10/30/2012 22:15	79.599	44.337
10/30/2012 22:20	78.764	44.610
10/30/2012 22:25	77.744	44.880
10/30/2012 22:30	76.762	45.147
10/30/2012 22:35	75.341	45.409
10/30/2012 22:40	61.076	45.621
10/30/2012 22:45	51.273	45.799
10/30/2012 22:50	50.216	45.973
10/30/2012 22:55	49.348	46.144
10/30/2012 23:00	48.331	46.312
10/30/2012 23:05	47.716	46.478
10/30/2012 23:10	47.045	46.641
10/30/2012 23:15	46.860	46.804
10/30/2012 23:20	46.374	46.965
10/30/2012 23:25	46.189	47.125
10/30/2012 23:30	45.893	47.285
10/30/2012 23:35	45.641	47.443
10/30/2012 23:40	45.334	47.601
10/30/2012 23:45	45.084	47.757
10/30/2012 23:50	44.818	47.913
10/30/2012 23:55	44.613	48.068
10/31/2012	44.147	48.221
10/31/2012 0:05	44.050	48.374
10/31/2012 0:10	43.748	48.526
10/31/2012 0:15	43.523	48.677
10/31/2012 0:20	43.317	48.827
10/31/2012 0:25	42.966	48.976
10/31/2012 0:30	42.649	49.125
10/31/2012 0:35	42.327	49.272
10/31/2012 0:40	42.101	49.418
10/31/2012 0:45	41.817	49.563
10/31/2012 0:50	41.389	49.707
10/31/2012 0:55	41.155	49.850
10/31/2012 1:00	40.950	49.992
10/31/2012 1:05	40.531	50.132
10/31/2012 1:10	40.276	50.272
10/31/2012 1:15	39.962	50.411
10/31/2012 1:20	39.704	50.549
10/31/2012 1:25	39.036	50.684
10/31/2012 1:30	39.083	50.820
10/31/2012 1:35	38.784	50.955
10/31/2012 1:40	38.344	51.088
10/31/2012 1:45	37.993	51.220
10/31/2012 1:50	37.706	51.351
10/31/2012 1:55	37.430	51.481
10/31/2012 2:00	37.023	51.609

10/31/2012 2:05	36.654	51.737
10/31/2012 2:10	36.202	51.862
10/31/2012 2:15	36.112	51.988
10/31/2012 2:20	35.821	52.112
10/31/2012 2:25	35.461	52.235
10/31/2012 2:30	35.294	52.358
10/31/2012 2:35	35.147	52.480
10/31/2012 2:40	34.799	52.601
10/31/2012 2:45	34.570	52.721
10/31/2012 2:50	34.248	52.840
10/31/2012 2:55	33.969	52.958
10/31/2012 3:00	33.996	53.076
10/31/2012 3:05	33.750	53.193
10/31/2012 3:10	33.638	53.310
10/31/2012 3:15	33.351	53.425
10/31/2012 3:20	33.122	53.540
10/31/2012 3:25	33.005	53.655
10/31/2012 3:30	32.774	53.769
10/31/2012 3:35	32.692	53.882
10/31/2012 3:40	32.387	53.995
10/31/2012 3:45	32.199	54.107
10/31/2012 3:50	31.980	54.218
10/31/2012 3:55	31.757	54.328
10/31/2012 4:00	31.429	54.437
10/31/2012 4:05	31.338	54.546
10/31/2012 4:10	31.165	54.654
10/31/2012 4:15	30.878	54.761
10/31/2012 4:20	30.667	54.868
10/31/2012 4:25	30.500	54.974
10/31/2012 4:30	30.459	55.079
10/31/2012 4:35	30.383	55.185
10/31/2012 4:40	29.978	55.289
10/31/2012 4:45	29.934	55.393
10/31/2012 4:50	29.811	55.496
10/31/2012 4:55	29.547	55.599
10/31/2012 5:00	29.331	55.701
10/31/2012 5:05	29.131	55.802
10/31/2012 5:10	29.172	55.903
10/31/2012 5:15	29.090	56.004
10/31/2012 5:20	28.926	56.105
10/31/2012 5:25	28.759	56.205
10/31/2012 5:30	28.569	56.304
10/31/2012 5:35	28.252	56.402
10/31/2012 5:40	28.293	56.500
10/31/2012 5:45	27.903	56.597
10/31/2012 5:50	27.678	56.693
10/31/2012 5:55	27.402	56.788

