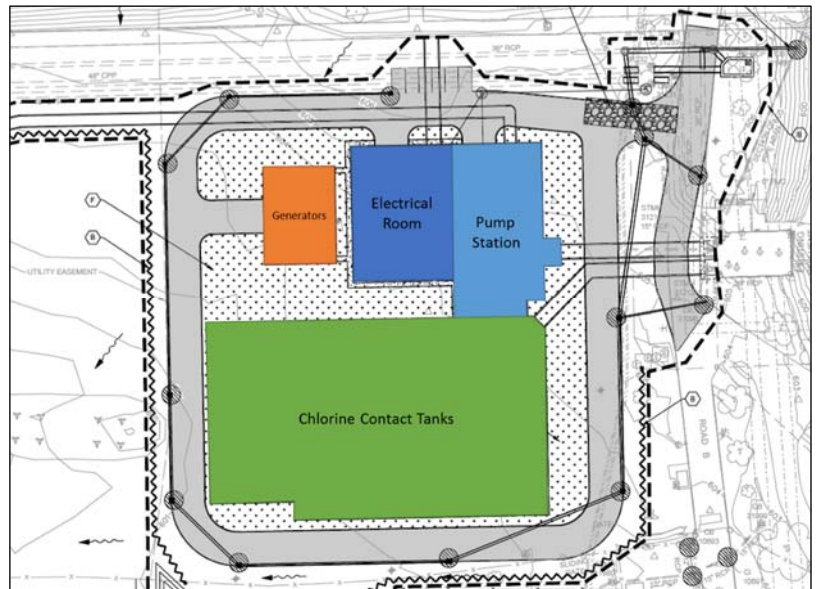


SOUTHERLY OPTIMIZED PARALLEL TREATMENT PROJECT

DESCRIPTION

The Southerly Wastewater Treatment Center Optimized Parallel Treatment project (SOPT) is part of Project Clean Lake, a \$3B, 25-year program NEORSRSD began in 2011 designed to meet Clean Water Act standards and address water quality issues. The SOPT project will increase wet weather treatment capacity in order to maximize treatment and minimize pollutant discharge during severe storm events on the southern side of the NEORSRSD’s service area. Project Clean Lake will also use other treatment plant and collection system improvements to reduce the 4.5 Billion Gallons of wet weather combined sewer overflows (CSOs) released into Lake Erie and its tributaries in the Greater Cleveland area.

First stage treatment will be separated from second stage treatment in order to increase treatment capacity from 400 MGD to 615 MGD, providing an additional 215 MGD of treatment during wet weather. SOPT will include a new first stage effluent pump station and chlorine contact tanks for disinfection as shown in the diagram at right. The anticipated project schedule is shown below.



Southerly First Stage Effluent Pump Station and Chlorine Contact Tanks

PROJECT BENEFITS

The SOPT system will provide:

- Improved water quality in the Cuyahoga River;
- A reduction in public health risks associated with CSOs;
- A cleaner Lake Erie for drinking water, boating, beach-going and other recreational purposes; and
- Wet weather flood relief mitigation.

SOPT Project Schedule							
Project Phase	Year						
	2015	2016	2017	2018	2019	2020	2021
Design		■	■	■			
Bidding				■			
Construction					■	■	■

CONSTRUCTION COST: \$73 Million (Est.)

STATUS: 90% Design expected in July 2017; Construction Award expected Q4 2017