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

**DATE: 26 October 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:**

|  |  |  |  |
| --- | --- | --- | --- |
| Lugo, Bill | Project Director |  | Mat'l. Handler Local |
| Patrick Melody | 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 |
| McCormick, William | Safety Manager | Leccia, Karina | Admin. Local |
| Frawely, Ted | Elect. Supt. | Zambrano Natalia | Elect. Eng. Local |
| Montgomery, Mike | QA/QC | Alvarez, Josbett | Admin. |
|  |  | Lugo, Lee | Trans./Drwg Control |
| Boykin, Ken | Start Up Manager | Rojas, Moises | Procurement Local |
| Bingham, Allen | Start Up | Thurman, Fred | High Voltage |
| Graves, Mike | Start Up | Medina, David | High Voltage |
| Hicks, Todd | Start Up | Villareal, Luis | High Voltage |
| Hazelrigg, Brett | Start Up LM 6000 TA | Galvez, Arturo | High Voltage |
| Deha Garza, Ada | Start Up | Smoak, Eric | High Voltage |
| Doran, Patrick | Start Up 7EA I&C | Sprague, Randy | High Voltage |
| Perya, Harold | Start Up | Charca, Alex | High Voltage |
| Caleb, Flower | Start Up | Gonclaves, Adriano | High Voltage |
| Siros, Melinda | Start Up | Andrade, Isabel | High Voltage |
|  |  | Jimenez, Selena | High Voltage |
|  |  | Silva, Rafael | High Voltage |

**SUBCONTRACTOR PERSONNEL:**

**CIVIL**

Operators 1 Carpenter 10 Electrician 2 Concrete Finisher 2 Laborers 12 Iron Workers 2

Truck Driver 1 Welders 1 Plumber 0 Surveyor 0

Oilers 0 Mechanic Heavy 0

**Total 31**

**Mechanical**

Welders 9 Fitters/Mechanics 16

Helpers 18 Operators 2

**Total 45**

**Electrical**

Electricians 35 Helpers 10

**Total 45**

**Instrumentation**

Instrument Techs 10

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

* Cathodic protection installation for piping system is complete.
* GT 100 & 200 MCCs were not correctly configured. The equipment purchased did not match the engineering design. Rewiring of MCC 200 is complete. Rewiring of MCC 100 is complete. Theses MCC’s correspond to Unit 100 & 200 (LM 6000’s) respectively..
* Water treatment & gas compressor MCC’s ***Internal wiring of the motor buckets did not match the design drawings***. ***Rewiring of the motor starters (buckets) was completed 23 October 2010.***
* **Industrial Egret has cleared customs in Guanto. Material expected to ship 27 October 2010.**
* Unit 300 (7EA GTG Unit) is missing electrical equipment such as main transformer differential relay (GE 745), generator multifunction meter and aux transformer multifunction meter, bus over current relay, 86 T lock out relay, device 74-6 among others This is because CVG A is a Southaven “Even” unit and the equipment missing was installed in the “Odd” Unit installed somewhere else. Tom Koonz is already aware of this issue and actions are being taken to address this situation.
* Flushing of the LM6000 lubrication system and jacking oil will have to be repeated. Vene-Filter a local company will perform the high volume flush next week. The oil sample taken did not meet GE cleanliness criteria for referenced systems.
* ***Commercial issues (lack of payment and cash flow problems) continue to affect project schedule. Suppliers that have not been paid are not delivering materials and/or equipment as needed; and some contractor are already planning on slowing down and possible stopping because of lack of payment.***

1. **CLIENT ISSUES/CONCERNS:**

* 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 by Start Up Group.
* 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 met with the SIDOR’s vendor to discuss their recommendations. EDGI 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 has been submitted to Derwick. Awaiting formal approval. If a Change Order Approval is not received within the next 5 days the water treatment system will not be ready for construction. Start up activities and project completion will be impacted.
* 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. Prior to project closeout it will be necessary to complete the LM 6000 dual fuel conversion. Procurement/delivery of equipment and materials is pending.
* Gas compressors were visually inspected by a local gas compressor service company. Vendor strongly recommended inspection and service to be performed prior to start the equipment. A PO was issued and the service company has started to work; work is being coordinated with start-up activities. **Vendor has completed inspection of the two KCI compressors. Damaged bearings and seals were noted in both compressors. A detailed report is being prepared for each compressor.**