10/31/2012 6:00	27.165	56.883
10/31/2012 6:05	27.045	56.976
10/31/2012 6:10	26.980	57.070
10/31/2012 6:15	26.649	57.163
10/31/2012 6:20	26.432	57.254
10/31/2012 6:25	26.362	57.346
10/31/2012 6:30	26.113	57.437
10/31/2012 6:35	25.993	57.527
10/31/2012 6:40	25.794	57.616
10/31/2012 6:45	25.626	57.705
10/31/2012 6:50	25.442	57.794
10/31/2012 6:55	25.269	57.882
10/31/2012 7:00	25.143	57.969
10/31/2012 7:05	25.155	58.056
10/31/2012 7:10	25.134	58.143
10/31/2012 7:15	25.117	58.231
10/31/2012 7:20	24.955	58.317
10/31/2012 7:25	25.166	58.405
10/31/2012 7:30	28.868	58.505
10/31/2012 7:35	29.606	58.608
10/31/2012 7:40	29.770	58.711
10/31/2012 7:45	29.260	58.813
10/31/2012 7:50	28.824	58.913
10/31/2012 7:55	27.769	59.009
10/31/2012 8:00	26.966	59.103
10/31/2012 8:05	26.928	59.196
10/31/2012 8:10	27.127	59.291
10/31/2012 8:15	27.103	59.385
10/31/2012 8:20	27.209	59.479
10/31/2012 8:25	27.051	59.573
10/31/2012 8:30	26.330	59.664
10/31/2012 8:35	26.365	59.756
10/31/2012 8:40	26.295	59.847
10/31/2012 8:45	26.479	59.939
10/31/2012 8:50	26.632	60.032
10/31/2012 8:55	27.027	60.126
10/31/2012 9:00	27.191	60.220
10/31/2012 9:05	27.285	60.315
10/31/2012 9:10	27.575	60.410
10/31/2012 9:15	27.854	60.507
10/31/2012 9:20	27.883	60.604
10/31/2012 9:25	28.258	60.702
10/31/2012 9:30	28.566	60.801
10/31/2012 9:35	28.583	60.901
10/31/2012 9:40	28.788	61.000
10/31/2012 9:45	29.205	61.102
10/31/2012 9:50	29.275	61.204

10/31/2012 9:55	29.345	61.305
10/31/2012 10:00	29.454	61.408
10/31/2012 10:05	29.670	61.511
10/31/2012 10:10	29.955	61.615
10/31/2012 10:15	30.116	61.719
10/31/2012 10:20	30.479	61.825
10/31/2012 10:25	30.535	61.931
10/31/2012 10:30	30.933	62.039
10/31/2012 10:35	31.004	62.146
10/31/2012 10:40	31.379	62.255
10/31/2012 10:45	31.517	62.365

