This document was too large to scan as a single document; therefore, it has been divided into smaller sections.

**Section 1 of 2**

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ENGINEERING DATA TRANSMITTAL

2. To: (Receiving Organization) Distribution

5. Proj./Prog./Dept./Div.: W-026/WRAP/WMH

8. Originator Remarks:
This EDT is to release supporting documentation for the WRAP Facility to Engineering Files.

Please note: This OTR is being released as revision 1. Because of time restraints the test was performed to both the rev. 0 and the rev. 1 procedures simultaneously, they cannot be divided out and released separately.


15. DATA TRANSMITTED

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16. KEY

1. Approval 4. Review
2. Release 5. Post-Review

17. SIGNATURE/DISTRIBUTION

(See Approval Designator for required signatures)

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18. Signature of EDT Originator

19. Authorized Representative Date for Receiving Organization

20. Design Authority/ Cognizant Manager

21. DOE APPROVAL (if required)

Ctrl. No.  
[] Approved  [] Approved w/comments  [] Disapproved w/comments

BD-7400-172-2 (05/96) GEF097
W-026 INTEGRATED ENGINEERING COLD RUN
OPERATIONAL TEST REPORT
FOR BALANCE OF PLANT (BOP)

SP Anderson
Waste Management Federal Services of Hanford, Richland, WA 99352
U.S. Department of Energy Contract DE-AC06-96RL13200

EDT/ECN: EDT-621925       UC: 506
Org Code: 32620  Charge Code: A2J1T
B&R Code: EW3130020  Total Pages: 628

Key Words: WRAP, OTR, LLW, TRU, Glovebox, Process

Abstract: This Operational Test Report demonstrates the functionality of systems necessary to move waste drums throughout the plant using approved procedures, and the compatibility of these systems to function as an integrated process.

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Approved for Public Release
1. INTRODUCTION/DESCRIPTION

This Cold Run test is designed to demonstrate the functionality of systems necessary to move waste drums throughout the plant using approved procedures, and the compatibility of these systems to function as an integrated process. This test excludes all internal functions of the gloveboxes. In the interest of efficiency and support of the facility schedule, the initial revision of the test (rev 0) was limited to the following:

- Receipt and storage of eight overpacked drums - four LLW and four TRU
- Receipt, routing, and staging of eleven empty drums to the process area where they will be used later in this test.
- Receipt, processing, and shipping of two verification drums (Route 9)
- Receipt, processing, and shipping of two verification drums (Route 1)

The above listed operations were tested using the rev 0 test document, through Section 5.4.25. The document was later revised to include movement of all staged drums to and from the LLW and TRU Process and RWM gloveboxes. This testing was performed using Sections 5.5 though 5.11 of the rev 1 test document.

The primary focus of this test is to prove the functionality of automatic operations for all mechanical and control processes listed below. When necessary, the test demonstrates manual mode operations as well. Though the gloveboxes are listed below, only waste and empty drum movement to, from, and between the gloveboxes was tested.

- Receive, store, and ship waste drums
  - SWITS/DMS Interface
  - Fork lift
  - Automated Stacker and Retriever System
  - Infeed/Discharge Weight Scales
- Move Waste Drums Throughout the WRAP I Facility
- Low Level Waste Gloveboxes
- Transuranic Waste Gloveboxes
- Information Management Systems - DMS, PCS, RTAP, AGV CS, and Barcode systems

2. PURPOSE

The purpose of this procedure was to verify that drum movements to support the LLW and TRU process from the receiving dock, to the process area, to storage in the AS/RS, and finally shipping from the loading dock, operate in accordance with system design and specifications.
3. TEST RESULTS

Fifty Five Test Exception Reports were generated throughout the course of performing both revisions of the test document, 49 of which were closed at issuance of this document. A complete listing of all test exceptions can be found in the body of the test document.

Of the six remaining open exceptions, none have been identified as pre-start items. A short description of those exceptions is as follows:

