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| EPC | Weekly Report **18 Sept 2010** | |
| Date: 18 Sept 2010 | Project: Sidor Site A, Puerto Ordaz Venezuela | |
| Written By: Patrick Melody | ProEnergy EPC Project Mgr  ProEnergy Site Manager | William Lugo  Patrick Melody |
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**1. Executive Summary .**

This report provide an overview of the project activities for the week ending 7

* 1. **Safety & Regulatory Compliance** 
     + Develop Job Safety Analysis as required.
     + Inspection of motorized equipment prior to usage.
     + Inspection of subcontractor power tools.
     + Site orientation for new employees
  2. **Personnel/Staffing**

|  |  |  |  |
| --- | --- | --- | --- |
| Lugo, Bill | Project Director | Daniels, Julio | Tool Room (Local) |
| Melody, Patrick | Site Manager | Izquierdo, Weiser | Mat'l. Handler |
| Siros, James | Mech. Supt. | Flores, Herman | Tool Room (Local) |
| Maxey, Daniel | Tech. Advisor | Newan, Miguel | Mat’l Handler |
| Little, John | Material Manager | Leccia, Karina | Admin Assist |
| Frawely, Ted | Electrical | Rojas, Moises | Logistics |
| McCormick, William | Safety Manager | Zambrano, Natalia | Electrical Engineer |
| Riley, Jasper | Electrical Supt. | Alvarez, Josbett | Translator |
| Lynch, Patrick | Piping Supt. | Monasterios, O | Safety ( Local) |
| Siros, Melinda | Turn Over | Lugo, Lee | Translator |
| Flower, Kurt | I & C | Jimenez, Selenia | HighVoltage |
| Flower, Caleb | I& C (Apprentice) | Medina, David | High Voltage |
| Doran, Patrick | I & C | Villarrel, Luis | High Voltage |
| Pollack, Michael | Mgr. Aero Derivative | Smoak, Eric | High Voltage |
|  |  | Sprague, Randy | High Voltage |
|  |  | Barroso, Svetlana | Electrical Engineer |
|  |  | Montgomery, Mike | QA/QC |
|  |  | Hankins, Thomas | QA/QC |
|  |  | Boykin, Ken | Start Up Manager |
|  |  | Bingham, Allen | Start Up |
|  |  | Graves, Mike | Start Up |
|  |  | Hicks, Todd | Start Up |

* 1. **Weekly Accomplishments** 
     + GT 100 Cable Pulls and Terminations Ongoing
     + GT 100 Exterior GT Painting Complete
     + GT 100 Install Gas Piping from Filter Skid to Unit
     + GT 200 Turbine Generator install piping & accessories
     + GT 200 Weld Linear Plate in Stack
     + GT 200 Pull and terminate cable to TCP 200 from the MTTB
     + GT 300 –Oil Flush in Process
     + GT 300 – Install conduit and cable tray
     + GT 300 – Install Demin Piping to Water Wash Skid
     + BOP - Utility Bldg – Pulling and terminating Cables
     + BOP – Installing pipe to gas compressor
     + BOP – Gas Compressor Install Drain piping
     + BOP – Utility Bldg Install HVAC
     + BOP – Water Treatment Bldg Install MCC’s
     + BOP – Water Treatment Bldg Install Cable Tray
     + BOP – Install Cooling Water Piping
     + BOP – Gas Compressor Install Cable Trays
     + BOP – Gas Compressor Install 15kv cable to HV 300 panel
     + BOP – Gas Compressor Mount starting Panel on Gas Compressor
     + BOP \_ Gas Compressor Install 2 Repaired Compressor Motors
     + BOP – Install piping for Gas Blows
     + BOP - Water Treatment – Install air compressor skids and piping
     + BOP – High Voltage Install High/Low End Bus cables
     + BOP – High Voltage Pull Cables / Yard to Control Bldg.
     + BOP – Install Ground Grid @ Switch Yard
     + BOP – Install cables SWBD 100 to GT 100 & 200 Breaker
     + BOP – Site grading
     + BOP – Install Fencing at Switch Yard
     + BOP Install Raw Water and Demin Water forwarding pumps
     + BOP – Erect Raw Water Tank Install Support Steel for Roof
     + BOP – Erect Water Treatment Bldg Complete Trim and Flashing
     + BOP – Erect Gas Compressor Bldg.
     + BOP – Install 2 Repaired Motors for Gas Compressors
     + BOP – Install/Terminate Cable at Gas Compressor Bldg.
     + BOP – Install Asphalt Roadways