Influent Flows at Bergen Point WWTP:**10/31/2012**

Date/Time	Influent Flow 0101F MGD	Influent 0101F Totalized MGD
10/31/2012 10:50	31.906	0.111
10/31/2012 10:55	32.114	0.222
10/31/2012 11:00	32.437	0.335
10/31/2012 11:05	32.358	0.447
10/31/2012 11:10	32.756	0.561
10/31/2012 11:15	33.164	0.676
10/31/2012 11:20	33.149	0.791
10/31/2012 11:25	33.741	0.908
10/31/2012 11:30	33.761	1.026
10/31/2012 11:35	34.708	1.146
10/31/2012 11:40	34.271	1.265
10/31/2012 11:45	34.409	1.385
10/31/2012 11:50	35.610	1.508
10/31/2012 11:55	35.813	1.633
10/31/2012 12:00	36.208	1.758
10/31/2012 12:05	36.106	1.884
10/31/2012 12:10	37.137	2.013
10/31/2012 12:15	37.011	2.141
10/31/2012 12:20	37.120	2.270
10/31/2012 12:25	37.055	2.399
10/31/2012 12:30	37.591	2.529
10/31/2012 12:35	37.732	2.660
10/31/2012 12:40	36.777	2.788
10/31/2012 12:45	37.870	2.919
10/31/2012 12:50	37.799	3.051
10/31/2012 12:55	38.415	3.184
10/31/2012 13:00	37.887	3.316
10/31/2012 13:05	38.837	3.450
10/31/2012 13:10	38.394	3.584
10/31/2012 13:15	44.868	3.740
10/31/2012 13:20	41.061	3.882
10/31/2012 13:25	39.484	4.019
10/31/2012 13:30	39.575	4.157
10/31/2012 13:35	39.558	4.294
10/31/2012 13:40	39.701	4.432
10/31/2012 13:45	39.760	4.570
10/31/2012 13:50	39.757	4.708
10/31/2012 13:55	39.845	4.846
10/31/2012 14:00	40.053	4.985
10/31/2012 14:05	39.959	5.124
10/31/2012 14:10	40.238	5.264
10/31/2012 14:15	40.320	5.404

10/31/2012 14:20	40.410	5.544
10/31/2012 14:25	40.531	5.685
10/31/2012 14:30	40.610	5.826
10/31/2012 14:35	40.604	5.967
10/31/2012 14:40	40.668	6.108
10/31/2012 14:45	40.645	6.249
10/31/2012 14:50	40.680	6.390
10/31/2012 14:55	40.621	6.532
10/31/2012 15:00	40.621	6.673
10/31/2012 15:05	40.492	6.813
10/31/2012 15:10	40.249	6.953
10/31/2012 15:15	40.346	7.093
10/31/2012 15:20	40.202	7.233
10/31/2012 15:25	40.261	7.372
10/31/2012 15:30	40.021	7.511
10/31/2012 15:35	40.018	7.650
10/31/2012 15:40	40.027	7.789
10/31/2012 15:45	39.901	7.928
10/31/2012 15:50	39.789	8.066
10/31/2012 15:55	39.660	8.204
10/31/2012 16:00	39.619	8.341
10/31/2012 16:05	39.839	8.480
10/31/2012 16:10	39.543	8.617
10/31/2012 16:15	39.517	8.754
10/31/2012 16:20	39.687	8.892
10/31/2012 16:25	39.716	9.030
10/31/2012 16:30	39.763	9.168
10/31/2012 16:35	39.842	9.306
10/31/2012 16:40	39.578	9.444
10/31/2012 16:45	39.748	9.582
10/31/2012 16:50	39.777	9.720
10/31/2012 16:55	39.780	9.858
10/31/2012 17:00	39.564	9.995
10/31/2012 17:05	39.537	10.133
10/31/2012 17:10	39.385	10.269
10/31/2012 17:15	39.376	10.406
10/31/2012 17:20	39.109	10.542
10/31/2012 17:25	39.153	10.678
10/31/2012 17:30	39.127	10.814
10/31/2012 17:35	39.127	10.950
10/31/2012 17:40	39.024	11.085
10/31/2012 17:45	39.174	11.221
10/31/2012 17:50	39.089	11.357
10/31/2012 17:55	39.112	11.493
10/31/2012 18:00	38.863	11.628
10/31/2012 18:05	38.948	11.763
10/31/2012 18:10	38.805	11.897

