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1.0 PURPOSE AND SCOPE

1.1 Purpose

This procedure provides instructions to setup 241-AZ-702 equipment prior to calibration.

1.2 Scope

This procedure involves:

- Equipment setup prior to calibrating primary ventilation filter train temperature transmitters TT-AZK102-1A, TT-AZK102-3A, TT-AZK102-1B, and TT-AZK102-3B
- Equipment setup prior to calibrating primary ventilation filter train heater controllers TIC-AZK102-1A and TIC-AZK102-1B
- Equipment setup prior to calibrating 241-AZ-702 primary ventilation Stack CAM.

2.0 INFORMATION

2.1.1 Sections of this procedure may be performed independently as required for maintenance activities.

3.0 PRECAUTIONS AND LIMITATIONS

3.1 Personnel Safety

3.1.1 Non-electrical worker accessing electrical enclosures must ensure the following:

- The enclosure must have a white label indicating that it has been evaluated.
- The work activity within the enclosure does not involve:
  - Reaching around or moving electrical equipment
  - Contacting electrical connectors/connections
  - By-passing protective shielding/barriers.

3.1.1.1 Stop and notify management if these conditions cannot be met, or if discrepancies exist (e.g. conflicting or missing labels, missing or damaged protective barriers).
3.2 Radiation and Contamination Control

When this procedure is worked in radiological areas, an approved radiological work permit (RWP) is required. If radiological conditions or work performed falls outside the scope of the RWP, all work activities must be discontinued until a new or revised RWP has been issued in accordance with TFC-ESHQ-RP_RWP-C-03.

3.3 Environmental Compliance

Tank Farm ventilation systems and exhaust monitoring systems are regulated under Washington State Administrative Code (WAC) Chapters 173-400, 173-401, 173-460 and 246-247 and applicable Notices of Construction issued to ensure compliance with these regulations. To ensure reporting requirements are met, all planned and unplanned outages of Tank Farm ventilation equipment and exhaust monitoring systems, including portable exhausters, must be reported to the Environmental On-Call List per TFC-ESHQ-ENV_FS-C-01 and TFC-OPS-OPER-C-57. Environmental will determine and make the required notifications pertaining to ventilation system outages.

If functional checking of the CAM fails, Environmental shall be notified per the Environmental On-Call List.

3.4 Limits

HNF-SD-WM-TSR-006, Tank Farms Technical Safety Requirements
- LCO 3.1, DST Primary Tank Ventilation Systems.

4.0 PREREQUISITES

4.1 Performance Documents

The following documents may be needed to perform this procedure:
- TO-060-350, Start, Stop and Operate AY/AZ Tank Ventilation Primary Exhaust System
- TO-060-356, Perform 702-AZ Exhauster Monitor and Control Operations
- 3-RM-626, 702-AZ Primary Exhaust Stack Radiation Monitor Alarm/Interlock Functional Check
- 6-RM-168, Eberline AMS-4 Continuous Air Monitor Calibration and Field Installation
- 6-TCD-311, Foxboro Model 893RA-Q Temperature Transmitter Calibration
- 6-TCD-312, Watlow Mode 988 and EZ Zone PM Temperature Controller Calibration.
5.0 PROCEDURE

NOTE - Sections of this procedure may be performed independently as required for maintenance activities.

5.1 Lineup Primary Ventilation System for Calibration of A Train Components

5.1.1 IF primary ventilation is operating, ENSURE B Filter Train is the active train.

5.1.2 NOTIFY Shift Manager to initiate time monitoring per LCO 3.1.B. (LCO 3.1)

5.1.3 ON MCS graphic screen 17, ENSURE AZ-K1-2-1A heater is in MANUAL and OFF.

5.1.4 ON MCS graphic screen 17, ENSURE the following valves are in MANUAL:
   • MK-AZK1-1A
   • MK-AZK1-2A.

5.1.5 NOTIFY I & C Technicians that heater controller and temperature transmitter calibrations for primary filter A train can commence.

5.1.6 AFTER I & C Technicians have completed calibrations, PERFORM the following:

5.1.6.1 ENSURE all object error and priority command conditions are RESET for the following:
   • valve MK-AZK1-1A
   • valve MK-AZK1-2A
   • Heater AZ-K1-2-1A.

5.1.6.2 ENSURE valve MK-AZK1-1A is OPEN.

5.1.6.3 RESTORE system to pre-calibration configuration.

5.1.7 NOTIFY Shift Manager to stop time monitoring per LCO 3.1.B. (LCO 3.1)
5.2 Lineup Primary Ventilation System for Calibration of B Train Components

5.2.1 If primary ventilation is operating, **ENSURE** A Filter Train is the active train.

5.2.2 **NOTIFY** Shift Manager to initiate time monitoring per LCO 3.1.B. \( LCO \, 3.1 \)

5.2.3 **ON** MCS graphic screen 17, **ENSURE** AZ-K1-2-1B heater is in MANUAL and OFF.

5.2.4 **ON** MCS graphic screen 17, **ENSURE** the following valves are in MANUAL:

- MK-AZK1-1B
- MK-AZK1-2B.

5.2.5 **NOTIFY** I & C Technicians that heater controller and temperature transmitter calibrations for primary filter B train can commence.

5.2.6 **AFTER** I & C Technicians have completed calibrations, **PERFORM** the following:

5.2.6.1 **ENSURE** all object error and priority command conditions are **RESET** for the following:

- valve MK-AZK1-1B
- valve MK-AZK1-2B
- Heater AZ-K1-2-1B.

5.2.6.2 **ENSURE** valve MK-AZK1-1B is OPEN.

5.2.6.3 **RESTORE** system to pre-calibration configuration.

5.2.7 **NOTIFY** Shift Manager to stop time monitoring per LCO 3.1.B. \( LCO \, 3.1 \)
5.3 Lineup Ventilation System for Removal and Calibration of Primary Stack CAM

5.3.1 **NOTIFY** Shift Manager 241-AZ-702 Primary Stack CAM Interlock Bypass Switch is being placed in BYPASS to allow CAM removal for calibration.

5.3.2 **NOTIFY** Shift Manager to initiate time monitoring per LCO 3.1.A. (LCO 3.1)

5.3.3 **POSITION** CAM Interlock Bypass Switch HS-AZK1-3 to BYPASS for the operating fan.

5.3.4 **NOTIFY** I & C Technicians that Primary Stack CAM removal and calibration can commence.

5.3.5 **AFTER** I&C Technicians have completed calibrations and re-installed the Primary Stack CAM, **PERFORM** the following:

5.3.5.1 **ENSURE** CAM is turned on and operable.

5.3.5.2 **ON** MCS graphic screen 18, **ENSURE** primary stack CAM high rad alarm (RAH-AZK1-1) is clear (green).

5.3.5.3 **IF** high rad alarm needs to be reset, **PRESS** pushbutton PB-AZK1-1, at primary stack cabinet (CAB-AZK1-1).

5.3.5.4 **POSITION** primary stack CAM Interlock Bypass Switch (HS-AZK1-3) on the primary stack cabinet (CAB-AZK1-1) to ENABLE.

5.3.5.5 **RESTORE** system to pre-calibration configuration or as directed by Shift Manager/OE **AND**

**REQUEST** Shift Manager record system configuration.

5.3.6 **NOTIFY** Shift Manager to stop time monitoring per LCO 3.1.A. (LCO 3.1)

5.4 Records

**NOTE** - No records are generated during the performance of this procedure.

The record custodian identified in the Company Level Record Inventory and Disposition Schedule (RIDS) is responsible for record retention in accordance with TFC-BSM-IRM_DC-C-02.