**1.4– Scheduling Conflicts**

* Schedule has been adversely affected by the late delivery of SWBD 100 15kv Fused disconnect and approximately 60 percent of the cable required for the project. Other activities that could impact the schedule are listed below.
  + ***Gas Compressor Motors Rewind – Two motors have been completed and installed. The third motor is expected to be delivered to site on 18 Sept 2010.***
  + ***GT 100 TCP has been returned to site. All interconnecting wire has been completed at the panel shop.***
  + ***Water treatment - Water supply may require pretreatment by SIDOR.***
  1. **– Site Managers Commentary and Amplifying Remarks**
* The following components have been sent to Termozulia. Beckwith; Electro Industries volt/amp meter; coupling bolts; purge and vent valves for fuel gas module; and ignition transformer and Control cards. Lead times are critical for replacement of these items.
* ***DCS will be shipped 14 Sept 2010***
* Cathodic protection installation for piping was discussed with local contractor. Proceeding on a EPC basis. Design has been received. ***Design review meeting to be held on Monday, 20 September 2010 .***
* The quality of the water supplied by SIDOR will not meet the criteria that PES/EDG presented to SIDOR earlier. Additional pre treatment equipment will be needed prior to entering our system. SIDOR’s water treatment consultant will forward a recommendation on the equipment and processes required to bring the SIDOR supplied water into usable parameters. SIDOR was advised that the cost associated with pretreatment of the water was not in PES scope of work. A Change Order will be opened to track cost associated with this issue. SIDOR’s consultant has meet with EDG t to review and substantiate the consultants proposal. ***EDG’s design recommendation has been received. A Change Order from Derwick/SIDORis needed to proceed with this out of scope work.***
* Derwick has verbally indicated that the Fuel storage tank, fuel unloading bldg. and related utilities will be removed form our scope of work. If a written directive is not received we will proceed with installation of these elements***. An email has been received from Derwick deleting certain elements form the Scope of Work.***
* Gas compressor motors have been removed and sent to a local shop to be rewound. One additional motor is being procured as a spare. ***The first two repaired motors have arrived and been installed.***

**2 Engineering and Design**

**2.1 – General Arrangement-**

**2.2 – Site /Civil /Structural**

**2.3 – Mechanical**

**2.4 – Electrical**

**2.5 – Instrumentation**

* **Subcontractor mobilized on 13 September 2010.**

**2.6 – O&M Manuals –**

* **In process**

**3 Procurement**

**3.1 – Purchase Order Requests**

**3.2– Equipment & Material Quotations**

**3.3 - Purchase Order –**

* Purchase Orders are being prepared for the following.

Grout

1. **Contracts**

**4.1 – EPC Contract –**

**4.2 – Construction Subcontracts –**

**4.3 – Proposal & Quotes**

**5 Construction**

**5.1 Schedule**

* CPM schedule is being revised per SIDORS request to accelerate.

**5.2 Equipment Delivery**

* Air Shipment of cable was received on 11 September 2010.
* Thor Liberty is expect to arrive12 September 2010
* Air shipment of switch yard materials expected to arrive 13 September 2010

**5.3 Mechanical**

* GT 100 – GT Erection is complete
* GT 200 – GT Erection is complete.
* GT 300 – GT Erection is complete

**5.4 Electrical**

* Installation of conduit and cable tray ongoing
* Cleaning and proving of conduit for the duct bank
* Wire Pulls and terminations ongoing.

**5.5 QA/QC**

Inspections of concrete placements, excavation, welding, and backfill activities is ongoing.

**6 Startup & Commissioning**

* Start Up Manager and three staff arrived on site 6 September 2010.



GT 200 Instrumentation Calibrations



Demin Water Tank Roof Erection



Gas Compressor Roof Installation