10/31/2012 18:15	38.898	12.033
10/31/2012 18:20	38.623	12.167
10/31/2012 18:25	38.626	12.301
10/31/2012 18:30	38.462	12.434
10/31/2012 18:35	38.638	12.568
10/31/2012 18:40	38.547	12.702
10/31/2012 18:45	38.421	12.836
10/31/2012 18:50	38.403	12.969
10/31/2012 18:55	38.166	13.102
10/31/2012 19:00	38.391	13.235
10/31/2012 19:05	38.362	13.368
10/31/2012 19:10	38.268	13.501
10/31/2012 19:15	38.251	13.634
10/31/2012 19:20	38.160	13.766
10/31/2012 19:25	37.905	13.898
10/31/2012 19:30	37.791	14.029
10/31/2012 19:35	37.729	14.160
10/31/2012 19:40	37.726	14.291
10/31/2012 19:45	37.946	14.423
10/31/2012 19:50	37.612	14.553
10/31/2012 19:55	37.893	14.685
10/31/2012 20:00	37.855	14.816
10/31/2012 20:05	38.160	14.949
10/31/2012 20:10	37.899	15.081
10/31/2012 20:15	37.662	15.211
10/31/2012 20:20	38.233	15.344
10/31/2012 20:25	36.859	15.472
10/31/2012 20:30	36.976	15.600
10/31/2012 20:35	37.873	15.732
10/31/2012 20:40	37.029	15.861
10/31/2012 20:45	37.427	15.990
10/31/2012 20:50	38.301	16.123
10/31/2012 20:55	37.846	16.255
10/31/2012 21:00	37.993	16.387
10/31/2012 21:05	38.218	16.520
10/31/2012 21:10	38.538	16.653
10/31/2012 21:15	37.911	16.785
10/31/2012 21:20	37.612	16.916
10/31/2012 21:25	38.005	17.048
10/31/2012 21:30	37.612	17.178
10/31/2012 21:35	37.128	17.307
10/31/2012 21:40	38.429	17.440
10/31/2012 21:45	37.210	17.570
10/31/2012 21:50	37.512	17.700
10/31/2012 21:55	35.980	17.825
10/31/2012 22:00	37.709	17.956
10/31/2012 22:05	35.994	18.081

10/31/2012 22:10	37.190	18.210
10/31/2012 22:15	36.827	18.338
10/31/2012 22:20	35.643	18.462
10/31/2012 22:25	36.475	18.588
10/31/2012 22:30	36.410	18.715
10/31/2012 22:35	37.093	18.843
10/31/2012 22:40	35.637	18.967
10/31/2012 22:45	36.865	19.095
10/31/2012 22:50	36.132	19.221
10/31/2012 22:55	35.552	19.344
10/31/2012 23:00	35.651	19.468
10/31/2012 23:05	35.933	19.593
10/31/2012 23:10	35.634	19.716
10/31/2012 23:15	35.042	19.838
10/31/2012 23:20	35.168	19.960
10/31/2012 23:25	34.825	20.081
10/31/2012 23:30	34.016	20.199
10/31/2012 23:35	34.060	20.317
10/31/2012 23:40	34.813	20.438
10/31/2012 23:45	34.462	20.558
10/31/2012 23:50	33.858	20.676
10/31/2012 23:55	34.218	20.794
11/1/2012	33.583	20.911
11/1/2012 0:05	33.890	21.029
11/1/2012 0:10	33.565	21.145
11/1/2012 0:15	34.025	21.263
11/1/2012 0:20	33.876	21.381
11/1/2012 0:25	33.251	21.496
11/1/2012 0:30	33.676	21.613
11/1/2012 0:35	32.616	21.727
11/1/2012 0:40	33.788	21.844
11/1/2012 0:45	32.762	21.958
11/1/2012 0:50	33.612	22.074
11/1/2012 0:55	32.753	22.188
11/1/2012 1:00	32.744	22.302
11/1/2012 1:05	32.328	22.414
11/1/2012 1:10	31.634	22.524
11/1/2012 1:15	32.994	22.638
11/1/2012 1:20	31.185	22.747
11/1/2012 1:25	32.167	22.858
11/1/2012 1:30	31.171	22.967
11/1/2012 1:35	31.273	23.075
11/1/2012 1:40	30.391	23.181
11/1/2012 1:45	30.898	23.288
11/1/2012 1:50	29.609	23.391
11/1/2012 1:55	30.400	23.496
11/1/2012 2:00	30.087	23.601

