Perform Scheduled Electrical Power Outage on Power Distribution Skid 241-AY-PDP-1

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1.0 PURPOSE AND SCOPE

1.1 Purpose

This procedure supports a planned 241-AY electrical power outage for maintenance, inspection, cleaning or replacement of electrical equipment.

1.2 Scope

This procedure may be performed by de-energizing main farm isolations fed from C8X550 Utilities pole switch.

Impacted by this outage: (F8X693) - Panel board “A”, F8X694 - AY-PDP-1, F8X695 - Cathodic Protection, F8X696 - MO-513.

(See Drawing H-2-824696, sh.2 and H-2-2126 sh. 5, H-14-030006, sh. 1).

This outage de-energizes equipment powered VIA Power Distribution Panel AY-PDP-1 and Motor Control Center AY801A-EDS-MCC-001. The AY801A building equipment is associated with the 241-AY farm panel boards, floodlights, Annulus ventilation system, Annulus CAMs, AY tank annulus and primary ENRAFs, AY101 DST Annulus High-Level Alarm (Automation) and transfer pumps in AY farm.

The AY Farm Primary Ventilation System is not affected by this outage procedure. Fire systems effected: None. Buildings effected: AY801A.

Washington State Administrative Code

WAC 173-303-380, Facility Record Keeping.

WAC 173-400, General Regulations For Air Pollution Sources.

WAC 173-460, Controls For New Sources Of Toxic Air Pollutants.

WAC 246-247, Radiation Protection, Air Emissions.
2.0 INFORMATION

2.1 General Information

2.1.1 Resources needed:
- NCO
- Instrument Tech
- IHT
- HPT
- Electricians.

2.1.2 Power loads from C8X550 are as follows (Ref. H-2-2126 SH 5, H-2-824696 SH 2, H-2-99389 SH 5):
- F8X693 – PANEL A
  - POR399 (MO-131)
  - Carpenter shop 2767E
  - Electrical shop 2237E.
- F8X694 – AY-PDP-1
  - POR474 (BKR 100)
  - AY801A-EDS-MCC-001.
- F8X695 – AY241-CATH-DS-104 (Cathodic Protection)
- F8X696 – AY241-EDS-DS-101
  - AY241-EDS-DS-102
  - MO-513 (AY-1 Change Trailer).
3.0 PRECAUTIONS AND LIMITATIONS

3.1 Personnel Safety

NOTE: Electrical components directly fed from a utilities transformer that do not meet the criteria of NFPA 70E Table 130.7 (C) (9) Notes will require Arc Flash Protection based on calculated values documented on an Electrical Hazard Evaluation.

3.1.1 Personnel trained in the operation of breakers and disconnects will wear the following PPE as a minimum:
- Non-melting (untreated natural fiber) long-sleeved shirt
- Safety glasses
- Leather or insulating gloves
- Hearing protection.

3.1.2 Compliance with DOE-0336, Hanford Site Lockout/Tagout Procedure and DOE–0359, Hanford Site Electrical Safety Program is required when working this procedure.

3.1.3 Ensure an Electrical Hazard Evaluation has been completed to address shock and arc flash hazards.

3.2 Radiation and Contamination Control

3.2.1 This Procedure is supporting a Maintenance activity. Work will be done in accordance with a Radiological Work Permit incorporated in a specific work package.

3.2.2 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.
3.3 Environmental Compliance

3.3.1 Notify Environmental prior to power outage (suggested 7 days) and TMACS prior to (morning of) power outage.

3.3.2 The following systems will be inoperable for the duration of the power outage:
- AY Annulus ventilation
- AY Annulus CAMs.

3.3.3 The following system may continue to operate on temporary power:
- AY tank annulus ENRAFs
- AY tank primary ENRAFs.

3.3.4 The Environmental representative shall verify that the following are completed per OSD-T-151-00031:

3.3.4.1 Washington State Department of Ecology is notified of the outage and/or use of any alternate leak detection systems.

3.3.4.2 Alternate leak detection requirements during the outage are documented in a letter/internal memo from the Environmental Compliance manager to the Senior Level 1 manager of Production Operations.