1. **CIVIL:**
   * 1. BOP – Install forms at light pole bases
     2. BOP – Control Building - Pour Apron & Sidewalks
     3. BOP – Control Building Interior Build Out Ongoing
     4. BOP – Control Building Install Exterior Siding
2. **CONCRETE FOUNDATIONS:**
   * 1. Foundations Complete
3. **MECHANICAL:**
   * 1. GT 100 – Turbine Lube Oil Flush Ongoing
     2. GT 200 - Punch List Ongoing
     3. GT 200 – Install pipe supports for package interconnect piping.
     4. GT 300 – Inspect the Inlet Silencer
     5. GT 300 – Install CO2 Piping Turbine Compartment
     6. GT 300 – Alignment of Fuel Pump
     7. GT 300 – Install Exhaust Frame Blower Piping
     8. BOP – Install Cooling Water Piping
     9. BOP – Install Demin Piping to Pumps
     10. BOP - Install Deluge System At GSU Transformers **Complete**
     11. BOP – Install Piping in Water Treatment Building
     12. BOP – Gas Compressor - Supports for Flame Arrestors
     13. BOP - Raw Water Tanks – Final paint coat exterior
4. **ELECTRICAL:**
   * 1. GT 100 & 200 Punch List Ongoing
     2. GT 100 – Neutral Resistor termination
     3. GT 300 – Cable Installation Ongoing
     4. GT 300 – Install Conduit at exterior
     5. GT 300 – SWGR Terminations and connections ongoing
     6. BOP – Water Treatment Install Cable
     7. BOP – Cable installation GT 300 PDC to MH 8
     8. BOP – Water Treatment Cable Terminations
     9. BOP – Gas Compressor MCC Cable Installation
     10. BOP – Install conduit at light pole bases
     11. BOP - Install conduit at Water Forwarding Pumps
     12. BOP – Install CT’s for GT 100 & 200.
5. **INSTRUMENTATION AND CONTROLS:**
   * 1. GT 100 Point to Point Checks in Progress
     2. GT 300 Calibrate Instruments & Install Tubing
     3. GT 300 Powered up 125 v dc to Mark 6 power supplies
6. **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%)

November 5th, 2010

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

November 30, 2010

***Note (\*): These dates are being revised based upon cash flow and commercial issues that are starting to impact the schedule.***

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

October 30, 2010 \*

* + - 1. ***Unit 200 – LM6000***

October 30, 2010 ***\****

* + - 1. ***Unit 300 – 7EA***

November 10, 2010 \*

Note (\*): These dates are being revised based upon cash flow and commercial issues that are starting to impact the schedule.

A revised Start up Schedule has been received with a145 day duration. Durations will be evaluated prior to incorporation into the schedule.

1. **CRITICAL AREAS OF CONCERN:**

* Substantial amount of power and control cable delivery has been received this week. Inventory is in process to determine if all cable has been received.
* **The cooling water circulation pumps were scheduled to ship on 13 October 2010 with an anticipated ETA Site is 25 October 2010. These pumps service both the gas compressors and GT 100 and 200. Pumps are being rescheduled for shipment by water. Delivery will impact start up schedule.**
* Unit 300 (7EA GTG Unit) is missing electrical equipment such as main transformer differential relay (GE 745), generator Malfunction meter and aux transformer multifunction meter, bus over current relay, 86 T lock out relay, device 74-6 among others This is because CVG A is a Southaven “Even” unit ant the equipment missing was installed in the “Odd” Unit installed somewhere else. Tom Koonz is already aware of this issue and actions are being taken to address this situation.
  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:**

****

**Cable Installation Gas Compressor MCC to GT 300 PDC**

****

**GSU 100 Transformer Deluge System**

****

**Control / Maintenance Building Siding Installation**