

Project Title: Tioga Gas Plant Debottlenecking Project
PU-19-308

Reporting Date: **June 8, 2020**

1. Project Overview

Project Managers: Hector Marin
Project Location: Tioga Gas Plant, Tioga ND

3. Summary of Progress

3.1. Key Accomplishments since last reporting

06/01/2020 to 06/07/2020

- Stabilizer area: Electrical crew pulled cables for instruments. Crew fabricated and welded cable tray supports. Approx. 13,000 lift of cable have been pulled
- PRMA (Main Pipe rack) : PRMA Modules 1 – 16 are installed, this is all the PRMA racks. Welding of interconnection between PR modules is ongoing, PWHT is ongoing, NDE/RT is ongoing
- PRXN : 16" spool on the ground level is all that remains until hydro-test & TAR.
- PRXS : Delta is continuing to load the rack, they are now working the second section which runs east/west. Welding of straight run piping is ongoing, PWHT is ongoing, NDE/RT is ongoing
- Transformer foundation : concrete pour scheduled for 6/8 /20 (Walls currently being formed)
- Refrig Compressor: East/West (20 helical piers) All piers are installed (3 piers hit UG obstruction (Rock) and will need the larger machine to complete.
- UNIT 94 Particulate filter foundation :Foundation complete.
- Booster pump foundation : Foundation complete. Tentative set date 06/25
- Electrical brownfield : a) Started stripping and stuffing cables in junction boxes in the Stabilizer Skid, b) Working cable tray from PRXS to EB-4

3.2. Major Activities Planned for next reporting

- Offload and set Inlet Gas separator.
- Crews continue hanging rigging, setting rollers and removing guides in the north/south/east pipe rack in preparation to load piping
- Continue with rebar cages installation for equipment foundation.
- Crews are receiving, staging the ship loose sub structure for PRMA and HPG. Crews are building rebar cages/rings for the PDC/XFrmers/PEB to continue drilling.
- Crews continues pulling cable and with the grounding installation in the brownfield and greenfield area.

5. Project Schedule Summary

Milestones	Start Date	Completion Date	Actual Date	Comments
Mobilize contractor	18-Nov-19	18-Nov-19	18-Nov-19	
Start hydro vac excavation	20-Nov-19	20-Feb-20	23-Feb-20	
Fire water line installation	9-Dec-19	28-Feb-20	11-Mar-20	
Equipment foundation	18-Dec-19	5-Mar-20	30-May-20	
Helical Piles Installation	20-Dec-19	15-Jul-20		
Equipment installation	10-Apr-20	15-Sep-20		
Mechanical and E&I installation	25-Mar-20	15-Nov-20		
Clean & demob	15-Dec-20	30-Dec-20		

5.1. Schedule Comments

- Construction progress on track -36%

Project Title: Tioga Gas Plant Debottlenecking Project
PU-19-308

Reporting Date: **June 29, 2020**

1. Project Overview

Project Managers: Hector Marin
Project Location: Tioga Gas Plant, Tioga ND

2. Summary of Progress

2.1. Key Accomplishments since last reporting

06/22/2020 to 06/28/2020

- Stabilizer area: Electrical crew pulled cables for instruments. Crew fabricated and welded cable tray supports. Approx. 22,000 ft of cable have been pulled
- PRMA (Main Pipe rack) : PRMA Modules 1 – 16 are installed, this is all the PRMA racks. Welding of interconnection between PR modules is ongoing, PWHT is ongoing, NDE/RT is ongoing
- PRXN : 16" spool on the ground level is all that remains until hydro-test & TAR.
- PRXS : Delta is continuing to load the rack, they are now working the second section which runs east/west. Welding of straight run piping is ongoing, PWHT is ongoing, NDE/RT is ongoing
- Transformer foundation : foundation complete and transformers set
- Refrig Compressor: East/West (24 helical piers) All piers are installed (3 piers hit UG obstruction (Rock) and will need the larger machine to complete.
- UNIT 94 Particulate filter foundation : Foundation complete.
- Booster pump foundation : Foundation complete. Already set date 06/23
- Electrical brownfield : a) Started stripping and stuffing cables in junction boxes in the Stabilizer Skid, b) Working cable tray from PRXS to EB-4

