



PEIRCE ISLAND WWTF UPGRADE PROJECT

PUBLIC TOUR - JUNE 2019



INTRODUCTION

The Peirce Island Wastewater Treatment Facility (WWTF) Upgrade Project has entered its fourth calendar year of construction. The new Headworks Building, standby generator and electrical service are now online. Portions of the Grit Building are also online. Significant work continues on the Grit Building, the Biological Aerated Filter (BAF) Building and the Solids Building. Future work will include construction of the new Operations/Lab Building.

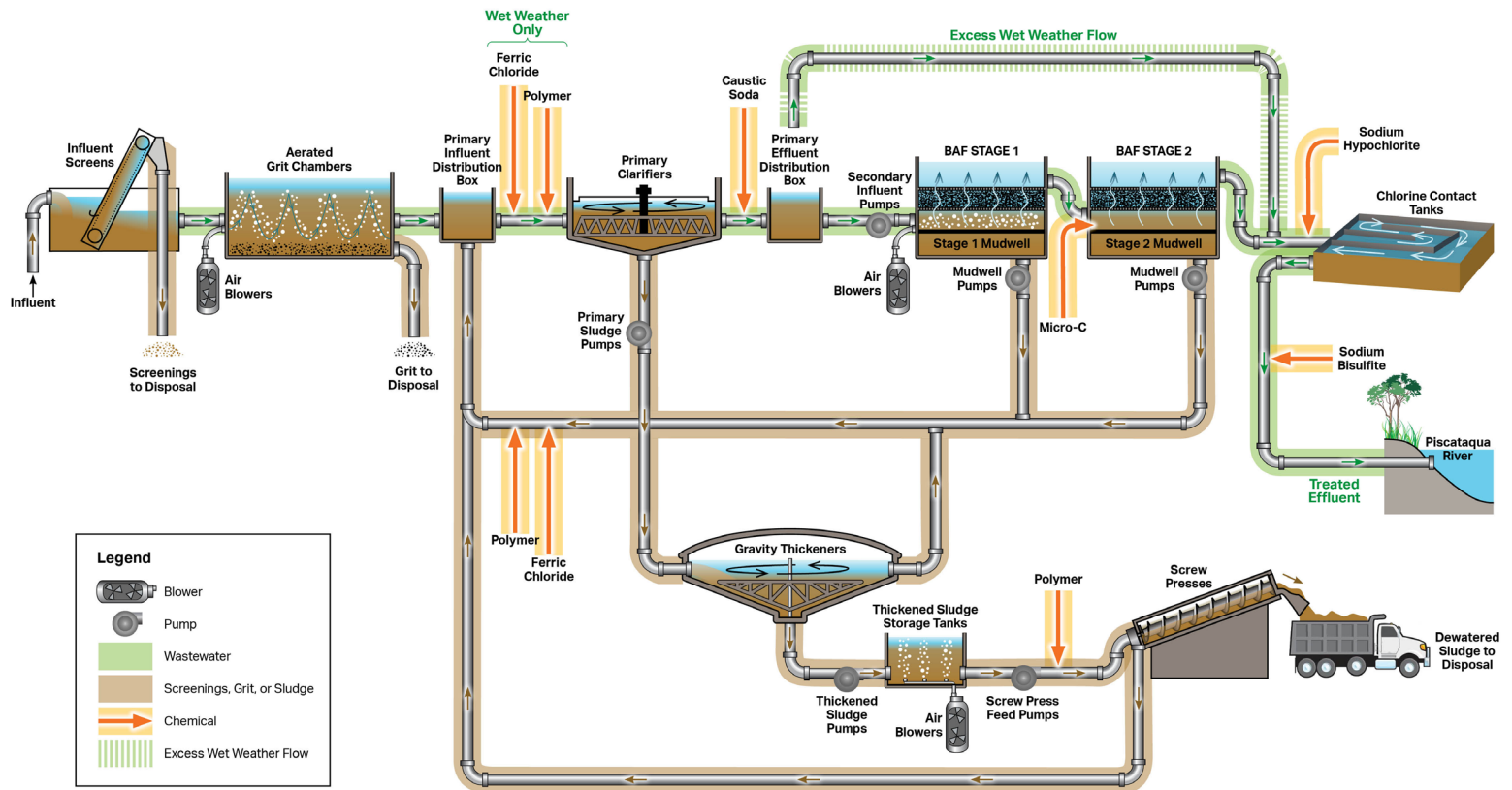
PROJECT FACTS

- ✓ Construction commenced in September 2016
- ✓ Construction cost expended as of 5/31/2019: \$59,779,446.37
- ✓ Percent completed: 67.3% by time & 80.1% by cost
- ✓ Area of WWTF site: 3.7 acres
- ✓ New buildings or tanks to be constructed: 5
- ✓ Total number of construction trucks to date: 11,000 round trips
- ✓ Maximum number of trucks in 1 day to date: 75 round trips
- ✓ Amount of rock removed for the BAF: 9,800 cubic yards
- ✓ Amount of concrete placed: 13,500 cubic yards
- ✓ Amount of reinforcing steel installed: over 3,400,000 lbs.
- ✓ Number of construction staff on-site daily: 70 - 80
- ✓ Amount of utility pipe installed to date: 3 miles

PROJECT SCHEDULE MILESTONES

MILESTONES	DEADLINE	STATUS
Consent Decree Second Modification 09-cv-283-PB		
Executed Contract to Construct Upgrades	09/01/2016	08/25/2016
Submit Two Additional Milestones for EPA Review and Approval	12/01/2016	11/29/2016
Addn Milestone 1: Transfer existing SCADA system to the new Headworks Building	11/21/2017	10/18/2017
Addn Milestone 2: Start-up & Testing of Secondary Influent Pump Station in new Solids Building	05/09/2019	05/07/2019
BAF Substantial Completion	12/01/2019	On Schedule
Achieve Compliance with NPDES Permit Limits	04/01/2020	
Substantial Completion	06/30/2020	
Final Completion	09/29/2020	

PROCESS FLOW DIAGRAM AT COMPLETION



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

EQUIPMENT OPERATIONS STARTUP SCHEDULE



PROJECT CONTRACT VALUE

Original Contract	\$72,785,545.00
Change Order 1 01-2017	367,290.42
Change Order 2 05-2017	546,722.46
Change Order 3 08-2017	93,838.31
Change Order 4 12-2017	162,869.20
Change Order 5 05-2018	249,828.16
Change Order 6 12-2018	292,031.11
Change Order 7 04-2019	169,138.30
Contract Total	\$ 74,667,262.96