## Table of Contents

1.0 PURPOSE AND SCOPE............................................................................................................. 3
  1.1 Purpose.............................................................................................................................. 3
  1.2 Scope................................................................................................................................. 3

2.0 INFORMATION......................................................................................................................... 3

3.0 PRECAUTIONS AND LIMITATIONS.................................................................................. 4
  3.1 Personnel Safety.............................................................................................................. 4
  3.2 Radiological Control........................................................................................................ 4
  3.3 Environmental Compliance ............................................................................................ 5

4.0 PREREQUISITES ................................................................................................................ 6
  4.1 Special Tools, Equipment, and Supplies.......................................................................... 6

5.0 PROCEDURE........................................................................................................................ 7
  5.1 Place Catch Container into Service.................................................................................. 7
<table>
<thead>
<tr>
<th>Section</th>
<th>Description</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>5.2</td>
<td>Remove Catch Container from Service</td>
<td>8</td>
</tr>
<tr>
<td>5.3</td>
<td>Monthly Catch Container Inspection</td>
<td>9</td>
</tr>
<tr>
<td>5.4</td>
<td>Records</td>
<td>10</td>
</tr>
</tbody>
</table>

Attachment 1: Radiological Catch Container Log for 242-A Evaporator (Example) .................................. 11

Attachment 2 - Monthly Catch Container Inspection (Example) ............................................................. 12
1.0 PURPOSE AND SCOPE

1.1 Purpose

This procedure provides instruction for radiological catch container usage, including inventory, proper set up, periodic survey, labeling, cleaning, and storage at 242-A Evaporator.

This procedure does not provide instructions for catch containers for non-radioactive systems.

1.2 Scope

This procedure applies to 242-A Evaporator.

2.0 INFORMATION

None
3.0 PRECAUTIONS AND LIMITATIONS

3.1 Personnel Safety

All hazards identified for this activity fall within the scope of the GHA.

3.2 Radiological Control

3.2.1 When performed without a work package, this procedure is limited to radiological areas and work activities permitted by a radiological work permit.

3.2.2 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.

3.2.3 Catch containers for radioactive systems will be yellow.

3.2.4 Catch containers for non-radioactive systems will not be yellow.

3.2.5 Only containers approved by Operations and Radiological Control Management will be used for catching radioactive liquid.

3.2.6 Each radiological catch container will be specifically identified with a unique number. Obtain next sequential number from container log. (Permanent marker written on catch is sufficient.)

3.2.7 When yellow catch containers have been filled with water, they are to be dumped directly into the drain system at 242-A Evaporator that drains to 241-AW-102 and then cleaned and surveyed.

3.2.8 If no water is present in the container, and the container is surveyed and found to be uncontaminated, it can be placed back into the storage location.

3.2.9 Once contacted by process water, containers are considered potentially internally contaminated until surveyed and released to the storage location by an HPT.
3.3 Environmental Compliance

3.3.1 Aqueous liquid that originates from systems that contact or contain Tank Waste or Process Condensate must be managed as mixed waste and may be returned to 241-AW-102.

3.3.1.1 Liquid may be emptied from the catch container using a practice commonly employed to remove materials (i.e., pouring, etc...).

3.3.1.2 Materials used to dry catch containers that contained mixed waste should be packaged for disposal as mixed waste in accordance with TO-100-052.

3.3.2 Liquids that may be contaminated with other chemicals, substances, or petroleum products should not be returned to 241-AW-102. Contact waste services for appropriate disposal path and dispose of waste in accordance with TO-100-052.

3.3.3 Notify Shift Manager and Environmental for any spills or releases, including those that occur to secondary containment, in accordance with TF-REC-001. This is only necessary to trigger appropriate notifications and review of events that may have resulted in a spill or release (e.g., implementation of RCRA Contingency Plan, fit for use determination, etc.)
4.0 PREREQUISITES

4.1 Special Tools, Equipment, and Supplies

The following supplies may be needed to perform this procedure:

- Catch containers
- Catch Container Log.
5.0 PROCEDURE

NOTE - Sections 5.1, 5.2, and 5.3 may be worked independently.

