

Burrillville Wastewater Treatment Facility - CLIMATE VULNERABILITY SUMMARY



The Burrillville WWTF is located at 141 Clear River Drive in Burrillville. It treats an average of 0.83 million gallons of wastewater per day in dry weather, serving approximately 9,700 customers in the community. Additional information is on the back of this summary.



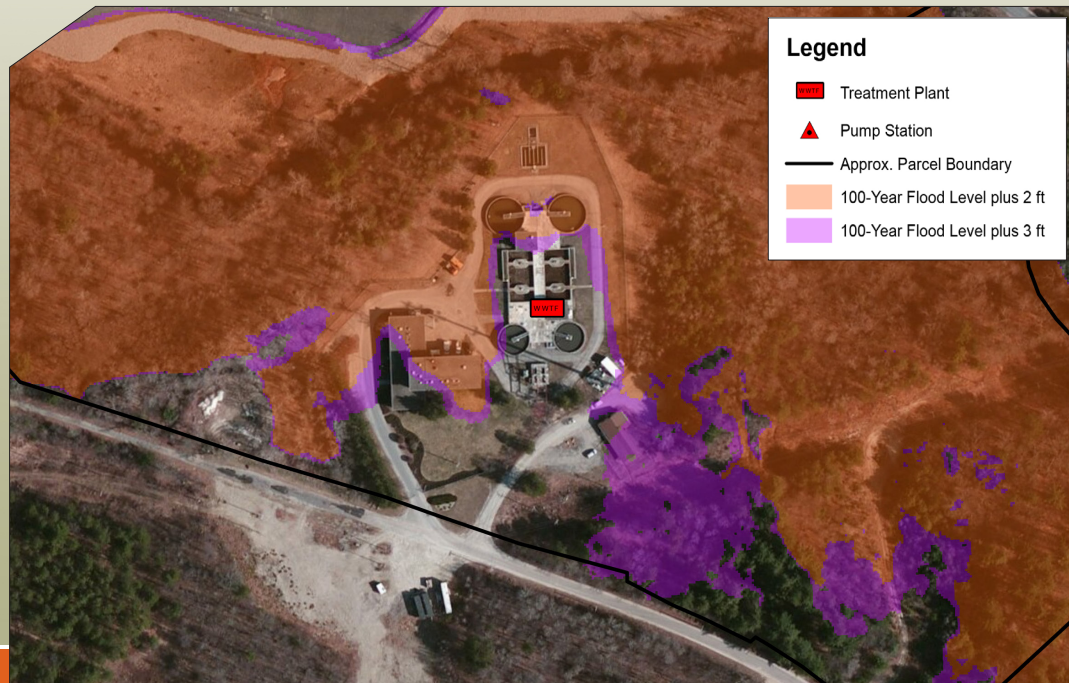
TOP 2 HAZARD MODELING RESULTS



Partial inundation of the facility at the 100-year level plus 2 feet. Water depth would be about 1 foot at access road between chlorine contact tanks.



School Street Ejector Station and Beach Road Ejector Station would be inundated at the 100-year level plus 2 feet.



BURRILLVILLE, RI - CLIMATE VULNERABILITY SUMMARY

FACILITY SUMMARY	
Owner	Town of Burrillville
Operator	Town of Burrillville
Facility Address	141 Clear River Drive Burrillville, RI 02830
Contact Name	John Martin, Superintendent
Phone	401.568.9463
Design Flow Capacity	1.5 MGD
Average Daily Flow	0.83 MGD
Receiving Water	Clear River
Extreme Weather Related SSO Events 2010 - 2014	None reported

Rock Avenue and Beach Road ejector stations lack permanent back-up power.

School Street ejector station is often not accessible during rain events because of roadway flooding

ADAPTIVE STRATEGIES (SEE REPORT FOR COMPLETE LIST)					
SYSTEM	Hardening	Relocating	Readily Repairable/ Replaceable	Redundancy	Mitigation Strategy
Primary Clarifiers	B		A	B	Store replacement drive components on-site. Protect entrances with flood barriers. Replace sludge pumps with submersibles. Pumps may be temporarily augmented.
Aeration Tanks			B		Store replacement drive components on-site.
Disinfection System (Chlorine Contact Tanks)	A				Protect building with flood barriers and elevate critical equipment.
Operations / Chemical / Generator Building	A				Protect building with flood barriers and elevate critical equipment.
Beach Road ES		C		B	Provide permanent back-up power. Relocate ES when existing equipment reaches the end of its useful life.

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