3.3.4.3 Ecology is notified of Out-of-Service (OOS) conditions, with a schedule from 3.3.5.2a, extending beyond 90 days.

3.3.5 Operations shall:

3.3.5.1 For outages greater than 24 hours and requiring alternative leak detection, implement monitoring requirements per internal memo generated in 3.3.4.2.

3.3.5.2 Track the leak detection system or device outage on the TSR/Environmental Equipment OOS section of the TOC Daily Report with an initial “Required By Date” not to exceed 90 days.

(a) Prepare a recovery plan representing returning the leak detection system, or device, back to service as soon as possible should the OOS condition reach 90 days. Provide the recovery plan schedule to the Environmental Representative for completion of 3.3.4.3.

3.3.6 Per WAC 173-303-640 and TFC-ESHQ-ENV-FS-C-01, Environmental Notification, Environmental must be notified if Cathodic Protection System will be de energized.
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3.4 Limits

TECHNICAL SAFETY REQUIREMENTS

HNF-SD-WM-TSR-006, Tank Farms Technical Safety Requirements

LCO 3.5 DST Annulus Flammable Gas Control (LCO 3.5)
(SR 3.5.1: Verify DST annulus waste level is ≤ 15 in., within every 48 hours.) (241-AY-102).

LCO 3.10 Waste Transfer System Freeze Protection (Automation).

LCO 3.11 DST Annulus High-Level Alarm (Automation).

OPERATING SPECIFICATIONS DOCUMENTS


RPP-16922 Environment Specification Requirements
4.0 PREREQUISITES

4.1 Special Tools, Equipment, and Supplies

The following equipment and materials may be needed to perform this outage:

- Portable Air Compressor
- Portable light plants
- Portable Generators
- Signs and Barricades
- Voltage rated gloves
- Other tools, equipment and supplies as identified by Shift Manager/OE/FWS/User.

4.2 Performance Documents

The following procedures and drawings may be needed to perform this procedure:

- HNF-5183, Tank Farms Radiological Control Manual (TFRCM)
- TO-060-120, Operate TK-241-AY-101 Annulus Ventilation System
- TF-OR-DR-AZ, AZ Daily Rounds
- H-14-030006, Electrical One Line Diagram
- H-2-818693, Electrical AY-Farm One-Line Diagram
- H-2-818696, Electrical AY-Farm Seismic Shutdown Sys Elementary Diagram
- H-2-99389, Electrical AY-Farm One Line Diagram, Sheet 5
- H-2-2126, Electrical Utilities Switching Diagram
- DOE-0336, Hanford Site Lockout/Tagout Procedure
- DOE-0359, Hanford Site Electrical Safety Program.
4.3 Field Preparation

NOTE - Signature Sheet 1 requirement is on-going as new individuals become involved in the procedure.

- Individual steps in this section 4.3 may be worked in any logical order, sequence or in parallel.

4.3.1 ENSURE all personnel performing signatory steps of this procedure enter their printed name, signature and initials on Signature Sheet 1.

4.3.2 DETERMINE if alternate power is available for the following AND CHECK one:

<table>
<thead>
<tr>
<th>Location / Equipment</th>
<th>Alternate power is available.</th>
<th>Alternate power is NOT available</th>
</tr>
</thead>
<tbody>
<tr>
<td>AY101 DST Annulus High-Level Alarm (Automation)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>AY tanks primary ENRAFs</td>
<td></td>
<td></td>
</tr>
<tr>
<td>AY Annulus ventilation</td>
<td></td>
<td></td>
</tr>
<tr>
<td>AY Cathodic Protection</td>
<td></td>
<td></td>
</tr>
<tr>
<td>TMACS communication for AY annulus and primary ENRAFs</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Annulus CAMs</td>
<td></td>
<td></td>
</tr>
<tr>
<td>AY-151 Tank Level Indicating Transmitter</td>
<td></td>
<td></td>
</tr>
<tr>
<td>AY tank annulus ENRAFs</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

________________________ / ______________________ / ____________
Signature                      Print (First and Last)                     Date
Shift Manager /OE

4.3.3 IF needed to support outage activities, ENSURE utilities have been notified at 373-2077 prior to outage.

NOTE - Power loads from C8X550 are listed in 2.1 General Information.

