MONTHLY TANK FARM TEAM NFPA 801 INSPECTION

TANK FARM PLANT OPERATING PROCEDURE

GENERAL

USQ #N/A-4

CHANGE HISTORY (≤ LAST 5 REV-MODS)

<table>
<thead>
<tr>
<th>Rev-Mod</th>
<th>Release Date</th>
<th>Justification</th>
<th>Summary of Changes</th>
</tr>
</thead>
<tbody>
<tr>
<td>C-0</td>
<td>07/19/2016</td>
<td>Periodic review comment resolution</td>
<td>Made a note into special instruction because it gives direction. Updated the Records section.</td>
</tr>
<tr>
<td>B-4</td>
<td>11/24/2015</td>
<td>Operation request</td>
<td>Added bullet to Note above Step 5.1.1 to address vegetation growth. Added new Step 5.1.3 to request herbicide application to growing vegetation</td>
</tr>
<tr>
<td>B-3</td>
<td>05/14/2015</td>
<td>Operation request</td>
<td>In PERFORMANCE DOCS third bullet deleted “for AP and AW Tank Farms.” In FIELD PREP added AP in first bullet, Deleted AP in third bullet. In RECORDS added AP in first bullet, Deleted AP in third bullet</td>
</tr>
<tr>
<td>B-2</td>
<td>10/15/2014</td>
<td>Nuclear Safety Request</td>
<td>Page 2 – Added to Scope: “This procedure interfaces with other nuclear facilities, i.e., the interface between Tank Farms and the 242-A Evaporator.”</td>
</tr>
<tr>
<td>B-1</td>
<td>08/18/2014</td>
<td>Inconsequential Change</td>
<td>Change Base Ops to Production Ops</td>
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1.0 PURPOSE AND SCOPE

1.1 Purpose

This procedure provides the requirements, responsibilities, work instruction, and reference to site form(s) for inspections required by NFPA 801 in the Tank Operations Contractor “nuclear facilities.”

1.2 Scope

The inspections performed in this procedure are to be performed in accordance with NFPA 801, Standard for Fire Protection for Facilities Handling Radioactive Materials, and satisfy the requirement for a documented monthly inspection as specified in TFC-PLN-13 and TFC-ESHQ-FP-STD-01. This procedure applies to the inspection of tank farm units under the control of Production Operations that fall into the category of “nuclear facilities”. These are primarily formal tank farm units including DCRTs enclosed by a fence and the exterior of small structures supporting those tank farm unit nuclear facilities. Tank farm facilities outside of formal tank farm units, i.e. catch tanks, diversion boxes, and structures, are also included. Inspection for materials contributing to combustible loading inside of buildings/structures as discussed in approved Technical Safety Requirements documents is not included in the scope of this procedure.

The owner or operator must take precautions to prevent accidental ignition or reaction of ignitable or reactive waste. Ignitable or reactive waste must be separated and protected from sources of ignition or reaction including, but not limited to hot surfaces, frictional heat, sparks (static, electrical, or mechanical), and radiant heat WAC 173-303-395.

This procedure interfaces with other nuclear facilities, i.e., the interface between Tank Farms and the 242-A Evaporator.

2.0 INFORMATION

2.1 Terms and Definitions


2.2 General Information

2.2.1 The responsible activity manager(s) is responsible for maintaining the Site Forms current.
3.0 PRECAUTIONS AND LIMITATIONS

3.1 Radiation and Contamination Control

3.1.1 Performance of inspections described in this procedure 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 as applicable.

3.1.2 When work is performed in or when work will result in a high contamination, high radiation, or an airborne radioactivity area, an approved work package must be developed which is reviewed by Radiological Control per ALARA work planning procedure TFC-ESHQ-RP_RWP-C-03.
4.0 PREREQUISITES

4.1 Performance Documents

The following documents may be needed to perform Inspection:

- Site Form A-6005-935, WRPS Monthly NFPA 801 Inspection AN Tank Farm Team
- Site Form A-6005-936, WRPS Monthly NFPA 801 Inspection AZ Tank Farms Team
- Site Form A-6005-937, WRPS Monthly NFPA 801 Inspection EV Tank Farms Team
- Site Form A-6005-938, WRPS Monthly NFPA 801 Inspection ST Tank Farms Team

4.2 Field Preparations

4.2.1 OBTAIN appropriate site form(s) for the tank farms(s) to be inspected:

- For inspections in AP, AN, B, BX, BY and C Tank Farms: Site Form A-6005-935, WRPS Monthly NFPA 801 Inspection AN Tank Farm Team
- For inspections in A, AX, AY, and AZ Tank Farms and 244-AR: Site Form A-6005-936, WRPS Monthly NFPA 801 Inspection AZ Tank Farms Team
- For inspections in AW Farms: Site Form A-6005-937, WRPS Monthly NFPA 801 Inspection EV Tank Farms Team
- For inspections in T, TX, TY, S, SX, SY and U Tank Farms, and 213-W, 242-S and 242-T: Site Form A-6005-938, WRPS Monthly NFPA 801 Inspection ST Tank Farms
- For inspection of 242-A Evaporator (interior and exterior): Site Form A-6005-947.
5.0 PROCEDURE

