



City of Punta Gorda Shell Creek Water Treatment Plant Reverse Osmosis Addition

June 2019 Monthly Schedule CPM Update
Dated July 9, 2019





A. Work Completed During June 2019

- General Site
 - Continued maintenance of dewatering sedimentation pond & other SWPPP items.
 - Began installation of RCP storm piping at the new access road across the field.
 - Began gradework & swale grading at the new access road across the field.
- Production Wells
 - Installed pull boxes for FPL Primary Underground.
- Blend Basin
 - Completed installation of hatches & housekeeping pads on Blend Basin top.
 - Completed installation of Flow Meter Vault walls. (Placed 6/20/2019)
 - Completed installation of Flow Meter Vault top slab. (Placed 7/2/2019)
 - Installed sole plates for Vertical Turbine Pumps on top of the Blend Basin.
 - Began surface preparation for interior coatings of Blend Basin.
- RO Building
 - Completed masonry installation to hollow-core / double tee bearing points.
 - Completed housekeeping pads in building & containment areas.
 - Set embed crane support beams in RO Feed Pump Room.
 - Completed Cast-in-Place & masonry interior columns.
 - Installed temporary stabilization on the west & south sides of the RO building to allow crane & trucks access for hollow-core / double T installation.
 - Placed entrance canopy column foundations.
- Ground Storage Tank
 - Removed roof dome formwork, shoring, and decking.
 - Cleaned, patched, and prepared the interior and exterior of the ground storage tank.
 - Completed coatings on the interior & exterior top dome and interior walls.
 - Began coatings on the exterior walls.
- Degasifier
 - Chlorine Injection Vault coated and backfilled to grade.
 - Completed underground electric for degasifier.
 - Completed slab for the degasifier stack & set stack anchor bolts. (Completed 6/20/2019)
 - Completed remainder of degasifier SOG area. (Completed 7/2/2019)
 - Completed degasifier vessels & blowers housekeeping pads. (Completed 7/9/2019)
- Chlorine Building
 - No work completed due to redesign hold.



- Neutralization Pump Station
 - Completed interior Sauereisen coating of structure.
 - Installed top lid of precast structure.
- Yard Piping
 - Completed 30-inch Finish Water line from existing plant to Blend Basin.
 - Completed 24-inch Future connection at the Blend Basin.
 - Pressure tested 24-inch CRO from Degasifier to the Blend Basin. (Passed 6/27/2019)
 - Installed duct banks C, H, & I.
- Flow Meter Vaults
 - Placed lower slab at 20 inch FMV from the Filters to BB. (Placed 7/9/2019)

B. Work Planned for Next 30 Days

- General Site
 - Complete grading & drainage work at new access road.
- Production Wells
 - Install conduit to from well pumps and instruments to racks.
 - Demo existing piping and instrumentation at ASR #2 & #4.
- Blend Basin
 - Continue interior coatings of the Blend Basin.
 - Continue electrical rough in at Blend Basin & FM Vault.
 - Continue installation of 30"/12" FW pump headers to 30-inch CRO line.
 - Install In & Under Pipe at Permeate Pumps.
 - Receive & set the permeate transfer pumps.
- RO Building
 - Continue installation of precast hollow-core and double tees.
 - Install roof drains and HVAC curbs on RO Bldg roof.
 - Install Masonry parapet wall and south wall of building.
 - Complete Install electrical in masonry walls.
 - Install TPO roofing at the entire building.
 - Receive & set the RO Feed Pumps.
- Ground Storage Tank
 - Continue coating outside of tank.
 - Coat interior floor of tank.
 - Install inlet stand pipe.
 - Install baffle curtain, ladder, and level indicator parts.



- Pre-Con to demobilize by the end of July.
- Degasifier
 - Remove formwork at degasifier housekeeping pads.
 - FRP Stack & Pipe arriving late July.
- Chlorine Building
 - Chlorine structure redesign ongoing.
- Yard Piping
 - Pressure test 20"/30" CRO Line. (Scheduled for 7/10/2019)
 - Install 16"/30" CRO from GST to Permeate Pumps.
- Deep Injection Well
 - Backfill area to grade.
 - Install underground electrical conduit.
 - Install formwork & rebar for deep injection well concrete pad. (Scheduled for 7/16/2019)
- Existing Plant
 - Setup temporary caustic tank & supply system.
 - Demo existing caustic tanks, pads, piping & electrical.
 - Place new concrete support saddles & pump pads.
- Flow Meter Vaults
 - Coat the exterior of 12-inch FMV from GST to BB.
 - Place walls & top slab for the 20-inch FMV from the Existing Filters to BB.

