Charter Template

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| **Project Title: Resolution of metering and quality issues**   |  | | --- | | **Business Case/Objectives:**  **Soku gas plant metering system was designed to accurately measure gas volumes and gas quality. Over the years, several components of the system have failed/ are failing and becoming obsolete, this includes the EGGS GCs, EGGS and GTS Densitometers, dew point analyzers, DOF, Flow Computers etc.**  **The objective of this cadence is to reinstate the metering system and restore accurate volume and quality measurement of gas exported to our Customer to maximize realized value.** | | |  |  |  | | --- | --- | --- | | Potential Benefits & Measurement:  1. Accurate measurement of gas volume and quality  2. Effective reconciliation of produced gas with third parties  3. Increased value from accurate dew point measurement | Project Scope/Actions:  **Phase 1:**  Identify all metering issues/challenges   1. Discrepancy between GTS and EGGS Meter values 2. GTS Metering Skid Moisture Analyzers for online Dew Point Analysis of the gas being Exported through GTS Metering Skid is not functioning 3. EGGS Metering Skid Moisture Analyzers for online Dew Point Analysis of the gas being Exported through EGGS Metering Skid is not functioning. 4. GTS run 1 DOF plate carrier not properly positioned due to restriction. 5. EGGS Gas Chromatograph for Online Gas Analysis at the EGGS Metering Skid are faulty and powered down 6. Ball Valves Upstream & Downstream the Effluent Turbine Meters are all passing 7. Validation of GTS run 2 DOF plate was not carried out due to stuck DOF plate 8. Faulty GTS & EGGS MOVs 9. GTS & EGGS Densitometers are not functioning 10. EGGS Flow Computers are obsolete 11. Temperature Transmitter & Pressure Transmitter on Gas Plant Flare Meters (Analog Input Cards) are currently on fixed values. 12. Condensate Export Line Moisture Analyzers are not functioning and out of calibration   Action Parties: Gloria/Seye/Nsikak  **Phase 2:**   1. Scope work including inviting Vendor where applicable   Action Parties: Gloria/Seye/Nsikak   1. Order Materials/ Parts/ Equipment for all nos above   Action Parties: Richard/Lukmon  **Phase 3:**   1. Implement Replacement/ Repairs / Commissioning   Action Parties: Richard/Lukmon   1. Verify completion and monitor   Action Parties: Gloria/Seye/Nsikak | Critical Success Factors:   * Availability of materials/critical spares * C&P Support and fast track * Budget Cover   Cost Estimate | |      |  |  |  | | --- | --- | --- | | **High-level Timeline:**  L1:  Identify all metering issues/challenges  L2:  Scope work including inviting Vendor where applicable  L3:  Order Materials/ Parts/ Equipment  L4:  Implement Replacement/ Repairs / Commissioning  L5:  Verify completion and monitor | **Summary:** Soku gas plant metering system was designed to accurately measure gas volumes and gas quality. Over the years, several components of the system have failed/ are failing and becoming obsolete, this includes the EGGS GCs, EGGS and GTS Densitometers, dew point analyzers, DOF, Flow Computers etc.  The objective of this cadence is to reinstate the metering system and restore accurate volume and quality measurement of gas exported to our Customer to maximize realized value. | Project Sponsor:  Implementation Lead: Soku PUM  Project Team Lead: Gloria Usiagu/ Oluseye Phillips  Project executions:  OPS/ Maintenance team.  Lukmon Adesina  Njoku Richard  Ekpoh Nsikak | |