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| EPC | Weekly Report **9 October 2010** | |
| Date: 9 October 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 provides an overview of the project activities for the week ending 9 October 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
     + Implementation of Lock Out / Tag Out Initiated
  2. **Personnel/Staffing**

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| --- | --- | --- | --- |
| 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 | Thurman, Fred | 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 | Chacara, Alex | High Voltage |
| Hicks, Todd | Start Up | Young, Craig | High Voltage |
|  |  | Galvez, Arturo | High Voltage |
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* 1. **Weekly Accomplishments** 
     + GT 100 - Cable Pulls and Terminations Ongoing
     + GT 100 - Calibrate Instruments
     + GT 100 – Install Flush For Turbine Lube Oil
     + GT 100 – Rewire MCC’s per Design Drawings
     + GT 100 & 200 Terminate Flow Switches
     + GT 100 & 200 Mount & Terminate CO2 push Button Dumps
     + GT 200 - Pull and terminate thermocouple cable to TCP 200 from the MTTB
     + GT 200 – Terminate flow switches for exhaust and vent fans
     + GT 200 – Install Connections at Turbine Flush
     + GT 200 – Install Exhaust Expansion Joint
     + GT 200 – Install cable to Turb/Gen Exhaust Fans
     + GT 200 – Prep for Generator Oil Flush
     + GT 300 – Install conduit and cable tray
     + GT 300 – Clean Filter House
     + GT 300 – Working Mechanical Punch List
     + GT 300 – Install Demin Piping to Water Wash Skid
     + GT 300 – Install Purge Air Panel
     + GT 300 – Install River Hawk Coupling Bolts
     + GT 300 – Replace Blower Bearings
     + GT 300 – Install Liquid Fuel Piping
     + GT 300 – Install cable Tray & Conduit
     + GT 300 – Install Instrument Air Piping
     + GT 300 – Install 750 mcm cable form GSU
     + GT 300 – Work Mechanical Punch List
     + BOP – Erect Control / Maintenance Bldg.
     + BOP – Install Bollards
     + BOP - Utility Bldg. Pulling and Terminating Cables
     + BOP – Utility Bldg. Install Water Injection Piping
     + BOP – Gas Compressor Calibrate Instruments
     + BOP – Grout Gas Compressors
     + BOP – Install Cooling Water Piping
     + BOP – Water Treatment Bldg. Install Piping
     + BOP – Gas Compressor Cable Terminations Ongoing
     + BOP – Inspect MCC’s @ Water Treatment & Gas Compressor for Compliance with Design Drawings
     + BOP – Install Deluge System at GSU Transformers
     + BOP – High Voltage Tension High/Low End Bus cables
     + BOP – High Voltage Pull Cables / Yard to Control Bldg.
     + BOP – Install Ground Grid
     + BOP – Site grading/Install Yard Stone
     + BOP - Raw Water Tank Sand Blast/Prime
     + BOP – Place Foundation for Deluge Control Cabinet at GSU

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**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.
  + ***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 Equipment was shipped 27 Sept 2010 from Sedalia. ETA Guanta 8 October 2010. ETA Site 12 October 2010.
* Cathodic protection installation is in progress.
* GT 200 Generator lube oil pump shaft seal has failed. Sedalia is sourcing a replacement from Tuttle.
* 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 has forwarded 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. SIDOR has requested an analysis of impacts to the water treatment system in the event that SIDOR chooses not to implement the out of scope pretreatment recommendations of their consultant. (i.e. Will the overall life span of the water treatment system be reduced, increase in operational costs, etc.) ***EDGI has responded to SIDOR’s request for impact; failure to proceed with installation of recommended pretreatment will result in additional maintenance cost and reduced megawatts.***
* 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.***

**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 as required

**5.2 Equipment Delivery**

* Industrial Dart arrived at Guanta on 27 Sept 2010. Four truck loads of material were delivered to site on 8 October 2010.
* Air freight shipment arrived 7 Oct 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
* Wire Pulls and terminations ongoing.

**5.5 QA/QC**

Inspections of painting, Mechanical installations/welding, electrical installation/testing, and backfill activities is ongoing.