C. Critical Path Update

Critical Path Activities:

The critical path for the project is currently running through the RO building. The continued sequence is as follows:

- Set precast concrete roof panels. (Began July 8, 2019)
- Complete masonry at south wall & parapets
- Set skylight & exhaust fan curbs
- Grout topping & reinforcing
- TPO membrane roofing system

D. Current & Potential Delays

1. Redesign of Chlorine Feed area.



City of Punta Gorda Shell Creek WTP RO Addition

*City of Punta Gorda Project #R2013102
Tetra Tech Project #200-08496-14003
Wharton-Smith Project #18-048*

Progress Meeting #13 Agenda Wednesday, July 9, 2019

- I. Review of Previous Meeting Notes – Progress Meeting #12
- II. Action Item Review –

Number:	Action Description:	Ball In Court:	Date Assigned:	Status:	Notes
12	RFC #005 Chlorine Building Mods	WSI	1/9/2019	In Progress	RFC #005 is likely being eliminated due to building redesign.
15	RO Building finished flooring modifications.	TT	3/1/2019	In Progress	WSI sent pricing to CPG and submittal information to TT for review.
16	36-inch MOV at Existing Filters	CPG / TT	5/1/2019	In Progress	Determine if the 36-inch MOV at the existing filters may be eliminated from the scope of work.
18	Deletion of Chlorine Building & Gas System	CPG	6/11/2019	In Progress	WSI, TT, & CPG Meeting weekly to discuss redesign. Tetra tech has prepared preliminary structural plans for the change from Chlorine Gas to Sodium Hypochlorite.
19	Coordinate RO Skids Programming	TT / Harn	6/12/2019	In Progress	Meeting held on 6/12/2019 to discuss Membrane System Startup. Follow up from Tetra tech needed to finalize software.

III. Review of Monthly Schedule Narrative – July 2019 Update

IV. Safety

- PPE Required.
- Excavation / trench safety ongoing with process pipe, electrical & tie-ins.
- Handrail installed at RO Process Trench Area & CSW Flow Meter.
- Fall protection for west side of top deck at Blend Basin.
 - i. Top slab penetrations marked & covered.
- Top for Neutralization Pump Station installed with penetrations marked.
- Hollowcore & Double Tee Installation
 - i. Crane and controlled access being used.

V. Contractual Milestones:

Description	Contract Date	Previous Status Dates	Current Status Forecast Dates	Variance (Contract – Current)
Notice to Proceed	22-May-18	N/A		0
Contract Substantial Completion	20-Apr-20	07-Apr-20	07-Apr-20	8 WD
Contract Final Completion	21-May-20	05-May-20	05-May-20	8 WD

- Contract Time Percent Complete: 61% (Substantial Completion)
- Contract Time Remaining:
 - 285 Days to Substantial Completion – April 20, 2020
 - 316 Days to Final Completion – May 21, 2020

VI. Pay Application Processing

- Pay Application #11 – May 2019 - \$1,449,945.39 (Payment Received)
- Pay Application #12 – June 2019 - \$1,130,923.27 (Sent 7/3/2019)
- Billed To Date – \$11,269,559.57
- Current Contract Value – \$23,799,557.76
- Owner Direct Purchases – \$5,418,091.24
- Contract Value Percent Complete - 47%

VII. Submittals

- 268 submittals sent for review
- reviews have been completed
 - Approved / Approved as Noted – 254
 - Revise & Resubmit – 8
 - Engineer's Court – 6
- Critical Submittals in Review:
 - Turnkey Interior Conc. & CMU Paint
- Submittal log will be sent out with the meeting minutes.

VIII. Request for Information

- 96 RFI's sent to-date; awaiting response on one.
 - RFI 096 – Access Road Gravel & Pipe Elevation

IX. Allowance/Contingency Transfers

- Approved
 - i. RFC #11 – RO Building Containment Curbs.
 - ii. Ammonia Feed Panel at Blend Basin.
 - iii. Degasifier Stack Pad Foundation.
- Declined
- Submitted
 - i. FPL Primary Conduit to RO Building & Wells.
 - ii. RO Building Flooring Upgrades.
- Proposed
 - i. RFC #005 – Chlorine Scrubber Ductwork & HVAC Improvements.

Additional Comments

**Next meeting scheduled for Wednesday, August 14, 2019 at 10:00am in the Wharton-Smith office trailer.