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| **CVG SIDOR POWER PROJECT SITE “A”** |
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**DATE: 15 September 2010, Wednesday**

**PROJECT #: 410-3202**

**LOCATION: SIDOR Industrial Area, Puerto Ordaz, Venezuela**

**SITE MANAGER: Patrick Melody**

**TEMPERATURE: 88 F**

**RANGE: 85 to 95 F**

**SITE CONDITIONS: Partly Sunny**

**PERSONNEL ON SITE:**

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| --- | --- | --- | --- |
| Lugo, Bill | Project Director | Newan, Miguel | Mat'l. Handler Local |
| Melody, Patrick | Site Manager | Izquierdo, Weiser | Mat'l. Handler Local |
| Siros, James | Mechanical Supt. | Herman, Flores | Tool Room Local |
| Riley, Jasper | Elect. Supt. | Monasterios, O | Safety Local |
| Little, John | Mat’l. Control | Leccia, Karina | Admin. Local |
| Frawely, Ted | Elect. Supt. | Zambrano Natalia | Elect. Eng. Local |
| Lynch, Patrick | Piping Supt. | Alvarez, Josbett | Admin. |
| Siros, Melinda | Turn Over | Lugo, Lee | Translator |
| Hankins, Tom | QA/QC | Rojas, Moises | Procurement Local |
| Montgomery, Mike | QA/QC | Pollack, Mike | Manager Aero Dir. |
| Maxey, Daniel | 7EA Technical Assist. | Medina, David | High Voltage |
| Boykin, Ken | Start Up Manager | Villareal, Luis | High Voltage |
| Bingham, Allen | Start Up | Selenia, Jimenez | High Voltage |
| Graves, Mike | Start Up | Smoak, Eric | High Voltage |
| Hicks, Todd | Start Up | Sprague, Randy | High Voltage |
| Flowers, Caleb | I & C | Flowers, Kurt | I & C |
|  |  | Doran, Patrick | I & C |

**SUBCONTRACTOR PERSONNEL:**

**CIVIL**

Operators 6 Carpenter 10 Electrician 2 Concrete Finisher 9 Laborers 25 Iron Workers 4

Truck Driver 3 Welders 3 Plumber 2 Surveyor 3

Oilers 2 Mechanic Heavy 2

**Total 60**

**Mechanical**

Welders 9 Fitters/Mechaics 16

Helpers 18 Operators 2

**Electrical**

Electricians 30 Helpers 10

1. **GENERAL ITEMS**
   * 1. Design and procurement for the project needs to be completed as soon as possible to support current project schedule. Daily meetings are held with the design team and/or field engineers to follow up on the design and to discuss design changes

* Cathodic design for piping system needs to be finalized. Meeting was held on site with local subcontractor. It was agreed to proceed on EPC basis. Cost proposal has been received from subcontractor. Design has been received. ***Awaiting approval of design***
* DCS Equipment will be shipped 14 Sept 2010 from Sedalia.
* GT 100 & 200 MCC is not correctly configured. Bus bar is undersized. Capacity not adequate for all required equipment. Detailed report to follow. Report has been released***.*** Material is being sourced. Furthermore, internal wiring of the buckets does not match the design drawings. Rewiring of the motor starters is in process.This activity is adding a lot of additional load to the construction and start up crew as well as an impact on the schedule. Additional materials are being purchased to resolve the situation.
* Materials and equipment delivery delays are having a substantial impact on the construction and star-up schedule and associated activities. Equipment and Materials such as power and control cable (ETAs 20 Sept 2010) -70-65% of the cable; LM 6000 Dual fuel components (Woodward valve instrumentation, among others.

