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| **CVG SIDOR POWER PROJECT SITE “A”** |
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**DATE: 14 September 2010, Tuesday**

**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 13 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 63**

**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 big impact on the construction and star-up schedule and associated activities. Equipment and Materials such as LM6000 expansion joint (ETA: 09-20-09); power and control cable (ETAs: 09-13 & 09-20-2010) -70-65% of the cable; pump-motors for the LM6000 lube oil and gas compressor cooling system; 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 the works.***
     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 – Erect Water Treatment Bldg.
     3. BOP – Install light Pole Bases
     4. BOP – Excavate to road sub grade/compact road base
     5. BOP – Tack coat subbase
     6. BOP – Install fencing at Switch Yard
     7. GT 100 Exterior painting ongoing
3. **CONCRETE FOUNDATIONS:**
   * 1. Foundations Complete
4. **MECHANICAL:**
   * 1. GT 300 Dual Fuel – Tubing ongoing
     2. GT 300 Install demin piping to water wash skid
     3. GT 300 Install Vent Piping on Enclosure
     4. BOP - Install process pipe at gas compressor
     5. BOP - Install vent piping
     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 two repaired gas compressor motors
     10. 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, SWBD 100, expansion joints, ESD valves, and instrumention.***

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. Three motors will be rewound locally. A cost proposal has been received. A 50% advance payment to the vendor has been made. One motor will be ready in 20 days. Second motor in 30 days…fourth in 40 days. ***Two repaired motors were delivered to site and installed today. Third motor expected next week***
* EDG has completed the Cable Schedule for the project. We currently have 50% of the cable required on site. 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:**



**Roadway Tack Coat**



**Gas Compressor Motor Installation**