4.3.4 REVIEW the Lock & Tag Logbook and Administrative Lock Logbook to determine whether currently installed locks and tags will interfere with this work scope.
4.3 Field Preparation (Cont.)

NOTE - Surveillance Requirement (SR) 3.5.1 requires annulus waste level be verified ≤ 15 inches within every 48 hours, therefore power must be restored, alternate power provided, or alternate means provided for leak detection to allow taking these readings.

4.3.5 **ENSURE** this outage is scheduled so as not to prevent annulus leak detection monitoring and obtaining primary tank level readings in AY-101 and AY102 tanks on a daily basis.

**OR**

IF “EITHER” liquid level readings or annulus leak detection monitoring cannot be taken, **ENSURE** the following:

- Environmental has granted permission to exceed the frequency of daily liquid level measurements
- Environmental has issued a letter which documents alternate leak detection requirements per OSD-T-151-00031. (Refer to Step 3.3.4)

4.3.6 **ENSURE** Environmental has been informed per Environmental On Call List, of the intended planned outage of AY-Farm.

4.3.6.1 **IF** determined as required by Step 4.3.5, **VERIFY** the alternate leak detection requirement letter has been issued. (OSD-T-151-00031, RPP-16922)

4.3.7 **CONDUCT** a review of all applicable farm rounds for outage impact to TSR and Environmental surveillance requirements **AND**

**IMPLEMENT** any required mitigating actions.

4.3.8 **IF** Outage will render the AY101 DST Annulus High-Level Alarm (Automation) INOPERABLE, **CHECK** that the requirements of LCO 3.11 can be met. (LCO 3.11)
4.3 Field Preparation (Cont.)

NOTE - Condensate Transfers from AZ-301 are allowed during this outage.

4.3.9 IF primary level and secondary leak detection is not available, ENSURE no transfers (except for condensate transfers from AZ-301) are allowed, into or out of AY-Farm Tanks during this electrical outage.

NOTE - Individual "As-Found" breaker positions may be entered at any time prior to cleaning, and may be done in any sequence as directed by the field work supervisor.

- As directed by Shift Manager/OE, depending on work to be performed during the power outage, breaker positions on Data Sheet 1, Data Sheet 2 and Data Sheet 3 may be NA.

4.3.10 RECORD "As-Found" position of Circuit Breakers/Compartments, on Data Sheet 1, Data Sheet 2 and Data Sheet 3.

4.3.11 ENSURE all Waste Transfer Pumps physically connected to AY Farm are under administrative control.

4.3.12 VERIFY Section 4.3 has been completed.

_________________________ / ______________________ / _______
Signature Print (First and Last) Date
Shift Manager /OE
5.0 PROCEDURE

5.1 Leak Detection Operability

NOTE - Surveillance Requirement 3.5.1 requires AY102 annulus waste level be verified ≤ 15 inches within every 48 hours, therefore power must be restored, alternate power provided, or alternate means provided for leak detection to allow taking these readings.

5.1.1 IF directed by Shift Manager due to outage extending beyond 48 hours, ESTABLISH Leak Detection operability as follows: (LCO 3.5).

5.1.1.1 RAISE AY101 and AY102 annulus leak detector ENRAFs.
5.1.1.2 FREEZE ENRAFs into position.
5.1.1.3 SECURE normal power.
5.1.1.4 INSTALL temporary power.
5.1.1.5 UNLOCK ENRAFs.
5.1.1.6 LOWER ENRAFs to operating position.

5.1.2 RAISE AY101 and AY102 primary tank level ENRAF’s approximately 36 inches above waste.

5.1.2.1 FREEZE AY101 and AY102 primary tank level ENRAF’s into position.
5.1.2.2 SECURE power to ENRAF’s.

5.1.3 ENSURE applicable PCM-1B equipment has been shut down.
### Leak Detection Operability (Cont.)

5.1.4 **IF** directed by Shift Manager, **ENSURE** AY-Farm Annulus Ventilation System is **SHUT DOWN** per TO-060-120 *(OSD-T-151-00007)*.