1. **CLIENT ISSUES/CONCERNS:** 
   * 1. Preliminary discussions were held with SIDOR to discuss gas blows and alternative options. To the extent possible, SIDOR would like to minimize the need for gas blows***.*** SIDOR has agreed to gas blows and has requested a written procedure for gas blows along with a site plan indicating location of gas blow offs. ***A format has been reviewed. Written procedure is in process.***
     2. Sidor has indicated that the water supply is out of specification and will require pretreatment. SIDOR’s water treatment consultant has furnished a recommendation which is being reviewed by EDG. EDG has meet with the SIDOR’s vendor to discuss their recommendations. ***EDGI just advised that additional equipment will be needed to be able to treat the water based on the new sample analysis provided by SIDOR. A contract change order is in process.***
     3. Derwick has verbally indicated that the Fuel storage tank, fuel unloading bldg. and related utilities will be removed from our scope of work. An email has been received from Derwick deleting certain elements of the fuel storage systems.
2. **CIVIL:**
   * 1. BOP - Site grading
     2. BOP - Placement of asphalt paving
     3. BOP – Erect Water Treatment Bldg.
     4. BOP – Install light Pole Bases
     5. BOP – Excavate to road sub grade/compact road base
     6. BOP – Tack coat road way sub base
     7. BOP – Install fencing at Switch Yard
     8. GT 100 Exterior painting ongoing
3. **CONCRETE FOUNDATIONS:**
   * 1. Foundations Complete
4. **MECHANICAL:**
   * 1. GT 200 – Weld linear plate in stack
     2. GT 300 Dual Fuel – Tubing ongoing
     3. GT 300 Install demin piping to water wash skid
     4. BOP – Install pipe in Water Treatment Bldg.
     5. BOP - Install Vent Piping for Gas Blows
     6. BOP – Install demin water tank pipe connection
     7. BOP - Utility Bldg. install water injection piping
     8. Demin Water tanks – Passavate Welds
     9. Raw Water tanks – Install 4th ring wall production welding
5. **ELECTRICAL:**
   * 1. GT 100 – Install and terminate cable Aux skid
     2. GT 200 – MCC terminate cables
     3. GT 100 & GT 200 Rewire MCC’s per design drawings
     4. GT 300 Install conduit
     5. High Voltage – Install control cable
     6. BOP – Water Treatment Bldg install cable tray
     7. BOP - Install ground grid
     8. BOP – Gas compressors install 15 kv cable to HV 300 panel
     9. BOP – Install cables SWBD 100 to GT 100 & 200 breaker
6. **INSTRUMENTATION AND CONTROLS:**
7. **SCHEDULED ITEMS:** 
   * 1. ***General***
        1. CPS Schedule updates on going.
     2. ***Contract Milestone Payments***
        1. Completed Milestone Payments (50%)

Complete

* + - 1. Gas Turbines on Foundation (10%)

Complete

***8.1.2.3*** Civil Foundations Complete (25%)

Complete

***8.1.2.4*** Electrical/Mechanical Complete (10%)

October 31, 2010

* + - 1. Start- up Complete and Ready to Export Power (5%)

November 9, 2010

***Note (\*): These dates are being revised based upon an accelerated schedule.***

* + 1. ***Target Ready for Start-Up Dates***
       1. ***Unit 100 – LM6000***

***October 10, 2010 \****

* + - 1. ***Unit 200 – LM6000***

***October 10, 2010 \****

* + - 1. ***Unit 300 – 7EA***

October 31, 2010

***Note (\*): These dates have been revised due to the late delivery of material. Including cables, ESD valves, MCC’s that were not fabricated correctly, and missing instrumentation.***

1. **CRITICAL AREAS OF CONCERN:**

* Design and procurement activities for the project need to be completed as soon as possible to support current project schedule. We continue to have daily communications with the design team in Tulsa as well as the field engineers on the design progress.
* The gas compressor motors for the LM 6000 are 3300kv. Transformers and MCC’s are 4160kv. One new motor will be procured. ***Two repaired motors were delivered to site and installed on 14 Sept 2010. Third motor expected approximately 18 Sept 2010.***
* EDG has completed the Cable Schedule for the project. We currently have 50% of the cable required on site. Other PES sites, CVG B, and SIDOR have been providing cable as available. Cable procurement is ongoing. Schedule is being severely impacted due to lack of cable on site
  + 1. **SAFETY:**
       - 1. Develop JSA as needed
         2. Inspection of subcontractor power tools.
         3. Inspection of motorized equipment prior to usage.
         4. Scaffold and trenching inspections ongoing.
         5. Site Orientation for New Staff
    2. **OUTSTANDING DRAWINGS:**
    3. **DRAWINGS ISSUED:**

1. **PICTURES:**



**Asphalt Paving Installation**



**GT 200 Fuel Injection Skid**