## New Shoreham Wastewater Treatment Facility - CLIMATE VULNERABILITY SUMMARY

New Shoreham WWTF is located at 252 Spring Street in New Shoreham (Block Island). It serves approximately 300-700 customers during the winter and approximately 4,000 customers during the summer. Additional information is on the back of this summary.





## **NEW SHOREHAM, RI - CLIMATE VULNERABILITY SUMMARY**



## FACILITY SUMMARY

SSO Events 2010 - 2014

Owner	Town of New Shoreham		
Operator	Town of New Shoreham		
Facility Address	252 Spring Street New Shoreham, RI 02807		
Contact Name	Chris Blane, Superintendent		
Phone	401.466.3231		
Design Flow Capacity	0.3 MGD		
Average Daily Flow	0.2 MGD Summer / 0.05 MGD Winter		
Receiving Water	Rhode Island Sound		
Extreme Weather Related			

None reported

Transportation vessels supplying the island terminate operation approximately 72 hours prior to major storm events, isolating the island so the facility stores chlorinating/ dechlorinating chemicals and sodium hydroxide for alkalinity adjustment on-site, and maintains a stock of lime for back-up alkalinity adjustment.

The facility has two old rectangular clarifiers used to hold press filtrate; in the winter time these tanks can hold up to 2 days' worth of influent flow in case of system failure.

The treatment facility isolates itself from the power grid under winds exceeding 45 mph; power is cut off at the grid at 75 mph.

ADAPTIVE STRATEGIES (SEE REPORT FOR COMPLETE LIST)					
SYSTEM	Hardening	Readily Repairable/ Replaceable	Bypass	Mitigation Strategy	
Preliminary Treatment (Screening / Grit Removal)				Unneccessary or low priority	
Aeration Tanks				Unneccessary or low priority	
Secondary Clarifiers		А		Store replacement drive components on site.	
Old Harbor (Main) PS	В		A	Modify structure to withstand wave impact and elevate building penetrations. Establish station shutdown plan for implementation during conditions of seawater inundation.	
Ocean Avenue #1 PS	A			Elevate control panels above grade.	
Ocean Avenue #2 PS	А			Elevate control panels above grade.	

A = < \$50,000 B = \$50,000 to \$250,000 C = \$250,000 - \$1,000,000 D = > \$1,000,000