5.1.5 **IF** directed by Shift Manager, **SHUT DOWN** each PLC for MCS system as follows:

**NOTE** - PLC chassis are located inside PLC cabinet AY801A-WST-MUX-100, AY101-VTP-ENCL-100 and AY102-VTP-ENCL-200 for MCS system.

5.1.5.1 **POSITION** rocker switches on each PLC chassis in PLC enclosures to the "0" or OFF position.

5.1.5.2 **POWER DOWN** PLC modem.
## 5.2 Shedding Loads

### 5.2.1 CONFIRM

Notification has been made to TMACS 373-2618 before taking down power to the AY801A building Leak Detection and other associated alarms will be received during this outage.

### 5.2.2 ENSURE

Environmental has been informed per Environmental On Call List, of the intended planned outage of the Cathodic Protection System.

<table>
<thead>
<tr>
<th>Signature</th>
<th>Print (First and Last)</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Environmental Field Rep.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### 5.2.3 OBTAIN

Permission from Shift Manager/OE to commence AY-Farm power outage.

<table>
<thead>
<tr>
<th>Signature</th>
<th>Print (First and Last)</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>FWS/OE</td>
<td></td>
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</tbody>
</table>

### 5.2.4 ENSURE

Personnel trained in the operation of breakers and disconnects dons PPE (refer to Section 3.1).

**NOTE** -

- Actions in Step 5.2.5 for Data Sheet 1, Data Sheet 2 and Data Sheet 3, may be worked in sequence, parallel or simultaneously, as directed by the (FWS) Field Work Supervisor.

- As directed by Shift Manager/OE, depending on work to be performed during the power outage, Loads on Data Sheet 1, Data Sheet 2 and Data Sheet 3 may be NA.

### 5.2.5 OPEN (OFF)

Circuit Breakers/Compartments for Data Sheet 1, Data Sheet 2 and Data Sheet 3 for work being performed.
5.3 Perform Electrical Maintenance Activities

5.3.1 **ENSURE** electrical power is isolated to AY Tank farm, per applicable work package.

5.3.2 **IF** Administrative Locks are to be removed to support maintenance activities, perform the following:

5.3.2.1 **NOTIFY** Shift Manager/Delegate to specify and implement the correct administrative lock controls per TFC-OPS-OPER-C-22.

5.3.2.2 **REMOVE** any existing Administrative Locks needed to complete the maintenance activities.

5.3.3 **REMOVE** any existing locks and tags as necessary to complete the maintenance activities, in accordance with DOE-0336, Hanford Site Lockout/Tagout Procedure.

5.3.4 **REMOVE** any existing caution tags as necessary to complete the maintenance activities, in accordance with TFC-OPS-OPER-C-39 Caution Tag Program.

5.3.5 **AFTER** electrical maintenance activities are complete, **ENSURE** all administrative locks removed during maintenance are RE-INSTALLED before restoring power to affected AY-Farm systems.

5.3.6 **ENSURE** all electrical circuits that will be locked out or caution tagged, after restoration of power, have their power supply breakers/switches in the OPEN/OFF position.

5.3.6.1 **ENSURE** locks/tags removed to perform maintenance and cleaning activities are re-installed, in accordance with DOE-0336, Hanford Site Lockout/Tagout Procedure.

5.3.7 **INSTALL** any existing caution tags following completion of maintenance activities, in accordance with TFC-OPS-OPER-C-39 Caution Tag Program.

5.3.8 **ENSURE** all farm electrical equipment is in a SAFE configuration to be re-energized.

5.3.9 **ENSURE** work is **COMPLETE** and tools/test equipment are removed from work areas.

_________________________________ / __________________________ / __________
Signature Print (First and Last) Date
FWS
5.4 Restoration

5.4.1 **OBTAIN** permission from Shift Manager to clear lock and tag, to commence startup of Facility.

