

PEIRCE ISLAND WWTF UPGRADE PROJECT Dedication Ceremony - July 13, 2021



INTRODUCTION

Construction of the Peirce Island Wastewater Treatment Facility (WWTF) Upgrade Project is complete after four and half years of construction. The project included complete reconstruction of the facility with a new Headworks Building, Solids Building, Biological Aerated Filter Building, Electrical Building, Standby Generator, Gravity Thickener and Operations/Lab Building. Renovations were completed to the Grit Building and Grit Tanks.

The completed facility has significantly improved the quality of treated wastewater effluent discharged to the Piscataqua River.

SITE PLAN



PROJECT FACTS

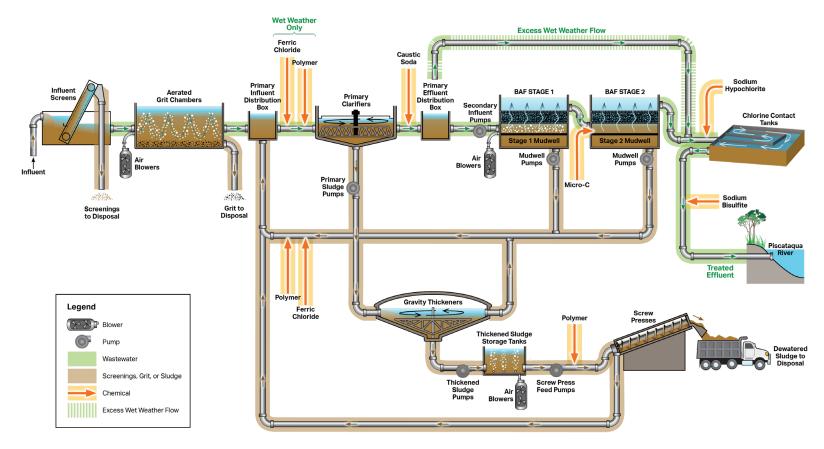
- Largest Capital Improvement Project in the City's history
- C Construction commenced in September 2016
- Total Project Cost: \$92 million NH State Revolving Fund Loan: \$81.9 million
- Number of public meetings: Prior to construction: > 40 During construction: > 50 Weekly construction meetings: > 200
- Construction Progress Tours: 7
- New buildings or tanks constructed: 5
- C Total number of construction trucks: 13,500 round trips
- Amount of rock removed: over 14,400 cubic yards
- Amount of concrete placed: over 13,500 cubic yards
- Amount of reinforcing steel installed: over 3,400,000 pounds
- Typical number of construction staff on-site daily: 70 - 80
- Amount of utility pipe installed: over 3 miles

VIRTUAL TOUR OF PEIRCE ISLAND WWTF

Scan the QR code with your mobile device to view video.

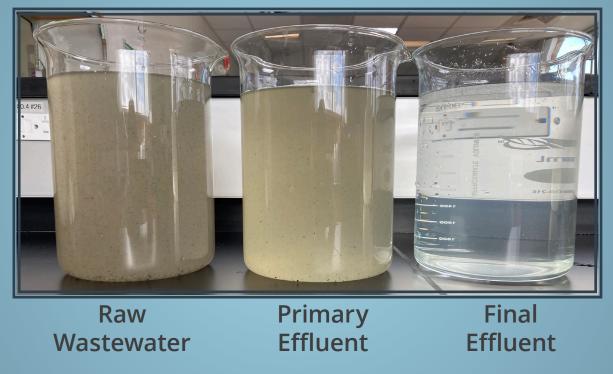


PROCESS FLOW DIAGRAM



City of Portsmouth, NH Peirce Island Wastewater Treatment Facility Process Flow Diagram

EFFLUENT WATER QUALITY



Department of Public Works | cityofportsmouth.com/publicworks/wastewater/peirce-island-wastewater-facility