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<tr>
<th>EXCEPTION #</th>
<th>DESCRIPTION</th>
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<tbody>
<tr>
<td>21</td>
<td>Fixed scanner at infeed conveyor had communications failure with RB Module in LCU 103. This exception still requires action to close. Portable scanner may be used in place of fixed scanner until the problem can be resolved.</td>
</tr>
<tr>
<td>27</td>
<td>Messages for pickup/dropoff of drums at lift tables should not be sent unless glovebox is not E-stopped and OIU is in Auto mode. While this is an annoyance, it does not prevent any operation within the process area. It will be left open and dispositioned as time permits.</td>
</tr>
<tr>
<td>29</td>
<td>Two alarm messages were received on RTAP for a single DMS alarm. While this is an annoyance, it does not prevent any operation within the process area. It will be left open and dispositioned as time permits.</td>
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<tr>
<td>32</td>
<td>Abort BWAS message was incorrect. Operation of the BWAS unit is not considered a pre-start item. The exception will be left open and dispositioned as time permits.</td>
</tr>
<tr>
<td>40</td>
<td>Drum PIN for MT-03 and MT-06 were incorrectly transferred. While this is an annoyance, it does not prevent any operation within the process area. It will be left open and dispositioned as time permits.</td>
</tr>
<tr>
<td>52</td>
<td>When drum was moved from airlock B1 to airlock B2, the PIN showed correctly in RTAP but location message 5.3.1 was sent for PIN at B3. While this is an annoyance, it does not prevent any operation within the process area. It will be left open and dispositioned as time permits.</td>
</tr>
</tbody>
</table>

Of particular significance is exception 25 which considerably reduced the number of test steps successfully performed. Without DMS/SIE communications, all operations in the NDE/NDA area must be accomplished in manual mode. To prove the viability of this mode of operation, one drum was successfully processed through one X-ray, IPAN, and GEA unit in full manual operation. In addition, shipping of drums was not performed, in part due to having no assay results.
4. CONCLUSIONS AND RECOMMENDATIONS

The intent of this procedure was to prove that plant systems supporting receipt of drums, drum movement to/within the process area, and finally shipment of drums will function as an integrated process. Because the AS/RS, jib cranes, NDE/NDA carousel, and DMS/SIE communications were out of service, this intent was not met for the Shipping/Receiving and NDE/NDA area. However, the Cold Run Phase I tested these same systems and proved their ability to function in an integrated manner. If it is desired to retest these systems in addition to the testing performed in Cold Run Phase I, all referenced equipment must be placed back in service and the excepted and/or incomplete portions of the test repeated.

The intent of the test with respect to the process area was met as shown by the Cold Run test steps successfully performed and signed off. As with the Cold Run Phase I, testing was frequently interrupted because of the extensive nature of most initialization sequences. Following proper initialization sequences, all equipment functioned properly and as expected excluding the documented test exceptions.

Operations Procedure changes were documented during testing using redline comments. These changes/additions will be incorporated into the procedures following issuance of this report.

5. REFERENCES

WRP1-OP-0501 Rev/Mod A-6 Operation of the AGV System
WRP1-OP-0502 Rev/Mod C-0 Receive, Store and Ship Waste Containers
WRP1-OP-0503 Rev/Mod B-1 Move Waste Drums Throughout the WRAP Facility
WRP1-OP-0506 Rev/Mod B-0 Operation of the Automated Stacker/Retriever
WRP1-OP-0703 Rev/Mod A-0 Glovebox Lift Table Manual Operation
WRP1-OP-0908 Rev/Mod B-1 Operation of the Drum Nondestructive Examination System

6. APPENDIX

HNF-SD-W026-OTP-018, Rev 1 Integrated Cold Run Operational Test Procedure for BOP

Test Exception Reports
DMS/RTAP data obtained in support of various test steps
AUTHOR

J. J. Shaffer III
Print Name/Signature

APPROVAL DESIGNATOR

SQ

PROCEDURE APPROVAL SIGNATURES

RJ Bottenham
WRAP 1 Operation Manager
2/23/98
SP. Anderson
WRAP 1 COG Engineer
2/23/98
J. R. Weidert
WRAP 1 Engineering Manager
2/23/98
RJ Koll
WRAP 1 Industrial Safety
2/23/98
WR Thackaberry
WRAP 1 Quality Assurance
2/23/98
HC Boynton
WRAP 1 Environmental Compliance Officer
2/23/98

THINK ALARA IN ALL WE DO
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1.0 PURPOSE

This procedure has been prepared to verify that the entire LLW and TRU process lines, from the receiving dock, to the process area, through the gloveboxes, to storage in ASRS, and out the loading dock, operate in accordance with system design and specifications.

2.0 SCOPE

This Cold Run Test will demonstrate the functionality of the plant processes, systems, and components, necessary to process LLW and TRU waste drums through the facility per approved procedures, and the compatibility of these items to function as an integrated process. This test will specifically avoid testing functions that have already been sufficiently tested and documented. This exclusion includes all internal functions of the gloveboxes. In the interest of efficiency and support of the facility schedule, the initial revision of this document will be limited to the following:

- Receipt and storage of eight overpacked drums, four LLW and four TRU.
- Receipt, routing, and staging of eleven empty drums to the process area where they will be used later in this test.
- Receipt, processing, and shipping of two verification drums (Route 9).
- Receipt, processing, and shipping of two verification drums (Route 1).