________________________ / __________________________ / ________
Signature                  Print (First and Last)                   Date
FWS

5.4.2 **BEFORE** energizing/de-energizing electrical breakers/disconnects in this section, **ENSURE** personnel trained in the operation of breakers and disconnects dons PPE (refer to Section 3.1).

**NOTE** - Actions in Step 5.4.3 for Data Sheet 1, Data Sheet 2 and Data Sheet 3 may be worked in sequence, parallel or simultaneously, as directed by the (FWS) Field Work Supervisor.

- As directed by Shift Manager/OE, depending on work to be performed during the power outage, breaker positions on Data Sheet 1, Data Sheet 2 and Data Sheet 3 may be NA.

5.4.3 **ENSURE** all applicable Breakers/Compartments listed on Data Sheet 1, Data Sheet 2 and Data Sheet 3 are returned to “As Found” positions,

**OR**

**IF** directed by OE assigned to field work, **ENSURE** all applicable Breakers/Compartments listed on Data Sheet 1, Data Sheet 2 and Data Sheet 3 are returned to position(s), dictated by current field conditions.

5.4.4 **ENSURE** applicable PCM-1B equipment has been restored to operational.

5.4.5 **RAISE** AY101 and AY102 annulus leak detector ENRAFs as follows:

5.4.5.1 **RAISE** the ENRAF.

5.4.5.2 **FREEZE** ENRAFs into position.

5.4.5.3 **SECURE** temporary power.

5.4.5.4 **RETURN** to normal power.

5.4.5.5 **UNLOCK** ENRAFs.

5.4.5.6 **LOWER** ENRAFs to operating position.
5.4 Restoration (Cont.)

5.4.6 TURN ON power to AY101 and AY102 Primary Tank Level ENRAFs.

5.4.6.1 RESTORE AY101 and AY102 Primary Tank Level ENRAFs to normal operations.

5.4.7 IF directed by Shift Manager, RESTART each PLC for MCS system as follows:

NOTE - PLC chassis are located inside PLC cabinet AY801A-WST-MUX-100, AY101-VTP-ENCL-100 and AY102-VTP-ENCL-200 for MCS system.

5.4.7.1 ENSURE PLC modems are ON.

5.4.7.2 POSITION rocker switches on each PLC chassis in PLC enclosures for MCS system to the “I” or ON position.

5.4.8 IF directed by Shift Manager/OE, ENSURE AY-Farm Annulus Ventilation System is RE-STARTED per TO-060-120.

5.4.9 COMPLETE Inspection of Cathodic Protection System Rectifiers per 5-CATH-221 to verify all rectifiers are operational.

5.4.10 ENSURE all fieldwork is complete and all applicable documentation in this procedure is filled out and signed.

5.4.11 ENSURE any applicable alarms have cleared AND INFORM TMACS operator 373-2618 and Shift Manager/OE, that Maintenance Outage is complete.

5.4.12 NOTIFY Environmental Field Representative that the power outage is complete and environmental systems, such as cathodic and leak detection systems, have been restored.
5.5 Records

5.5.1 **PERFORM** the following for records identified within this procedure.

5.5.1.1 **RECORD** the number of times the record was generated in applicable column

**OR**

5.5.1.2 **SUBMIT** the package for verification of completed records.

<table>
<thead>
<tr>
<th>Records Submittal Checklist</th>
<th>Number of times completed</th>
<th>N/A (✓)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>4.3 Field Preparation</strong></td>
<td></td>
<td></td>
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<tr>
<td>Step 4.3.2</td>
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<td></td>
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<tr>
<td>Step 4.3.6.1</td>
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<td>Step 4.3.7</td>
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<td>Step 4.3.8</td>
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<tr>
<td>Step 4.3.12</td>
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<tr>
<td><strong>5.2 Shedding Loads</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Step 5.2.2</td>
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<td></td>
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<td>Step 5.2.3</td>
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<td></td>
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<tr>
<td><strong>Data Sheets</strong></td>
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<tr>
<td>Data Sheet 1 – Loads Fed From C8X550 Pole Disconnect</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Data Sheet 2 – AY-PDP-1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Data Sheet 3 – AY801A-EDS-MCC-001</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Signature Sheets</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Signature Sheet 1</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

FWS/OE/Shift Manager **SEND** the completed records to the Central Shift Office for records retention.

