



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

May 2019 Monthly Schedule CPM Update
Dated June 11, 2019





A. Work Completed During May 2019

- General Site
 - Continued maintenance of dewatering sedimentation pond & other SWPPP items.
 - Completed electrical primary underground to Wells 3, 4, & 5.
 - Banks Engineering recorded as-built locations of buried fittings.
 - Installed Duct Banks C & J.
- Production Wells
 - Installed electrical racks at Production Wells.
- Blend Basin
 - Completed the exterior surface repairs & applied coatings.
 - Backfilled structure to previous grade.
 - Completed formwork & rebar for 12 inch Flow Meter Vault slab. (Placed 5/30/2019)
 - Drained & cleaned the interior of the structure.
 - Installed formwork & rebar for 12 inch Flow Meter Vault walls.
 - Completed installation of wall pipes at 12 inch Flow Meter Vault.
 - Began installation of hatches & pump pads.
- RO Building
 - Completed masonry walls at administration area.
 - Continued installation of masonry walls at process & chemical areas.
 - Continued installation of wall plumbing & in-wall electrical.
 - Completed housekeeping pads for electrical & mechanical equipment.
- Ground Storage Tank
 - Installed roof & roof accessories. (Placed 5/23/2019)
 - Installed pre-stress wire around tank.
 - Flash pre-stress wire at tank.
 - Completed exterior wall boss & top decorative band.
- Degasifier
 - Completed formwork & rebar for Chlorine Vault walls. (Placed 5/9/2019)
 - Completed formwork & rebar for Chlorine Vault top slab. (Placed 5/23/2019)
 - Installed 24 inch CRO process pipe from degasifier effluent through vault.
 - Excavated & installed formwork/rebar for degasifier stack pad.
 - Install underground electrical at degasifier area.
 - Completed exterior coatings for Chlorine Vault walls. (Completed 6/10/2019)



- Chlorine Building
 - Completed fine grading and compaction for chlorine building area.
 - Completed Chlorine Building footers. (Placed 5/30/2019)
 - Install electrical & plumbing penetrations through stem wall.
 - Continued electrical rough-in at Chlorine Electrical room & rest of building.
- Yard Piping
 - Installed 24-CRO from degasifier to blending basin.
 - Installed 10 inch RW to ASR #2.

B. Work Planned for Next 30 Days

- Production Wells
 - Install pull boxes for FPL Primary Underground.
 - Windemuller to begin electrical racks at wells.
- Blend Basin
 - Complete installation of hatches & housekeeping pads on Blend Basin top.
 - Complete installation of Flow Meter Vault walls. (Scheduled for 6/12/2019)
 - Install formwork & rebar for Flow Meter Vault top slab. (Scheduled for 6/20/2019)
 - Install sole plated for Vertical Turbine Pumps at Blend Basin top.
 - Place equipment pads. (Scheduled for 6/17/2019)
 - Complete interior coatings of Blend Basin.
- RO Building
 - Complete masonry installation throughout process & chemical areas.
 - Complete electrical and plumbing installation in CMU walls.
 - Install precast hollow-core & double tees.
 - Install crane rails at the RO Pump Room.
- Ground Storage Tank
 - Remove roof dome formwork, shoring, and decking.
 - Complete 12 inch drain line at GST.
 - Clean interior of tank.
 - Prepare interior & exterior of ground storage tank for coatings.
- Degasifier
 - Continue underground electrical rough-in.
 - Backfill Chlorine Injection Vault to grade.
 - Place degasifier stack pad. (Scheduled for 6/14/2019)
 - Install formwork & rebar for degasifier slab on grade. (Scheduled for 6/24/2019)
 - Begin installation of equipment housekeeping pads.



- Chlorine Building
 - On hold until further notice.

- Neutralization Pump Station
 - Apply interior coating of pump station.
 - Install top slab of pump station.
 - Set pumps & complete housekeeping pads.

- Yard Piping
 - Continue installation of 20/30 inch FW line from existing plant to Blend Basin.
 - Dewater & excavate for 20 inch Flow Meter Vault at CSW line from existing plant to Blend basin.

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:

- Masonry.
- Set precast concrete roof panels. (Scheduled to begin July 8, 2019)
- Dry-In Building. (Scheduled completion August 2019)

D. Current & Potential Delays

1. 36 inch Motor Operated Valve.
2. Installation of Masonry at RO Building taking longer than expected.
 - a. Hollow-core installation delayed to begin July 8.
 - b. Downstream activities which include the hollow-core, double tee installation and finished roofing may be expedited to maintain original schedule.
3. Delineation of Chlorine Building & possible redesign.



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 #12 Agenda Wednesday, June 12, 2019

- I. Review of Previous Meeting Notes – Progress Meeting #11
- 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	Switchgear submittal marked Approved as Noted. Pricing has been provided. COPG has requested additional information.
15	RO Building finished flooring modifications.	WSI	3/1/2019	In Progress	WSI received revised pricing based on City's color selection & options.
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.
17	Chemical Storage Area Containment Curbs	CPG	5/7/2019	Closed	Wharton-Smith submitted cost proposal for RFC #11 to the City.
18	Deletion of Chlorine Building & Gas System	CPG	6/11/2019	NEW	City of Punta Gorda requested all work be halted at the Chlorine Building on 6/11/2019. Discussion at end of meeting – Additional Comments.

III. Review of Monthly Schedule Narrative – June 2019 Update

IV. Safety

- PPE Required.
- Excavation / trench safety ongoing with process pipe, electrical & tie-ins.
- Handrail installed at RO Process Trench Area
- Fall protection for west side of top deck at Blend Basin.
 - i. Top slab penetrations marked & covered.
- WS coordinating lift plans for Hollowcore & Double Tee Installation.

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: 57% (Substantial Completion)
- Contract Time Remaining:
 - 313 Days to Substantial Completion – April 20, 2020
 - 344 Days to Final Completion – May 21, 2020

VI. Pay Application Processing

- Pay Application #10 – April 2019 - \$988,279.97 (Payment Received)
- Pay Application #11 – May 2019 - \$1,449,945.39 (Sent 6/7/2019)
- Billed To Date – \$10,030,237.24
- Current Contract Value – \$23,799,557.76
- Owner Direct Purchases – \$5,418,091.24
- Contract Value Percent Complete - 42%

VII. Submittals

- 255 submittals sent for review
- 245 reviews have been completed
 - Approved / Approved as Noted – 238
 - Revise & Resubmit – 7
 - Engineer's Court – 10
- Critical Submittals in Review:
 - Fire Protection
 - Variable Frequency Drive – O&M Manual
- Submittal log will be sent out with the meeting minutes.

VIII. Request for Information

- 93 RFI's sent to-date; awaiting response on two.
 - RFI 088 – Chlorine Bldg Roof Drain Re-Route
 - RFI 093 – Lab Accessories Locations

IX. Allowance/Contingency Transfers

- Approved
 - i. SAR VFD & Level Conversion to Ethernet
- Declined
- Submitted
 - i. RFC#11 – RO Building Containment Curbs
- Proposed
 - i. RFC #005 – Chlorine Scrubber Ductwork & HVAC Improvements.
 - ii. Ammonia Feed Panel at Blend Basin.
 - iii. FPL Primary Conduit to RO Building & Wells.

Additional Comments

- Jobsite open on July 5, 2019.
- Discussion on Chlorine Building.

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