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| EPC | Weekly Report **31 July 2010** | |
| Date: 31 July 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) |
|  |  | Izquierdo, Weiser | Mat'l. Handler |
| Melody, Patrick | Site Manager | Flores, Herman | Tool Room (Local) |
| Siros, James | Mech. Supt. | Newan, Miguel | Mat’l Handler |
| Bird, Jason | Tech. Advisor | Leccia, Karina | Admin Assist |
| Little, John | Material Manager | Rojas, Moises | Logistics |
| Frawely, Ted | Electrical | Zambrano, Natalia | Electrical Engineer |
| Blacke, Edward | Safety Manager | Alvarez, Josbett | Translator |
| Riley, Jasper | Electrical Supt. | Jansen Teodoro | Translator |
| Lynch, Patrick | Piping Supt. | Monasterios, O | Safety ( Local) |
| Siros, Melinda | Turn Over | Charcara, Alexandre | High Voltage |
| Caldwell, Donnie | Dual Fuel | Young ,Craig | High Voltage |
| Green, Kathy | Dual Fuel | Rodriguez, Scott | High Voltage |
| Nash, carlos | Dual Fuel | Goncalves, Adriano | High Voltage |
| Smothers, Shelby | Dual Fuel | Medina, David | High Voltage |
| Welty, Mark | Dual Fuel | Silva, Rafael | High Voltage |
| Golden, Gabe | Dual Fuel | Villarrel, Luis | Dual Fuel |
| Jackson, Steve | Dual Fuel |  |  |
| Keaton, Jim | Dual Fuel |  |  |
| Tokarse, Don | Dual Fuel |  |  |
| MacIntyre, Chuck | Dual Fuel |  |  |
| Sayago, Juan | Dual Fuel |  |  |

* 1. **Weekly Accomplishments** 
     + GT 100 Install pipe racks
     + GT 100 Trimming Engine Packages
     + GT 200 High Voltage - GSU Install Radiators
     + GT 300 Dual Fuel
     + GT 300 Exhaust Stack – Interior welding & Splice plates
     + GT 300 Install CO2 piping
     + GT 300 Place concrete piers for PEECC complete
     + GT 300 Place concrete foundation for Fuel Gas Scrubber
     + GT 300 Install Cooling Water Module and pumps
     + GT 300 Install piping in the unit ongoing
     + GT 300 Place concrete water injection skid foundation
     + GT 300 Place Concrete PDC Foundations
     + GT 300 Dual Fuel Install atomized air filter housing
     + GT 300 Dual Fuel Install LF Pump
     + BOP – Fabricating pipe to gas compressor
     + BOP – Demin Water Tank – Backfill tank complete
     + BOP – Install MCCs in Utility Bldg.
     + BOP - Switch Yard Foundations complete
     + BOP – Switch Yard Grading
     + BOP – Install fire line ongoing
     + BOP - Install process pipe ongoing
     + BOP - Clean and verify duct bank conduit
     + BOP – Switch Yard Duct Bank
     + BOP – Extend Trench in Existing Switch Yard complete
     + BOP – Install cable tray in existing Switch Yard Control Room
     + BOP – GSU Transformers100 & 200 Complete radiator installation
     + BOP – Gas Compressor Transformer excavation
     + BOP – Site grading



**1.4– Scheduling Conflicts**

* CPM schedule was issued 14 June 2010***.*** Schedule is being accelerated per SIDORS request.
  1. **– Site Managers Commentary and Amplifying Remarks**
* . ***Dual fuel conversion team has located shipped material and started work.***
* 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. Lead times are critical for replacement of these items. Control cards for 7EA are also required this week by Termozulia.
* SIDOR has indicated that there is an existing Demin Water Treatment plant on Site with the capacity to deliver 68 GPM. SIDOR wants to minimize the impact of the delay in tank construction due to their failure to remove the power lines.
* ***DCS design is not complete. DCS is in fabrication.***
* ***Concrete deliveries continue to be an issue that is adversely affecting the schedule. Allocation of concrete delivery trucks is limited at times to one truck.***
* ***Demin water tank foundation has been prepared for tank erection. The under tank cathodic protection equipment has not shipped to site. Cathodic design was received on 29 July 2010.***

**2 Engineering and Design**

**2.1 – General Arrangement-**

**2.2 – Site /Civil /Structural**

**2.3 – Mechanical**

**2.4 – Electrical**

* + - ***DCS Design is not complete.***
    - ***Paint specification is required for tanks and GT’s***
    - ***Cathodic design for piping underground piping has not been received.***

**2.5 – Instrumentation**

* **Ongoing**

**2.6 – O&M Manuals –**

* **Ongoing**

**3 Procurement**

**3.1 – Purchase Order Requests**

**3.2– Equipment & Material Quotations**

**3.3 - Purchase Order –**

* Purchase Orders are being prepared for the following.
  + Painting
  + Weld Testing
  + Pipe cleaning

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**

* **Boro5.3 Mechanical**
* GT 100 – GT Erection is complete
* GT 200 – GT Erection is complete. Awaiting arrival of turbine for installation.
* GT 300 – GT Erection is complete

**5.4 Electrical**

* Installation of Manholes and duct banks is ongoing.
* Utility Bld MCC’s installation is ongoing
* Cleaning and proving of conduit for the duct bank

**5.5 QA/QC**

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

**6 Startup & Commissioning**

* Pending.

**7 Startup Mobilization**





GT 300 Install Underground Process Piping



GSU 100 Transformer Trimming