<table>
<thead>
<tr>
<th>Signature</th>
<th>Print (First and Last)</th>
<th>Date</th>
</tr>
</thead>
</table>

The record custodian identified in the company-level Records Inventory and Disposition Schedule (RIDS) is responsible for record retention in accordance with TFC-BSM-IRM_DC-C-02.
TSR Compliance

Perform Scheduled Electrical Power Outage on Power Distribution Skid 241-AY-PDP-1

Data Sheet 1 – Loads Fed From C8X550 Pole Disconnect

<table>
<thead>
<tr>
<th>COMPT.</th>
<th>DESCRIPTION</th>
<th>* AS FOUND BKR. POS. Open/Closed (A, D, C) [✓]</th>
<th>POSITION FOR OUTAGE</th>
<th>* AS LEFT BKR. POS. ON/OFF (A, D, C) [✓]</th>
<th>INITIALS OUTAGE COMPLETE (AS LEFT)</th>
</tr>
</thead>
<tbody>
<tr>
<td>N/A</td>
<td>F8X696 (Feeds AY241-EDS-DS-101 &amp; AY241-EDS-DS-102)</td>
<td>A D C</td>
<td></td>
<td>A D C</td>
<td></td>
</tr>
<tr>
<td>N/A</td>
<td>F8X695 (Feeds AY241-CATH-DS-104)</td>
<td>A D C</td>
<td></td>
<td>A D C</td>
<td></td>
</tr>
<tr>
<td>N/A</td>
<td>F8X694 MAIN DISCONNECT (Feeds AY-PDP-1)</td>
<td>A D C</td>
<td></td>
<td>A D C</td>
<td></td>
</tr>
<tr>
<td>N/A</td>
<td>F8X693 (Feeds MO-131 &amp; Carpenter Shop) (MAIN DISCONNECT PNLBD “A”)</td>
<td>A D C</td>
<td></td>
<td>A D C</td>
<td></td>
</tr>
</tbody>
</table>

* - The “AS FOUND” and “AS LEFT” columns are BEGINNING and ENDING visual verifications, initials (A, D, C,) are for craft “INFORMATION ONLY” and may be identified by means of a [✓]. This DOES NOT AUTHORIZE removal or reinstallation of, lock and tags. A= Administrative lock, D = Danger Lock and Tag C= Caution tag.
Perform Scheduled Electrical Power Outage on Power Distribution Skid 241-AY-PDP-1

Data Sheet 2 – AY-PDP-1

<table>
<thead>
<tr>
<th>COMPT.</th>
<th>DESCRIPTION</th>
<th>* AS FOUND BKR. POS. Open/Closed (A, D, C) [✓]</th>
<th>POSITION FOR OUTAGE</th>
<th>* AS LEFT BKR. POS. ON/OFF (A, D, C) [✓]</th>
<th>INITIALS OUTAGE COMPLETE (AS LEFT)</th>
</tr>
</thead>
<tbody>
<tr>
<td>#1</td>
<td>Spare</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>#2</td>
<td>Spare</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>#3</td>
<td>Spare</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>#4</td>
<td>HPPT-FB1 High Press Pump Trailer Feeder Breaker (DISCONNECTED)</td>
<td>N/A</td>
<td>A D C</td>
<td>N/A</td>
<td>A D C</td>
</tr>
<tr>
<td>#5</td>
<td>SBT-FB1 Strong Back Trailer Feeder Breaker (DISCONNECTED)</td>
<td>N/A</td>
<td>A D C</td>
<td>N/A</td>
<td>A D C</td>
</tr>
<tr>
<td>#6</td>
<td>IT-FB1 Inst Trailer Feeder Breaker (DISCONNECTED)</td>
<td>N/A</td>
<td>A D C</td>
<td>N/A</td>
<td>A D C</td>
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<tr>
<td>#7</td>
<td>Spare</td>
<td>N/A</td>
<td>A D C</td>
<td>N/A</td>
<td>A D C</td>
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<tr>
<td>#11</td>
<td>POWER DISTRIBUTION PNL SKID POR474-WT-EE5-001</td>
<td>N/A</td>
<td>A D C</td>
<td>A D C</td>
<td>A D C</td>
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<td>#12</td>
<td>AY 801A-EDS-MCC-001 (COMPT A3)</td>
<td>N/A</td>
<td>A D C</td>
<td>A D C</td>
<td>A D C</td>
</tr>
</tbody>
</table>