11/1/2012 2:05	29.448	23.703
11/1/2012 2:10	29.102	23.804
11/1/2012 2:15	28.618	23.904
11/1/2012 2:20	28.484	24.002
11/1/2012 2:25	29.055	24.103
11/1/2012 2:30	29.243	24.205
11/1/2012 2:35	28.967	24.305
11/1/2012 2:40	28.595	24.405
11/1/2012 2:45	28.654	24.504
11/1/2012 2:50	28.211	24.602
11/1/2012 2:55	28.006	24.699
11/1/2012 3:00	26.731	24.792
11/1/2012 3:05	27.350	24.887
11/1/2012 3:10	27.018	24.981
11/1/2012 3:15	26.843	25.074
11/1/2012 3:20	26.948	25.168
11/1/2012 3:25	26.998	25.262
11/1/2012 3:30	25.902	25.351
11/1/2012 3:35	25.624	25.440
11/1/2012 3:40	25.966	25.531
11/1/2012 3:45	25.190	25.618
11/1/2012 3:50	25.339	25.706
11/1/2012 3:55	25.257	25.794
11/1/2012 4:00	25.328	25.882
11/1/2012 4:05	24.645	25.967
11/1/2012 4:10	24.721	26.053
11/1/2012 4:15	24.103	26.137
11/1/2012 4:20	24.158	26.221
11/1/2012 4:25	23.807	26.303
11/1/2012 4:30	23.646	26.385
11/1/2012 4:35	23.575	26.467
11/1/2012 4:40	23.558	26.549
11/1/2012 4:45	23.593	26.631
11/1/2012 4:50	22.520	26.709
11/1/2012 4:55	23.018	26.789
11/1/2012 5:00	22.878	26.869
11/1/2012 5:05	22.722	26.947
11/1/2012 5:10	22.394	27.025
11/1/2012 5:15	22.816	27.104
11/1/2012 5:20	22.426	27.182
11/1/2012 5:25	22.110	27.259
11/1/2012 5:30	22.573	27.337
11/1/2012 5:35	22.303	27.415
11/1/2012 5:40	21.829	27.491
11/1/2012 5:45	21.805	27.566
11/1/2012 5:50	21.890	27.642
11/1/2012 5:55	21.917	27.718

11/1/2012 6:00	21.694	27.794
11/1/2012 6:05	21.345	27.868
11/1/2012 6:10	21.260	27.942
11/1/2012 6:15	21.102	28.015
11/1/2012 6:20	21.219	28.089
11/1/2012 6:25	21.246	28.162
11/1/2012 6:30	21.430	28.237
11/1/2012 6:35	21.533	28.312
11/1/2012 6:40	21.556	28.386
11/1/2012 6:45	21.887	28.462
11/1/2012 6:50	21.500	28.537
11/1/2012 6:55	21.714	28.613
11/1/2012 7:00	21.978	28.689
11/1/2012 7:05	22.177	28.766
11/1/2012 7:10	21.984	28.842
11/1/2012 7:15	21.779	28.918
11/1/2012 7:20	22.350	28.995
11/1/2012 7:25	22.309	29.073
11/1/2012 7:30	21.823	29.149
11/1/2012 7:35	21.937	29.225
11/1/2012 7:40	21.940	29.301
11/1/2012 7:45	21.509	29.376
11/1/2012 7:50	21.489	29.450
11/1/2012 7:55	8.601	29.480
11/1/2012 8:00	0.073	29.480
11/1/2012 8:05	0.000	29.480
11/1/2012 8:10	22.271	29.558
11/1/2012 8:15	45.334	29.715
11/1/2012 8:20	38.957	29.850
11/1/2012 8:25	28.495	29.949
11/1/2012 8:30	24.003	30.033
11/1/2012 8:35	23.766	30.115
11/1/2012 8:40	23.857	30.198
11/1/2012 8:45	24.158	30.282
11/1/2012 8:50	24.478	30.367
11/1/2012 8:55	24.818	30.453
11/1/2012 9:00	24.531	30.538
11/1/2012 9:05	24.982	30.625
11/1/2012 9:10	25.064	30.712
11/1/2012 9:15	26.072	30.803
11/1/2012 9:20	26.031	30.893
11/1/2012 9:25	25.902	30.983
11/1/2012 9:30	26.078	31.073
11/1/2012 9:35	25.823	31.163
11/1/2012 9:40	26.582	31.255
11/1/2012 9:45	26.863	31.349
11/1/2012 9:50	27.326	31.444