This document will be revised at a later date to complete the processing of all staged drums through the LLW and TRU Process and RWM Lines.

The primary focus of this test will be to prove the automatic mode of all mechanical and control operations listed below. When necessary, this test will demonstrate the manual mode of the following as well. Though the gloveboxes are listed below, only waste and empty drum movement to, from, and between the gloveboxes will be tested by this document.

- Receive, Store and Ship-Waste Drums
  - SWITS/DMS Interface
  - Fork Lift
  - Automated Stacker and Retriever System
  - Infeed/Discharge Weight Scales

- Move Waste Drums Throughout The WRAP I Facility
  - Conveyor and Carousel Systems
  - Jib Cranes and Support Equipment
  - Automated Guided Vehicles (and Charger)
  - Mobile Drum Lifter
LLW Waste Gloveboxes and Sub-systems
  - LLW Entry Glovebox, 107-GB-07-101
  - LLW Sorting Glovebox, 107-GB-07-102
  - LLW Supercompactor Glovebox, 107-GB-07-104
  - LLW Exit Glovebox, 107-GB-07-105
  - LLW RWM Glovebox, 107-GB-07-201

TRU Waste Gloveboxes and Sub-systems
  - TRU Entry Glovebox, 107-GB-07-301
  - TRU Sorting Glovebox, 107-GB-07-302
  - TRU Compacted Empty Drum Loadout Glovebox, 107-GB-07-306
  - TRU Empty Drum Compactor Glovebox, 107-GB-07-307
  - TRU Waste Loadout Glovebox, 107-GB-07-308
  - TRU Waste Loadout Glovebox, 107-GB-07-309
  - TRU RWM Glovebox, 107-GB-07-401

Information Management Systems (as related to Waste Processing)
  - Data Management System (DMS)
  - Plant Control System (PCS)
  - Real Time Applications Platform (RTAP) for Alarms and Warnings
  - Automated Guided Vehicle Control System (AGVCS)
  - Barcode System
3.0 SAFETY

3.1 WARNING - In addition to construction and/or chemical, electrical, and oil contamination hazards, operators should be aware of the possibility of coming into contact with poisonous snakes and spiders.

3.2 The gloveboxes are equipped with fire protection equipment which may discharge dry chemical into the glovebox if smoke is detected in the glovebox or glovebox ventilation ducts.

3.3 Use care to minimize injury. Possible safety hazards include:

- Tripping
- Slipping
- Injuries to the hands/head
- Automatic Guided Vehicle traffic.

4.0 LIMITS AND PRECAUTIONS

4.1 No Quality Assurance witness, hold points, or verifications are required in this CRT.

4.2 IF during performance of this procedure, any of the following conditions are found:

- Any equipment malfunction which could prevent fulfillment of functional requirements.
- Personnel error or procedural inadequacy which could prevent fulfillment of CRT procedural requirements.

THEN, IMMEDIATELY NOTIFY the TD and TE.

4.3 Based on the significance of a malfunction, error, or inadequacy, the test may stop and equipment placed in a safe condition until the condition is resolved.

4.4 Contact the TD and TE for additional instructions if changing plant conditions affect work or cause delays in work extending beyond (testing) shift.

4.5 At the end of each test shift, all test drums shall be stored either in ASRS, or be located on the Process side of the drum airlock.

4.6 IF any waste is generated during performance of this CRT, THEN, consult Environmental Compliance Officer for specific instructions to ensure compliance with HNF and DOE environmental standards, as applicable, for correct disposal.
4.7 Comply with HNF and plant/facility specific lock and tag and over-tagging procedures, as applicable.

4.8 Measuring and Test Equipment (M&TE), except timing devices used in the performance of this CR, shall meet the following requirements:
   - Be within its current calibration cycle as evidenced by an affixed calibration label.
   - Be capable of the desired range.
   - Have an accuracy (consistent with state-of-the-art limitations) equal to or greater than the accuracy specified in the CRT.

4.9 Timing measurements shall be made with commercially available timing devices.

4.10 All test data readings are to be taken and recorded for each location where the capability exists (i.e. local instrument, OIU, DMS terminal).

