

ATTACHMENT 4 : AIR HEATER STARTUP AND SHUTDOWN STEP UP CARD

Trainee: Assmy-Lawrence

Role: PC

Skill Owner: Musa-Hassim

Qualifier: Musa-Hassim

| S/N | Skill | Task | Target Profile | Self Evaluation Date | First Evaluation Date | Final Evaluation Date |
|-----|---------------------------------|---|-------------------|-------------------------|--------------------------|--------------------------|
| 1 | | Can startup exhaust fan both on auto and manual modes | 3 | 12/04/22 | 12/04/22 | 12/04/22 |
| 2 | | Understands exhaust fan operating mode for air-heater startup | 3 | 12/04/22 | 12/04/22 | 12/04/22 |
| 3 | | Can explain the purpose of 'control release' | 3 | 12/04/22 | 12/04/22 | 12/04/22 |
| 4 | | Can identify the status of all manual valves on ignition line required to startup the air heater | 3 | 12/04/22 | 12/04/22 | 12/04/22 |
| 5 | | Can switch-on Saacke power panel and reset the panel | 3 | 12/04/22 | 12/04/22 | 12/04/22 |
| 6 | | Can activate burner valve for oil and gas operation | 3 | 12/04/22 | 12/04/22 | 12/04/22 |
| 7 | | Can identify the status of all manual valves on fuel line required to startup the air heater | 3 | 12/04/22 | 12/04/22 | 12/04/22 |
| 8 | | Understand the need to verify that no work is ongoing around the tower / cyclone | 3 | 12/04/22 | 12/04/22 | 12/04/22 |
| 9 | | Can navigate local panel HMI | 3 | 12/04/22 | 12/04/22 | 12/04/22 |
| 10 | | Can launch air-heater startup on gas | 3 | 12/04/22 | 12/04/22 | 12/04/22 |
| 11 | | Can launch air-heater startup on oil | 3 | 12/04/22 | 12/04/22 | 12/04/22 |
| 12 | | Can change the air heater from local operation mode to 'remote operation mode' | 3 | 12/04/22 | 12/04/22 | 12/04/22 |
| 13 | | Can divert from stack to tower and vice-versa | 3 | 12/04/22 | 12/04/22 | 12/04/22 |
| 14 | AIR HEATER STARTUP AND SHUTDOWN | Understand the need to increase inlet temperature in gradual steps when heating up the tower from long shutdown | 3 | 12/04/22 | 12/04/22 | 12/04/22 |
| 15 | | Can adjust dilution damper setting | 3 | 12/04/22 | 12/04/22 | 12/04/22 |
| 16 | | Understand the inlet temperature setup for air-heater idle operation | 3 | 12/04/22 | 12/04/22 | 12/04/22 |
| 17 | | Can ready the air-heater for shutdown on gas and oil operation | 3 | 12/04/22 | 12/04/22 | 12/04/22 |
| 18 | | Can launch air-heater shutdown on gas and oil operation | 3 | 12/04/22 | 12/04/22 | 12/04/22 |
| 19 | | Can identify the status of all manual valves on ignition line when air-heater is not in operation | 3 | 12/04/22 | 12/04/22 | 12/04/22 |
| 20 | | Can identify the status of all manual valves on main fuel line when air-heater is not in operation | 3 | 12/04/22 | 12/04/22 | 12/04/22 |
| 21 | | Can shutdown Saacke panel | 3 | 12/04/22 | 12/04/22 | 12/04/22 |
| 22 | | Can start/stop the diesel transfer pump at OPA diesel dke | 4 | 12/04/22 | 12/04/22 | 12/04/22 |
| 23 | | Can switch air heater operation from diesel to gas | 3 | 12/04/22 | 12/04/22 | 12/04/22 |
| 24 | | Can swap LPG cylinder for ignition gas supply | 3 | 12/04/22 | 12/04/22 | 12/04/22 |
| 25 | | Know what to do in case of ignition flame failure | 3 | 12/04/22 | 12/04/22 | 12/04/22 |
| 26 | | Know what to do in case of ignition flame not detected | 3 | 12/04/22 | 12/04/22 | 12/04/22 |
| 27 | | Know what to do in case of main flame failure | 3 | 12/04/22 | 12/04/22 | 12/04/22 |
| 28 | | Know what to do in case of main flame not detected | 3 | 12/04/22 | 12/04/22 | 12/04/22 |
| 29 | | Can remove, clean and re-install flame scanner | 3 | 12/04/22 | 12/04/22 | 12/04/22 |

Signature of Trainee

Date of Qualification

Signature of Qualifier

Date of Qualification

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| SOP OWNER  Musa Nasiru Date: 12/04/2022 | HSE APPROVAL  Adedoyin Adebisi Date: 13/03/2022 | QA APPROVAL  Oluwale Alawode Date: 13/04/2022 | AUTHORISATION  Nadeeb Daramola Date: 17/04/2023 |
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