Emergency Loss of 241-AZ-702 Electrical Power

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1.0 PURPOSE AND SCOPE

1.1 Purpose

This procedure provides instructions for emergency loss of 241-AZ-702 electrical power.

1.2 Scope

This procedure involves 241-AZ-702 electrical systems.

2.0 INFORMATION

NONE

3.0 PRECAUTIONS AND LIMITATIONS

3.1 Radiation and Contamination Control

Work in radiological areas will be performed using a Radiological Work Permit following review by Radiological Control per the ALARA Work Planning procedure TFC-ESHQ-RP_RWP-C-03.

4.0 PREREQUISITES

NONE
5.0 PROCEDURE

NOTE - As long as this procedure is reviewed after completing Attachment 1, Tank Farms Conduct of Operations allows performance of this procedure using only Attachment 1. Review after use assures no required actions were overlooked.

5.1 Emergency Loss of 241-AZ-702 Electrical Power

Initiating Conditions

5.1.1 IF a loss of electrical power to the 241-AZ-702 facility is confirmed, ENTER this procedure:

Perform Personnel Protective Actions

5.1.2 IF normal power has been lost, COMMUNICATE using any of the following:
   - Radios
   - Cell phones
   - Bullhorn
   - If still operational, intercom system
   - Face-to-face voice.

5.1.3 IF bullhorn is used for communication, PERFORM the following:

5.1.3.1 SET control switch to “FOG” position.

5.1.3.2 SET volume to 10.

5.1.3.3 AIM bullhorn at tank farm to be communicated with.

5.1.3.4 DEPRESS sound button for 5 seconds.

5.1.3.5 SET control switch to “TALK” position.

5.1.3.6 COMMUNICATE required instructions to tank farm personnel.
5.1 Emergency Loss of 241-AZ-702 Electrical Power (Cont.)

5.1.4 DIRECT all personnel in AY and AZ Tank Farms to stop work and immediately exit facility via nearest change trailer/egress tent.

5.1.5 DIRECT all personnel in 241-AZ-701 Generator Building and/or 241-AZ-702 Ventilation Building to stop work and to immediately exit buildings.

5.1.5.1 WHEN all personnel have exited buildings, CLOSE AND LOCK all building doors.

5.1.6 NOTIFY Shift Manager of the following:
- Loss of 241-AZ-702 power
- Completion of Steps 5.1.4 through 5.1.5.1.

5.1.7 POST AY and AZ Farms as Vapor Control Zones (VCZs).

5.1.8 REMIND Shift Manager/OE of need to notify Environmental on-call representative of 702-AZ electrical system status.

5.1.9 REQUEST Shift Manager make a general Tank Farm announcement stating access to AY and AZ Tank Farms is restricted to essential personnel as designated by Shift Manager:

5.1.10 AS directed by Shift Manager, CONTINUE to restrict access to 241-AY and AZ Tank Farms, 241-AZ-702 Ventilation, and 241-AZ-701 Generator Buildings to essential personnel.

5.1.11 WHEN power is restored or as directed by Shift Manager, RECOVER from loss of power condition.

5.2 Records

No records are generated during the performance of this procedure.
Emergency Loss of 241-AZ-702 Electrical Power

Attachment 1 – 241-702-AZ Loss of Power Logic Diagram

INITIATING CONDITIONS
A loss of electrical power to the 241-AZ-702 facility is confirmed.

DIRECT personnel inside AY and AZ Tank Farm to immediately stop work and exit to nearest change trailer/egress tent.

DIRECT personnel in Generator or Ventilation Buildings to immediately stop work and exit buildings.

SECURE AND LOCK all building doors once all personnel have exited.

NOTIFY Shift Manager of Status AND REQUEST the following support:
- Additional operators
- HPT assistance
- General tank farm announcement stating A-Farm access is restricted to essential personnel

CONTINUE to restrict access to 241-AY/AZ Farms as directed by Shift Manager.

PERFORM 241-AY/AZ Tank Farm tank waste monitoring as directed by Shift Manager.

WHEN power is restored or as directed by Shift Manager SECURE from loss of power condition.