5.0 RESPONSIBILITIES

5.1 Test Director:
   - Schedule and reschedule Integrated Engineering Cold Run Test as required.
   - Notify test participants before testing begins.
   - Notify personnel prior to testing of special safety precautions and conditions during testing.
   - Schedule and conduct a daily pretest meeting with test participants.
   - Ensure Attachment 1, TEST EXCEPTION LOG, is maintained current and complete.
   - Control overall testing process and change record authorization for this CRT.
   - Responsible for conducting the test, collecting data, and ensuring compliance with all CRT requirements.

5.2 Test Engineer:
   - Provide technical support during testing.
   - Provide programming support during testing.
   - Participate in pre-test meetings, as necessary.
   - Conduct a pre-test system walkthrough, as necessary.
   - Verify that mechanical, electrical, and control systems are functioning correctly and can support testing.

5.3 Maintenance Craft:
   - Provide assistance during CRT activities.
5.4 Operations Personnel:
- Perform manipulations on Systems and Test Equipment.
- Start, stop and operate equipment related to CRT.
- Control and monitor parameters from Control Panels and Control Room.
- Ensure the DOS is kept informed about any conditions affecting plant stability or safety.

6.0 CHANGE CONTROL

Test procedure administrative or editorial changes required during testing may be accommodated as redline exceptions in the test report, provided these changes do not affect operating facility function, performance, or safety in a manner that could compromise or influence CRT data results.

6.1 Test changes affecting the following items shall be approved by the same signatories initially approving the CRT:

- Acceptance Criteria
- Requirements
- Cautions, Precautions, and Limitations
- Personnel Safety
- Environmental Compliance
7.0 REFERENCES

7.1 Operating Procedures

The Operating Procedures listed below are used in the performance of this procedure:

- WRPI-OP-0501: Operation of the AGV System
- WRPI-OP-0502: Receive, Store, and Ship Waste Containers
- WRPI-OP-0503: Move Waste Drums Throughout the WRAP Facility
- WRPI-OP-0506: Operation of the ASRS
- WRPI-OP-0703: Glovebox Lift Table Manual Operation
- WRPI-OP-0903: Drum Non-Destructive Assay (NDA) Automatic Operation

7.2 Alarm Response Procedures

- WRPI-AR-0700: Process Area Alarm Response
- WRPI-AR-1200: Radiological Control Alarm Response

7.3 HSRCM-1, Hanford Site Radiological Control Manual

7.4 HNF-CM-5-34, Solid Waste Disposal Operations Administration

Section 1.9, Quality Assurance Program Plan
Section 3.1.4, Lockout and Tagout

7.5 HNF-CM-5-36, SWD Internal Requirements

Chapter 1-10, Safety Manual
Chapter 1-11, Industrial Hygiene Manual
Chapter 3-5, Section 12.7, Approval of Environmental, Safety and Quality Affecting Documents
Chapter 4-2, Quality Assurance Manual
Chapter 7-5, Environmental Compliance Manual

7.6 HNF-IP-0263-WRP1, Building Emergency Plan

7.7 WMH-200, Waste Management Hanford Procedures Manual
8.0 PREREQUISITES

NOTE
This Section may be performed in any order.

8.1 PERFORM a pretest briefing each day testing is performed, with all personnel involved in the CRT in attendance, and inform affected employees of anticipated hazards for those activities for that day.

TD Initials/Date: SPA 1/9/97

8.2 PERFORM a system walkdown inspection of both AGV guide paths prior to performance of this CRT.

TE Initials/Date: SPA 1/9/97

8.3 VERIFY two way portable radio communication (when necessary) between the testing and equipment locations.

TE Initials/Date: SPA 1/9/97

8.4 VERIFY the official CRT document and all photocopies that will be used during testing are the latest approved revision.

TE Initials/Date: SPA 1/9/97

8.5 DETERMINE appropriate interface support from other departments/organizations and that necessary support personnel/equipment is available.

TE Initials/Date: SPA 1/9/97

8.6 VERIFY personnel performing this procedure are qualified in accordance with WMH-200, Section 5.1, Training Plan, HNF-IP-1242, WRAP 1 RGD Radiation Protection Program and on-the-job training.

TE Initials/Date: 1/9/97
8.7 VERIFY all personnel to be involved with this CRT have made appropriate entries on Attachment 3, SIGNATURE RECORD.

