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| EPC | Weekly Report **25 Sept 2010** | |
| Date: 25 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 25 September 2010.

* 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 |
| Montgomery, Mike | QA/QC | 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 |
| Boykin, Ken | Start Up Manager | Sprague, Randy | High Voltage |
| Bingham, Allen | Start Up | Barroso, Svetlana | Electrical Engineer |
| Graves, Mike | Start Up |  |  |
| Hicks, Todd | Start Up |  |  |
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* 1. **Weekly Accomplishments** 
     + GT 100 Cable Pulls and Terminations Ongoing
     + GT 200 GT 200 Weld Liner Plate in Stack
     + GT 200 Pull and terminate cable to TCP 200 from the MTTB
     + GT 200 Instrument Calibrations Complete
     + GT 200 – Oil Flush Started
     + GT 300 –Oil Flush complete
     + GT 300 – Install Fogging System
     + GT 300 – Install conduit and cable tray
     + GT 300 – Install Demin Piping to Water Wash Skid
     + BOP – Erect Control / Maintenance Bldg.
     + BOP - Utility Bldg – Pulling and terminating Cables
     + BOP – Switch Yard Install Fencing Complete
     + BOP – Gas Compressor Pull & Terminate Cables
     + BOP – Gas Compressor Calibrate Instruments
     + BOP – Utility Bldg Install & Commission 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 Install Third Gas Compressor Motor.
     + BOP – Gas Compressor Cable Terminations Ongoing
     + BOP - Pull Cables to T3
     + BOP – High Voltage Install High/Low End Bus cables
     + BOP – High Voltage Pull Cables / Yard to Control Bldg.
     + BOP – Install Ground Grid @ Switch Yard Complete
     + BOP – Install cables SWBD 100 to GT 100 & 200 Breaker
     + BOP – Site grading
     + BOP - Install Raw Water and Demin Water forwarding pumps
     + BOP – Erect Raw Water Tank Complete
     + BOP - Raw Water Tank Sand Blast
     + BOP – Raw Water Tank Install Pipe Connection
     + BOP – Erect Water Treatment Bldg Complete Trim and Flashing
     + BOP – Erect 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 – All motor have been rewound and returned to the Site***
  + ***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. ***Installation in process.***
* 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. ***All three motors have been returned to site and are 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 24 September 2010.
* Industrial Cape has arrived at Guanta on 22 Sept 2010. Material delivery to site is being delayed by National Elections. National Guard is unable to provide escort.

**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
* Wire Pulls and terminations ongoing.

**5.5 QA/QC**

Inspections of painting, pavment placement, welding, and backfill activities is ongoing.

**6 Startup & Commissioning**

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



**Raw Water / Demin Water Forwarding Skids**

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**GT 100 & 200**