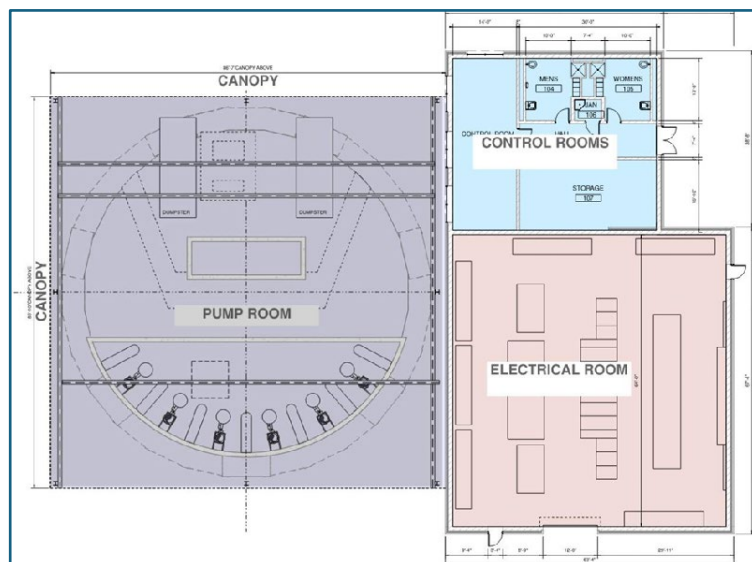


Southerly Tunnel Dewatering Pump Station



ABOUT THE PROJECT

The Southerly Tunnel Dewatering Pump Station project (STDPS) is associated with the Southerly Storage Tunnel and Consolidation project (SOTC), and is part of Project Clean Lake, a \$3B, 24-year program NEORSD began in 2011 designed to meet Clean Water Act standards and address water quality issues. STDPS is at the downstream end of the Southerly Tunnel and will dewater the tunnel for treatment at the Southerly Wastewater Treatment Center after the storms have passed. The SOTC/STDPS system is the 6th of seven new large diameter tunnel systems and other

projects that the NEORSD will use to reduce the over 4 Billion Gallons of wet weather combined sewer overflows (CSOs) released into Lake Erie and its tributaries in the Greater Cleveland area.

The STDPS is planned to be a submersible pump station with a firm dewatering rate of 56 MGD. With its six tunnel dewatering pumps in the 180-ft deep, 65-ft diameter station, it will send CSOs stored in SOT to the existing treatment plant via the nearby Southwest Interceptor. A conceptual design configuration of the pump station is shown in the figure.

PROJECT BENEFITS

- 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.

PROJECT COST AND TIMELINE

Construction cost is estimated to be \$55,000,000 and Preliminary Design activities are complete, Detailed Design has commenced and will conclude in November 2025, Construction Award expected July 2026.

STDPS Project Schedule																											
Project Phase	2023			2024			2025			2026			2027			2028			2029			2030					
Pre-Design																											
Design																											
Bidding																											
Construction																											