**6 Startup & Commissioning**

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

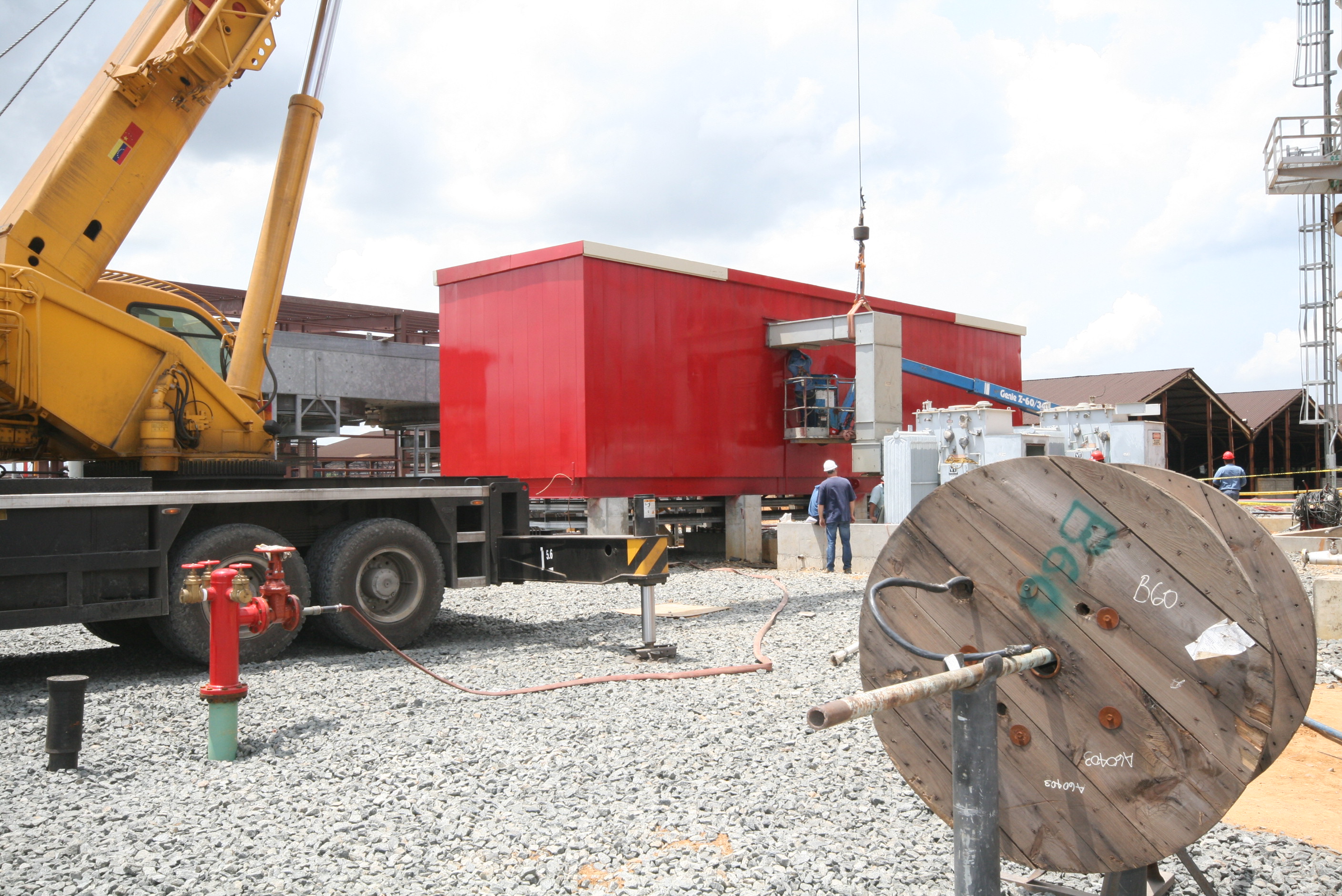
**7 Photos**



**Control Building Erection**

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**GSU Transformer Deluge System Installation**

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**GT 300 Bus Duct Installation At PDC**