5.1 Place Catch Container into Service

5.1.1 USING an appropriate size for leak, CHECK OUT catch container from the designated storage location.

5.1.2 ASSIGN catch container next sequential number from Attachment 1 Radiological Catch Container Log.

5.1.2.1 USING a permanent marker, MARK OR LABEL catch container with next sequential number.

5.1.3 COMPLETE information on Attachment 1 for catch containers to be put in use.

5.1.4 INSPECT the catch container for holes, debris, and integrity.

5.1.5 PLACE AND SECURE the catch container under the radioactive system leak.

5.1.5.1 ENSURE containers are installed in a manner that does not hamper operations.

5.1.5.2 ENSURE containers are installed in a manner that does not lead to container overflow liquid.

5.1.6 NOTIFY Radiological Control Management that catch container has been put in service so that radiological posting can be verified and surveillance can commence.

5.1.7 INSPECT new catch container monthly AND COMPLETE Attachment 2, Monthly Catch Container Inspection form.
5.2 Remove Catch Container from Service

NOTE - Sections 5.1, 5.2, and 5.3 may be worked independently.

5.2.1 BEFORE removing the container, HPT SURVEY the area of the leak to assure the container can be removed.

5.2.2 IF liquid is present, PERFORM the following:

5.2.2.1 DUMP liquid directly into the drain system at 242-A Evaporator that drains to 241-AW-102.

5.2.2.2 DRY catch container.

5.2.2.3 HPT SURVEY container.

5.2.2.4 IF container is contaminated, DECON container

OR

DISPOSE of container properly.

5.2.2.5 HPT SURVEY drain funnel area.

5.2.2.6 IF drain funnel area is contaminated, DECON drain funnel area.

5.2.3 IF liquid is not present, PERFORM the following:

5.2.3.1 HPT SURVEY container.

5.2.3.2 IF container is contaminated, DECON container

OR

DISPOSE of container properly.

5.2.4 ONCE container is verified uncontaminated, PERFORM the following:

5.2.4.1 REMOVE any Radiological stickers or labels.

5.2.4.2 PLACE container in storage location.

5.2.4.3 COMPLETE Radiological Catch Container Log ensuring appropriate HPT signature is in place.
5.3 Monthly Catch Container Inspection

NOTE - Sections 5.1, 5.2 and 5.3 may be worked independently.

5.3.1 REVIEW Radiological Catch Container Log Attachment 1 for the location of containers in use.

5.3.2 INSPECT all containers that have been placed into service.

5.3.3 NOTIFY Shift Manager AND DOCUMENT any discrepancies found on Attachment 2.

5.3.4 COMPLETE Attachment 2.
Radiological Catch Container Usage at 242-A Evaporator

5.4 Records

The following records are generated during the performance of this procedure:

5.4.1 PERFORM the following for records identified within this procedure.

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

      OR

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

5.4.1.2 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>Attachments:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Attachment 1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Attachment 2</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

____________________________________________ / _________________ / __________
FWS/OE/Shift Manager Signature                  Print (First & Last)          Date

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.
## Radiological Catch Container Usage at 242-A Evaporator

**Attachment 1: Radiological Catch Container Log for 242-A Evaporator (Example)**

<table>
<thead>
<tr>
<th>Container Number</th>
<th>Installation Date</th>
<th>Location/ Purpose</th>
<th>Installed By:</th>
<th>Initial Inspection By:</th>
<th>Removed Date:</th>
<th>HPT Surveyed By:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Review:  

Shift Manager Signature / Print (First & Last) / Date
## Radiological Catch Container Usage at 242-A Evaporator

### Attachment 2 - Monthly Catch Container Inspection (Example)

<table>
<thead>
<tr>
<th>Container Number</th>
<th>Inspection Date</th>
<th>Location Used/Purpose</th>
<th>Container Sat (Y or N)</th>
<th>Discrepancies Found</th>
<th>Inspected By</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Signature:</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Print (First &amp; Last):</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Signature:</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Print (First &amp; Last):</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Signature:</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Print (First &amp; Last):</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Signature:</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Print (First &amp; Last):</td>
</tr>
</tbody>
</table>

Review: __________________________ / __________________________ / ________________

Shift Manager Signature  Print (First & Last)  Date

<table>
<thead>
<tr>
<th>Type</th>
<th>Document No.</th>
<th>Rev/Mod</th>
<th>Release Date</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>REFERENCE</td>
<td>242-65G-001</td>
<td>F-2</td>
<td>08/20/2018</td>
<td>12</td>
</tr>
</tbody>
</table>