

Appendix B: Report Tables

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TABLE 1: Municipalities Served by the Sayreville Pump Station

MIDDLESEX COUNTY		
Cranbury	Metuchen	Piscataway
Dunellen	Middlesex	Plainsboro
East Brunswick	Milltown	Sayreville
Edison	Monroe	South Brunswick
Helmetta	New Brunswick	South Plainfield
Highland Park	North Brunswick	South River
Jamesburg	Old Bridge	Spotswood
SOMERSET COUNTY		
Bound Brook	Green Brook	Warren
Bridgewater	North Plainfield	Watchung
Franklin	South Bound Brook	
UNION COUNTY		
Fanwood	Plainfield	Scotch Plains

TABLE 2: Rare Wildlife Species on the Project Site (Natural Heritage)

Common Name	Scientific Name	Feature Type	State Protection Status
Bald Eagle	Haliaeetus leucocephalus	Foraging	State Endangered
Northern Harrier	Circus cyaneus	Breeding Sighting	State Endangered
Northern Harrier	Circus cyaneus	Nest	State Endangered
Northern Harrier	Circus cyaneus	Non-breeding Sighting	Special Concern
Osprey	Pandion haliaetus	Foraging	State Threatened
Osprey	Pandion haliaetus	Nest	State Threatened
Yellow-crowned Night-heron	Nyctanassa violacea	Foraging	State Threatened

TABLE 3: Rare Wildlife Species on the Project Site (NJ-GeoWeb)

Common Name	Scientific Name	Feature Type	State Protection Status	Species Occurrence Area Count	Last Observation Year
Osprey	Pandion haliaetus	Nest	State Threatened	1	2007

TABLE 4: Demographics¹ for the Sayreville Pump Station

Item:	Value:
Pop. Density (People/sq mi)	1057.078
Per Capita Income	40860
Below Poverty (%)	2.905
Education <12G (%)	3.694
HS Diploma Only (%)	29.275
College Degree (%)	47.196
Age < 18 years (%)	17.693
Homes pre-1950 (%)	20.16807
Speak English < Well (%)	2.432
Female (%) by Blockgroup:	52.297
Rental Units (%)	11.079
Minority (%) by Blockgroup:	49.56

1. Demographics (ACS) 2010 for Blockgroup ID 340230071013

TABLE 5: Summary of Potential Environmental Impacts and Mitigation

Affected Environment/ Resource Area	Potential Impacts			Agency/ Permits	Mitigation
	No Action Alternative	Proposed Alternative Perimeter Flood Wall and Standby Power Resiliency	Other Action Alternative Restore to Pre-disaster Conditions		
Geology and Soils	No impact.	No significant impact. Soil to be disturbed during construction.	No impact.	Freehold Soil Conservation District/SESC Certification	Best management practices for erosion and sediment control.
Air Quality	No significant impact. Odors during a flood event or Pump Station failure caused by raw sewage release.	No significant impact. Temporary dust and emissions due to construction. Short term emissions from standby generator operation and exercise.	No significant impact. Restoration activities may temporarily increase dust and emissions. Odors during a flood event caused by raw sewage release.	NJDEP/Air Permit	Best management practices and compliance with air permitting regulations.
Surface/Groundwater Quality, Quantity and Hydrology	Adverse impact to surface water with loss of operations and raw sewage release into local waterways. Adverse impacts to groundwater recharge area with potential groundwater contamination.	Positive impact due to protection of the groundwater recharge area and surface water from mitigation against future flood events. No significant impact to groundwater flow.	Adverse impact to surface water with loss of operations and raw sewage release into local waterways. Adverse impacts to groundwater recharge area with potential groundwater contamination.		
Floodplains	Adverse impacts associated with continued floodplain occupancy.	Adverse impacts associated with continued floodplain occupancy.	Adverse impacts associated with continued floodplain occupancy.		The perimeter flood wall minimizes the impacts associated with allowing the
Wetlands	Adverse impacts with releases of raw sewage into adjacent wetlands degrading wetland quality and altering cycling of nutrients.	Minor impact to small area of freshwater wetlands transition zone.	Adverse impacts with releases of raw sewage into adjacent wetlands degrading wetland quality and altering cycling of nutrients.	NJDEP/ Freshwater Wetlands Permits	Wetlands Transition Area Averaging as per Freshwater Wetlands Protection Act.
Vegetation	No impact.	No significant impact.	No impact.	Tree Removal Permit	Mitigation of tree removal by replanting trees taken down during construction.
Wildlife and Fish	Adverse impacts with releases of raw sewage into environment affecting habitat and/or fish or wildlife directly.	No impact.	Adverse impacts with releases of raw sewage into environment affecting habitat and/or fish or wildlife directly.		
Threatened and Endangered Species and Critical Habitat	Adverse impacts with releases of raw sewage into environment affecting habitat and/or fish or wildlife directly.	No impact.	Adverse impacts with releases of raw sewage into environment affecting habitat and/or fish or wildlife directly.		
Cultural	No impact.	No impact.	No impact.	NJSHPO	
Aesthetic Resources	No impact.	Moderate impact on residential neighborhood character and viewshed with construction of Elevation 21.0 perimeter flood wall.	No impact.		Will include public input for perimeter flood wall aesthetics and plant vegetation to help hide the wall.
Environmental Justice	Adverse impact to downstream minority and low-income populations with release of untreated sewage into waterways.	No impact.	Adverse impact to downstream minority and low-income populations with release of untreated sewage into waterways.		
Hazardous Material	No impact.	No impact.	No impact.		Best management practices.
Noise	No significant impact. Noise levels would temporarily increase in the event of flood or Pump Station failure.	No significant impact. Temporary construction noise.	No significant impact. Noise levels would temporarily increase in the event of flood.		Best management practices and compliance with local ordinances.
Traffic	No significant impact. Traffic levels would temporarily increase in the event of flood or failure.	No significant impact. Short-term increase in traffic during construction.	No significant impact. Traffic levels would temporarily increase in the event of flood.		
Public Service and Utilities	Adverse impacts with the loss of operations during flood events or Pump Station failure.	Positive impact due to increased system and service resiliency.	Adverse impacts with the loss of operations during flood events.		
Public Health and Safety	Adverse impacts with the loss of operations during flood events or Pump Station failure and raw sewage releases into local waterways.	Positive impact due to increased system and service resiliency.	Adverse impacts with the loss of operations during flood events and raw sewage releases into local waterways.		
Cumulative Impacts	Adverse impacts to the environment and community after repeated flood events and/or Pump Station Failure and raw sewage releases.	No adverse cumulative impacts.	Adverse impacts to the environment and community after repeated flood events and raw sewage releases.		