11/1/2012 9:55	28.041	31.541
11/1/2012 10:00	27.983	31.638
11/1/2012 10:05	28.378	31.737
11/1/2012 10:10	27.698	31.833
11/1/2012 10:15	27.859	31.930
11/1/2012 10:20	28.126	32.027
11/1/2012 10:25	27.915	32.124
11/1/2012 10:30	28.862	32.224
11/1/2012 10:35	28.551	32.323
11/1/2012 10:40	29.304	32.425
11/1/2012 10:45	29.676	32.528

**Influent Flows at Bergen Point WWTP:
10/31/2012**

Date/Time	Influent Flow 0101F MGD	Influent 0101F Totalized MGD
11/1/2012 10:50	29.788	0.103
11/1/2012 10:55	29.480	0.206
11/1/2012 11:00	30.300	0.311
11/1/2012 11:05	30.796	0.418
11/1/2012 11:10	30.427	0.524
11/1/2012 11:15	31.238	0.632
11/1/2012 11:20	30.596	0.738
11/1/2012 11:25	31.892	0.849
11/1/2012 11:30	32.229	0.961
11/1/2012 11:35	32.287	1.073
11/1/2012 11:40	31.039	1.181
11/1/2012 11:45	32.191	1.293
11/1/2012 11:50	31.903	1.403
11/1/2012 11:55	32.812	1.517
11/1/2012 12:00	32.847	1.631
11/1/2012 12:05	32.976	1.746
11/1/2012 12:10	34.336	1.865
11/1/2012 12:15	33.665	1.982
11/1/2012 12:20	33.849	2.099
11/1/2012 12:25	34.807	2.220
11/1/2012 12:30	34.816	2.341
11/1/2012 12:35	34.005	2.459
11/1/2012 12:40	35.306	2.582
11/1/2012 12:45	35.569	2.705
11/1/2012 12:50	36.478	2.832
11/1/2012 12:55	35.921	2.957
11/1/2012 13:00	36.196	3.082
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11/1/2012 13:10	36.082	3.331
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11/1/2012 14:15	37.805	5.028

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11/1/2012 16:50	36.721	9.105
11/1/2012 16:55	36.616	9.232
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11/2/2012 6:00	18.608	25.575
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11/2/2012 7:55	19.739	27.055
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11/2/2012 8:35	20.803	27.622
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11/2/2012 9:45	24.853	28.742
11/2/2012 9:50	25.691	28.831

11/2/2012 9:55	25.568	28.920
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11/2/2012 10:40	27.859	29.756
11/2/2012 10:45	28.246	29.854

King, Thomas J (STORMRECOVERY)

From: King, Thomas J (STORMRECOVERY)
Sent: Tuesday, November 04, 2014 10:21 PM
To: 'Clark, Maria'
Cc: Shirley, Lori (NYSHCR); Greene, Daniel (STORMRECOVERY)
Subject: RE: Environmental Assessment Heads Up
Attachments: FEPS Motors.pdf; FEPS VFDs.pdf

Hello Maria,

In response to your email below I am pleased to inform you that the final effluent pumps proposed for installation at the Bergen Point Facility are indeed high efficiency pumps. Additionally, the existing eddy current drives are being replaced by more efficient VFDs. Please see the attachments for more details.

With regard to sea level rise projections and how they affect the Bergen Point Facility, please note that the New York State Environmental Facilities Corporation has established elevation requirements for projects being financed through the Storm Mitigation Loan Program, such as this project, funded by the Disaster Relief Appropriations Act of 2013. These elevation requirements take into consideration sea level rise and tidal changes. The elevation requirements for critical components located in an area subject to tidal change or sea level rise is the greater of: the 100-year flood elevation plus 5 feet; the Sandy high water mark plus 4 feet; or the 500-year flood elevation. The improvements to Bergen Point Facility will meet these elevation requirements.

Thank you and please let us know if you have any additional comments or questions. We here at GOSR value the thoughtful feedback that you and your colleagues at EPA so generously provide.

