|  |
| --- |
| **CVG SIDOR POWER PROJECT SITE “A”** |
|  |

**DATE: 9 September 2010, Thursday**

**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:**

|  |  |  |  |
| --- | --- | --- | --- |
| 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 |
| Caldwell, Donnie | Dual Fuel | Rojas, Moises | Procurement Local |
| Green, Kathy | Dual Fuel | Pollack, Mike | Manager Aero Dir. |
| Nash, Carlos | Dual Fuel | Medina, David | High Voltage |
| Smothers, Shelby | Dual Fuel | Villareal, Luis | High Voltage |
| Hendley, Bill | Dual Fuel | Selenia, Jimenez | High Voltage |
| Jackson, David | Dual Fuel | Smoak, Eric | High Voltage |
| McIntrye, Charles | Dual Fuel | Sprague, Randy | High Voltage |
| Olivas, Nestor | Dual Fuel | Flowers, Kurt | I & C |
| Sayago, Juan Carlos | Dual Fuel | Doran, Patrick | I & C |
| Jordan, Keith | Dual Fuel | Flowers, Caleb | I & C |
| Boykin, Ken | Start Up Manager | Hankins, Tom | QA/QC |
|  |  | Montgomery, Mike | QA/QC |
|  |  | Maxey, Daniel | 7EA Technical Assist. |
|  |  |  |  |

**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 9 Sept 2010
* 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.***

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. ***Awaiting a solution from EDG.***
     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. GT 200 Exterior painting ongoing
     6. GT 300 Exterior painting
3. **CONCRETE FOUNDATIONS:**
   * 1. Foundations Complete
4. **MECHANICAL:**
   * 1. GT 100 Install Cooling Water Pipe
     2. GT 200 Install gas line on rack
     3. GT 100 & 200 Install liquid fuel booster pump
     4. GT 100 & 200 Install pipe supports
     5. GT 300 Dual Fuel – Finalizing installation/Tubing ongoing
     6. GT 300 Install cooling water piping lube oil cooler to package
     7. GT 300 Install interior platforms
     8. GT 300 Prep for lube oil connections
     9. GT 300 Final alignment in process
     10. BOP Install process pipe at gas compressor
     11. BOP Install drain line west side of gas compressor
     12. Demin Water tanks – Production welding / Dome install
     13. Raw Water tanks – Install 4th ring wall complete production welding
5. **ELECTRICAL:**
   * 1. GT 100 - TCP 100 returned from panel shop/installed
     2. GT 100 – Install and terminate cable Aux skid
     3. GT 200 – Install cable GT to TCP 200
     4. GT 200 – MCC terminate cables
     5. GT 200 – Install and terminate cables for lube oil heaters
     6. GT 100 & GT 200 Rewire MCC’s per design drawings
     7. High Voltage – Erect structural steel
     8. BOP – Utility bldg. install 4 battery chargers
     9. BOP - Install ground grid
     10. BOP – Gas compressors install cable tray
     11. BOP – Install MH brackets
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***

***Sept 30, 2010 \****

* + - 1. ***Unit 200 – LM6000***

***Sept 30 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. ***The additional motor will ship next week.***
* EDG has completed the Cable Schedule for the project. We currently have 33% of the cable required on site. Cable procurement is ongoing. Schedule is being severely impacted due to lack of cable on site. 750 & 500 mcm Cable is expected to arrive 2 Sept 2010. Balance of cable required for first fire is in Houston. ***Tacoa cables arrived today.***
  + 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:**





**Demin Water Tank Dome Erection**



**High End Bus Cable Installation**



**GT 300 7EA**