

# Edisto Beach RO Plant & Support Equipment

## Progress Report

Report No. 3

January 17, 2019

Reported by: Arnold Ellison

1. Attended the January Progress Meeting where the following items were discussed:
  - a) Special Inspections for the RO plant should be identified by end of week so that the Town can issue a building permit.
  - b) Site grading is under way.
  - c) Well casings for wells 7 & 8 scheduled to be completed by end of February.
  - d) Application for Well 9 construction permit from DHEC is on 30 day notice.
2. Following the meeting I met with Sean Stanford, Brandon Campbell and Davis Riser of Wharton-Smith to discuss the schedule for the project. Information gained included:
  - a) Permits applied for are the building permit from the Town and well # 9 permit from DHEC that will be received in next 2 weeks.
  - b) The concentrate water main from the RO plant site to the beach will begin week of Jan 18, and should be completed in 5-6 weeks. There is some question about the start time for the outfall structure that will be resolved week of Jan 21.
  - c) The raw water mains will be installed following the installation of the concentrate main and will take about 5-6 weeks.
  - d) Well # 8 will be completed and ready for testing in May. This is not on a critical path.
  - e) Well # 7 cannot be placed into operation until the RO plant is operational since the power is provided through the RO plant.
  - f) The RO plant is the critical component of the project. The critical components are most affected by lead times. The table below shows the list of Long Delivery Items and projected delivery dates. They will make every effort to move these up as soon as the 100% design is available.

**Edisto Beach - RO WTP  
Long Lead Delivery Tracking**

<b>Item</b>	<b>Description</b>	<b>Exp. Approval/ Release</b>	<b>Act. Approval/ Release</b>	<b>Early Finish Delivery</b>
1	Harn RO Equipment	01/10/19	01/10/19	06/06/19
2	VTP Equipment	03/18/19		07/19/19
3	Chemical Feed Pumps	03/18/19		05/31/19
4	Well Pumps	11/09/18	11/09/18	05/08/19
5	Process Valves & Actuators	03/18/19		05/31/19
6	CDL Diffuser Detail	02/25/19		04/22/19
7	Slide Gate	03/18/19	01/18/19	06/10/19
8	Chemical Storage Tanks	04/01/19		05/31/19
9	Process Pipe & Supports	03/18/19		05/31/19
10	Precast Structural Concrete	02/28/19		04/23/19
11	Windows	03/18/19		05/31/19
12	Doors	03/18/19		05/31/19
13	OH Doors	03/18/19		05/31/19
14	PEMB & Roof	04/15/19		06/10/19
15	Structural Steel	05/13/19		08/09/19
16	Misc Metals	04/01/19		06/30/19
17	Casework	04/01/19		06/30/19
18	Architectural	06/10/19		08/31/19
19	Dock Lift	05/13/19		08/31/19
20	HVAC Equipment	04/01/19		06/30/19
21	Plumbing Fixtures	04/01/19		06/30/19
22	Diesel Generator	04/01/19		07/31/19
23	WTP Electrical MCC/VFD/Gear	04/01/19		07/31/19
24	WTP Lighting Package	04/01/19		06/30/19
25	WTP PLC Panel	05/13/19		09/09/19
26	WTP I&C / SCADA	05/13/19		09/09/19
27	Well Electrical Gear	04/01/19		07/31/19
28	Well I&C	04/01/19		06/30/19
29	SCE&G Utility Power TXFMR	04/01/19		05/06/19

**Edisto Beach - RO WTP  
 RO WTP Building  
 Milestones**

<b>Milestone Description</b>	<b>Early Start</b>	<b>Early Finish</b>
Pour Concrete Sump	02/07/19	02/19/19
Clearwell Slab	02/25/19	03/08/19
Clearwell Walls	03/11/19	04/19/19
Operating Floor	04/23/19	05/14/19
Masonry	04/30/19	06/20/19
Structural Steel - Building	05/20/19	05/24/19
Roof	05/28/19	06/10/19
Interior Build-out	06/21/19	09/13/19
Exterior Finishes	06/07/19	08/15/19
Mechanical Installations	06/18/19	09/17/19
Electrical & I&C	07/24/19	10/02/19
Startup, Commissioning, Test	10/03/19	10/23/19