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|  | **SOP**  **PM’s on a VRU** | |  | | --- | | Procedure No:  PC-008 | | Revised By/Date  John Ingram 3/30/23 | | Reviewed By/Date  Alex Garay 3/30/23 | | Approved By/Date  Melissa Esparza | |

1. **SCOPE**

This procedure provides Operations with a safe and consistent manner to provide a step-by-step guide for safely and effectively do PM’s on a VRU.

This guideline applies to all Platinum Control employees working at all facilities owned and/or operated by Celerity Energy.

1. **REQUIREMENTS**

Standard Personal Protective Equipment (PPE)

• Gloves

• H2s Monitor

• Safety glasses

• FR Clothing

• Steel toe boots

1. **APPLICABLE DOCUMENTS**

PEC CARD, H2s CLEAR, Company & Customer Orientation

1. **SAFETY AND ENVIROMENT**

• JSA

• LOTO

• Fire Extinguisher

1. **PRE-INSPECTION**

* 1. Check wind direction.
  2. Ensure the VRU is completely turned off and cooled down.
  3. Place the lockout/tag-out on panel & equipment to prevent any accidental re-energizing while working.
  4. Put on safety gloves and goggles to protect your hands and eyes from accidental injury.

1. **INITIAL STEPS**

6.1 Record Suction Pressure (Ounces or PSI)

6.2 Record Discharge Pressure

6.3 Record High-Discharge Kill

6.4 Record Low-Discharge Kill

6.5 Record High-Suction Kill

6.6 Record Low-Suction Kill

6.7 Check Belt Tension

6.8 Inspect Unit Wiring

6.9 Check Interstage Valves (Water Test)

7.0 Check Valve Caps for any Cracking.

7.1 Check Pistons and Liners for any damage.

7.2 Check piping for any Cracks/Leaks

7.3 PRV Date of Calibration

7.4 Purge out any Obstructions from Hoses going to Compressor.

7.5 Clean Oil Controller

7.6 Check Panel Mounts and Bolts

7.7 Check Piping/ Conduit coming into Panel for Damage

**8.0 PROCEDURE**

8.1 Check Compressor Mounts and Bolts

8.2 Grease All Electric Motors with Electric Motor Grease

8.3 Check Motors for any Discrepancies.

8.4 Check Pump Motor Mounts and Bolts

8.5 Grease Condensate Pump with all-purpose grease

8.6 Inspect Love Joy for Damage/Wear/Tear

8.7 Check for Leaks on Condensate Pump

8.8 Check Condensate Pump Mounting Bolts

8.9 Check Set Screws

9.0 Check High Level Switch for Kills

9.1 Check Low Level Switch for Pump Operation

9.2 Check wiring on both switches for Discrepancies.

9.3 Check Floats to make sure they are not stuck.

9.4 Check bottom outlet on Scrubber for any obstruction.

9.5 Check Scrubber Sight Glass for Leaks

9.6 Check Skid Brackets

9.7 Check PLC Setpoints

9.8 Check High/ Low Alarms

9.9 Open Panel and Blow out IF APPICABLE

10.0 Check Dial Indicators are set properly om MMS and Motor Saver

10.1 Check for Loose Connections

10.2 Check Wiring for any Discrepancies.

10.3 Check Panel is Sealed to keep water out.

10.4 Check HOA Switches that they work in Auto and Hand

10.5 Check Motor Rotations

10.6 Check Front Seals for Leaks

10.7 Check for any Defect on Motors- Noisy, Winding, Grinding, Knocking etc...

10.8 Inspect inline Check Valve

10.9 Check Scavenger line Flow.

1. Check MPV (3-Way Valve)

11.1 Check Witches Hat

**12.0 POST – PROCEDURE PRECAUTIONS**

Make sure all tools and materials are properly stored away.

12.1 Verify that the VRU is operating properly.

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