2.2. Major Activities Planned for next reporting

- Offload and set Inlet Gas separator.
- Crews continue hanging rigging, setting rollers and removing guides in the north/south/east pipe rack in preparation to load piping
- Continue with rebar cages installation for equipment foundation.
- Crews are receiving, staging the ship loose sub structure for PRMA and HPG. Crews are building rebar cages/rings for the PDC/XFrmers/PEB to continue drilling.
- Crews continues pulling cable and with the grounding installation in the brownfield and greenfield area.

3. Project Schedule Summary

Milestones	Start Date	Completion Date	Actual Date	Comments
Mobilize contractor	18-Nov-19	18-Nov-19	18-Nov-19	
Start hydro vac excavation	20-Nov-19	20-Feb-20	23-Feb-20	
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Equipment foundation	18-Dec-19	5-Mar-20	30-May-20	
Helical Piles Installation	20-Dec-19	15-Jul-20		
Equipment installation	10-Apr-20	15-Sep-20		
Mechanical and E&I installation	25-Mar-20	15-Nov-20		
Clean & demob	15-Dec-20	30-Dec-20		

3.1. Schedule Comments

- Construction progress on track -36%

Project Title: Tioga Gas Plant Debottlenecking Project
PU-19-308

Reporting Date: **July 6, 2020**

1. Project Overview

Project Managers: Hector Marin
Project Location: Tioga Gas Plant, Tioga ND

2. Summary of Progress

2.1. Key Accomplishments since last reporting

06/29/2020 to 07/05/2020

- Stabilizer area: Electrical crew pulled cables for instruments. Crew fabricated and welded cable tray supports. Approx. 35,000 lft of cable has been pulled
- PRMA (Main Pipe rack) : PRMA Modules 1 – 16 are installed, this is all the PRMA racks. Welding of interconnection between PR modules is ongoing, PWHT is ongoing, NDE/RT is ongoing
- PRXN : Completed the 6" Pre TAR line from the ISSF area to the Stabilizer (LS-01757)
- PRXS : Delta is continuing to load the racks. Welding of straight run piping is ongoing, PWHT is ongoing, NDE/RT is ongoing. Completed the 6" Pre TAR line from the ISSF area to the Stabilizer (LS-01757)
- NGL pump skid foundation : foundation complete, pending set skid
- Refrig Compressor: East/West (24 helical piers) All piers are installed (3 piers hit UG obstruction (Rock) and will need the larger machine to complete.
- UNIT 94 Particulate filter foundation : Foundation complete.
- Booster pump foundation : Foundation complete. Already set date 06/23
- Electrical brownfield : Mid plant: Pull & add cables... test & terminate. South plant: Stuff & prep cables at EB-4... build cable tray and drops south rack. Prepped and routed internal cables in EB6107, EB6208 in MP-cabinets

2.2. Major Activities Planned for next reporting

- Offload and set PDC building and EFX skids
- Crews continue hanging rigging, setting rollers and removing guides in the north/south/east pipe rack in preparation to load piping
- Continue with rebar cages installation for equipment foundation.
- Crews are receiving, staging the ship loose sub structure for PRMA and HPG. Crews are building rebar cages/rings for the PDC/XFrmers/PEB to continue drilling.
- Crews continues pulling cable and with the grounding installation in the brownfield and greenfield area.

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Equipment foundation	18-Dec-19	5-Mar-20	30-May-20	
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Mechanical and E&I installation	25-Mar-20	15-Nov-20		
Clean & demob	15-Dec-20	30-Dec-20		

3.1. Schedule Comments

- Construction progress on track -36%