

Edisto Beach RO Plant & Support Equipment

Progress Report

Report No. 29 July 26, 2019

Reported by: Arnold Ellison

1. Project inspection and the monthly progress meeting was performed Thursday, July 25, 2019.
 - a) RO Plant – The masonry work continued this week and all the exterior walls should be completed next week. When the block walls are completed the roof can then be installed.
 - b) Wet well inspection – Filling of the wet well with water has started. Testing by physical observation will continue next week. Any leaks found will be repaired by injection of a stop leak.
 - c) Generator and Wells –The concrete slabs for well #7 and the generator have been poured and plans for pouring the slab for well #8 will be next week. Electrical conduits and conductors will be installed next week for well #9. The pumps and piping to all 3 wells will be installed by the well driller when he returns within the next 2 weeks and the discharge piping will be install by W/S.
 - d) Results of the water quality testing for all 3 wells have been received and forwarded to T&H and to Harn for their evaluation. Well #8 is higher in dissolved solids, chlorides, sodium and conductivity that may require a reduction of blending when well #8 is in operation. A blend of one of the other wells with well #8 can lessen this problem.

2. Following the staff monthly progress meeting the contractor and Town staff met with the Town Water and Sewer Committee to give them an update on the progress.
 - a. We have received the Corp of Engineers permit for the ocean discharge.
 - b. We will be requesting a temporary permit from DHEC to use the concentrate disposal line to discharge the water from the 3 wells in performing the required 24-hour flow tests into the ocean.
 - c. The draw down and recovery rates of the 3 wells were better than expected and this has allowed us to reduce the well pumps sizes from 75 hp to 60 hp.

This has saved money in their purchase price and will use less energy to operate.

- d. The next milestone for the project is completion of the masonry walls by 7/26/19 and then the installation of the roof by 8/9/19. We are close (within one week) on both of these.