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Perform Scheduled Electrical Power Outage on Power Distribution Skid 241-AY-PDP-1

Data Sheet 3 – AY801A-EDS-MCC-001

### AY801A-EDS-MCC-001
AY-Farm Motor Control Center

<table>
<thead>
<tr>
<th>COMPT.</th>
<th>DESCRIPTION</th>
<th>* AS FOUND BKR. POS. ON/OFF (A, D, C) [✓]</th>
<th>POSITION FOR OUTAGE</th>
<th>* AS LEFT BKR. POS. ON/OFF (A, D, C) [✓]</th>
<th>INITIALS OUTAGE COMPLETE (AS LEFT)</th>
</tr>
</thead>
<tbody>
<tr>
<td>A1</td>
<td>AY801A-EDS-BKR-151 (SPARE)</td>
<td>N/A</td>
<td>N/A</td>
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<tr>
<td>A2</td>
<td>AY801A-EDS-BKR-155 (Feeds AY801A-EDS-DP-101)</td>
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<td>A3</td>
<td>AY801A-EDS-BKR-150 (Main Breaker on AY801A-EDS-MCC-001)</td>
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<tr>
<td>B1</td>
<td>AY801A-EDS-BKR-156 (Feeds AY801A-EDS-DS-120)</td>
<td>A D C</td>
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<tr>
<td>B2</td>
<td>AY801A-EDS-BKR-157 (Feeds AY801A-EDS-DS-121)</td>
<td>A D C</td>
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<td>B3</td>
<td>AY801A-EDS-BKR-158 (SPARE)</td>
<td>NA</td>
<td>N/A</td>
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<td>B4L</td>
<td>AY801A-EDS-BKR-159 (SPARE)</td>
<td>NA</td>
<td>N/A</td>
<td>NA</td>
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<tr>
<td>B4R</td>
<td>AY801A-EDS-BKR-160 (Feeds AY801A-EDS-DS-202)</td>
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<tr>
<td>B5L</td>
<td>AY801A-EDS-BKR-152 (Feeds AY241-EDS-DS-105 &amp; 106)</td>
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<td>B5R</td>
<td>AY801A-EDS-BKR-153 (Feeds AY801A-EDS-DS-203)</td>
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<tr>
<td>B6</td>
<td>SPACE</td>
<td>NA</td>
<td>N/A</td>
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</table>

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Perform Scheduled Electrical Power Outage on Power Distribution Skid 241-AY-PDP-1

Data Sheet 3 AY801A-EDS-MCC-001 (Cont.)

<table>
<thead>
<tr>
<th>COMPT.</th>
<th>DESCRIPTION</th>
<th>* AS FOUND BKR. POS. ON/OFF (A, D, C) [✓]</th>
<th>POSITION FOR OUTAGE</th>
<th>* AS LEFT BKR. POS. ON/OFF (A, D, C) [✓]</th>
<th>INITIALS OUTAGE COMPLETE (AS LEFT)</th>
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<tbody>
<tr>
<td>C1</td>
<td>AY801A-EDS-BKR-163</td>
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<td>C3L</td>
<td>AY801A-EDS-BKR-165 (SPARE)</td>
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<td>C3R</td>
<td>AY801A-EDS-BKR-166 (SPARE)</td>
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<td>C4L</td>
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<td>C4R</td>
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<td>C5</td>
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Signature Sheet 1

All personnel performing signatory steps of this procedure SHALL ENTER their printed name, signature and initials below.

<table>
<thead>
<tr>
<th>PRINT NAME (First and Last)</th>
<th>SIGNATURE</th>
<th>INITIALS</th>
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