Sincerely,
Tom King
Legal Counsel and Certifying Environmental Officer
Governor's Office of Storm Recovery
99 Washington Avenue Suite 1224
Albany, New York 12231
Office: (518) 486-7512
Mobile: (646) 417-4660

From: Clark, Maria [mailto:Clark.Maria@epa.gov]
Sent: Tuesday, October 28, 2014 1:19 PM
To: King, Thomas J (STORMRECOVERY)
Cc: Shirley, Lori (NYSHCR); Greene, Daniel (STORMRECOVERY); Clark, Maria
Subject: RE: Environmental Assessment Heads Up
Importance: High

Hello Tom,

Thank you for sending us the information in advance, although Grace was out on vacation and I was traveling. We do have a few comments in regards to this project that probably will apply to other projects of this kind.

As we understand, the project proposal consists of the renovation and rehabilitation of the final effluent pump station for the Bergen Point Wastewater Treatment Plant (WWTP) located at 600 Bergen Avenue on Bergen Point along the Great South Bay in West Babylon, Suffolk County, New York.

The project's specifics mention the installation of one new electric-powered 40 MGD effluent pump, the replacement of three existing 45 MGD electric pumps with new 40 MGD pumps, as well as the replacement of existing valves and discharge and suction piping. The proposed project would be carried out within the building that houses the existing final effluent pump station structure. The final effluent pump station is currently designed for an average daily design flow of 30.5 MGD; this is being increased to 40.5 MGD, and its peak flow capacity increased from 90 MGD to 120 MGD.

We are not clear whether consideration was given to replacing the existing pumps with high efficiency pumps having an improved power factor; and installing variable frequency drives (VFDs) on the pumps to reduce energy consumption.

Our question is: do the pumps receive variable flows throughout a 24-hour cycle? If the answer is yes, then, they are well suited for VFDs. VFDs can increase system energy efficiency by providing a means to reduce the motor speed of variable torque loads. Replacing the pumps is estimated to result in an energy savings of 43% compared to existing outdated pumps. The energy savings by using VFDs on two five-horsepower pumps running for eight hours a day is estimated at \$912 annually. The capital cost for the VFDs is \$45,000. <http://www.mde.state.md.us/programs/Water/QualityFinancing/Documents/Business%20Case%20Jan%202012.pdf>.

Additionally, even though the document noted that the plant is not located within the 100- or 500-year floodplain, and that the Bergen Point Plant escaped relatively untouched by Hurricane Sandy, this plant and other facilities in the region are close to sea level and are vulnerable to storm surges. Every project should take into account sea level rise projections and climate change and incorporate feasible adaptation measures. http://www.epa.gov/reg3wapd/pdf/pdf_drinking/Region3_%20Climate%20Change%20Mitigation%20and%20Adaptation%20Fact%20Sheets_Draft_082213.pdf

Thank you so much again for the opportunity to review this project. Please contact me anytime if you have questions.
Have a wonderful week!



From: King, Thomas J (STORMRECOVERY) [<mailto:Thomas.King@stormrecovery.ny.gov>]
Sent: Wednesday, October 15, 2014 11:16 AM
To: Clark, Maria; Musumeci, Grace
Cc: Shirley, Lori (NYSHCR); Greene, Daniel (STORMRECOVERY)
Subject: Environmental Assessment Heads Up

Good Morning Maria and Grace!

I wanted to give you heads up on this EA that we are slated to FONSI this Friday to give you a little extra time to comment. I've attached the draft EA document here. This is a candidate project that is expected to pursue CWSRF funding through the Disaster Relief Appropriations Act of 2013 and is currently listed on NY's CW Intended Use Plan with a priority score sufficient to capture this funding with the submission of a complete application by the requisite deadline and meeting all other requirements. I don't anticipate that you will have any comments given the nature of the project, but wanted to give you enough time to review just in case. Thank, and have a nice day!

Sincerely,

Tom King

Legal Counsel and Certifying Environmental Officer

Governor's Office of Storm Recovery

99 Washington Avenue Suite 1010

Albany, New York 12231

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