5.1 Perform Monthly NFPA 801 Nuclear Facilities Inspection

NOTE - Transient combustible materials are defined as operational waste, packing material, and/or personal waste materials that will ignite and burn under anticipated conditions. Transient combustible materials include but not limited to:

  Examples: Wood pallets, packing material, unused scaffolding, soiled anti-Cs, shipping/packing materials.
- Plastic Materials: Tarps, Plastic Sheet, Tent Fabrics, Absorbent Pads, packing material
  Examples: Plastic wrapping materials, shipping/packing materials, unused or worn tent fabric, plastic tarps.
- Wind-Blown Vegetation
- Vegetation Growth.

Special Instructions

Within the tank farm fenced area, waste or unused combustible or ignitable material shall be placed in a designated, appropriately identified area until permanent removal is arranged.

5.1.1 INSPECT for the following at the locations indicated on site form(s):

- Location and identification of transient combustible materials
- Uncontrolled ignition sources (i.e., open flame, sparks or other source of excessive heat)
- Egress pathways are unobstructed.

NOTE - When accumulations of wind-blown vegetation are identified in tank farm nuclear facilities or against tank farm fence boundaries, it may not be practicable to immediately remove them.

5.1.2 REQUEST removal of wind-blown vegetation AND

DOCUMENT on inspection form.

5.1.3 REQUEST Herbicide application of growing vegetation AND

DOCUMENT on inspection form.
5.1 Perform Monthly NFPA 801 Nuclear Facilities Inspection (Cont.)

NOTE - In cases where a tank farm is closed, a perimeter inspection may be performed to satisfy the monthly inspection requirement. Accumulation of transient combustible materials inside a tank farm while that farm is closed may be noted on the inspection site form(s) and corrective action taken when the farm is re-opened.

5.1.4 IF a tank farm is closed, PERFORM the following:

5.1.4.1 PERFORM the monthly inspection, to the extent possible, from the tank farm perimeter (fence line).

5.1.4.2 RECORD the reason for the closure and any findings in the comments section of site form(s).

5.1.5 COMPLETE site form(s) to document inspection of assigned areas.

5.1.6 RECORD corrective actions taken or future corrective actions needed, on site form(s).

5.1.7 PRINT the completed site form(s).

5.1.8 SIGN completed site form(s).

5.1.9 RETURN completed site form(s) to responsible Shift Manager.
5.2 Records

NOTE - TFC-PLN-13 (Attachment B) provides minimum record retention requirements specific to the data sheets (site forms) completed through performance of this procedure.

5.2.1 PERFORM the following for records identified within this procedure.

5.2.1.1 RECORD the number of times the record was generated in applicable column

OR

PLACE a check mark (✓) in the N/A column.

5.2.1.2 SUBMIT the package to FWS/OE/Shift Manager.

<table>
<thead>
<tr>
<th>Records Submittal Checklist</th>
<th>Number of times completed</th>
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</thead>
<tbody>
<tr>
<td><strong>5.2 Records</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Step 5.2.2</td>
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</tr>
<tr>
<td><strong>Site Forms</strong></td>
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<td></td>
</tr>
<tr>
<td>For inspections in AP, AN, B, BX, BY and C Tank Farms: Site Form A-6005-935, WRPS Monthly NFPA 801 Inspection AN Tank Farm Team</td>
<td></td>
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</tr>
<tr>
<td>For inspections in A, AX, AY, and AZ Tank Farms and 244-AR: Site Form A-6005-936, WRPS Monthly NFPA 801 Inspection AZ Tank Farms Team</td>
<td></td>
<td></td>
</tr>
<tr>
<td>For inspections in AW Farms: Site Form A-6005-937, WRPS Monthly NFPA 801 Inspection EV Tank Farms Team</td>
<td></td>
<td></td>
</tr>
<tr>
<td>For inspections in T, TX, TY, S, SX, SY and U Tank Farms and 213-W, 242-S and 242-T: Site Form A-6005-938, WRPS Monthly NFPA 801 Inspection ST Tank Farms</td>
<td></td>
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<td>For inspection of 242-A Evaporator (interior and exterior): Site Form A-6005-947.</td>
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</tr>
</tbody>
</table>

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

_________________________ / ______________________ / ____________

Signature                  Print (First and Last)       Date

FWS/OE/Shift Manager

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