$P$ Initials/Date: SPA 9/1977

8.8 VERIFY all open (FTP/ATP/OTP) items will not effect CRT performance:

- Quality Assurance Nonconformance Reports (NCRs)
- Construction Punch Lists
- Outstanding Engineering Change Notices (ECNs)
- Startup-originated Design Change Requests (Crs)
- Test Deficiency Reports
- Master System Punch List items

$P$ Initials/Date: SPA 9/1977

8.9 VERIFY NDE/NDA Area and Process Area AGVs are available and operational.

$P$ Initials/Date: SPA 9/1977

8.10 VERIFY PCS is available and operational.

$P$ Initials/Date: SPA 9/1977

8.11 VERIFY OIU-12-103A, OIU-12-103C, OIU-12-104A, OIU-12-104D, and OIU-12-105B, for the Process Gloveboxes are available and operational.

$P$ Initials/Date: SPA 9/1977

8.12 VERIFY DMS is available and operational.

$P$ Initials/Date: SPA 9/1977
9.0 PROCEDURE

9.1 PERFORM the Integrated Engineering Cold Run Test - Balance of Plant in accordance with Attachment 4, Balance of Plant Cold Run Test Plan.

10.0 ACCEPTANCE CRITERIA

10.1 Each sign-off step in Attachment 4, Cold Run Test Plan, must be signed off, indicating successful completion of each step.

10.1.1 The only acceptable exception to this requirement is if Attachment 2, Test Exception Report is filled out, and the Disposition Section is approved by the Test Engineer.

10.1.2 Each Test Exception Report shall be logged in Attachment 1, Test Exception Log.

10.1.3 The Test Director shall review Attachment 1, Test Exception Log, and ensure timely completion of all Disposition Actions and Retest Requirements.

11.0 RECORDS

11.1 This Integrated Engineering Cold Run Test - Balance of Plant, complete with attachments, shall be filed by the WRAP 1 Document Control Specialist as a permanent test record.
## ATTACHMENT 1 - TEST EXCEPTION LOG

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<th>DESCRIPTION</th>
<th>DISPOSITION</th>
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<td>HNF-SD-W026-OTR-018 REV 1</td>
<td>COLD RUN-BOP</td>
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**DESCRIPTION OF PROBLEM:**

<table>
<thead>
<tr>
<th>ORIGINATOR:</th>
<th>ORG:</th>
<th>IMPACT ON TESTING:</th>
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<tbody>
<tr>
<td></td>
<td></td>
<td>□ HOLD FOR RESOLUTION □ CONTINUE</td>
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<table>
<thead>
<tr>
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<th>TEST DIRECTOR:</th>
<th>DATE:</th>
</tr>
</thead>
<tbody>
<tr>
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**DISPOSITION:**

<table>
<thead>
<tr>
<th>DISPOSITION APPROVED BY:</th>
<th>TEST ENGINEER</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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</tr>
</tbody>
</table>

**DISPOSITION AND RETEST REQUIREMENTS COMPLETED BY:**

<table>
<thead>
<tr>
<th>DATE:</th>
<th>DISPOSITION ACTIONS COMPLETE VERIFIED BY:</th>
</tr>
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<tbody>
<tr>
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</tbody>
</table>

**QAE CONCURRENCE WITH DISPOSITION (if required):**

<table>
<thead>
<tr>
<th>DATE:</th>
<th>RETEST COMPLETE VERIFIED BY:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
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</table>

**TEST EXCEPTION CLOSED:**

<table>
<thead>
<tr>
<th>TEST ENGINEER:</th>
<th>DATE:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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</tr>
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</table>

<table>
<thead>
<tr>
<th>TEST DIRECTOR:</th>
<th>DATE:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>
ATTACHMENT 3 - SIGNATURE RECORD

By signing below, I attest that I am aware of and understand my duties and responsibilities as described in the CRT and as assigned by the TD or TE.

<table>
<thead>
<tr>
<th>PRINTED NAME</th>
<th>SIGNATURE</th>
<th>INITIALS</th>
<th>TITLE</th>
<th>ORGANIZATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>R.C. Olsen</td>
<td>J C</td>
<td>NS</td>
<td>NPO</td>
<td>OPS</td>
</tr>
<tr>
<td>J.L. Schroeder</td>
<td>J.L.</td>
<td>QS</td>
<td>NPO</td>
<td>OPS</td>
</tr>
<tr>
<td>H. Alaka</td>
<td>U.A. Alaka</td>
<td>U.A.</td>
<td>NPO</td>
<td>OPS</td>
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<tr>
<td>E.A. Vermeulen</td>
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<td>NPO</td>
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<tr>
<td>P. Hood</td>
<td>P.H.</td>
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<td>NPO</td>
<td>OPS</td>
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<tr>
<td>D. Connally</td>
<td>D.C.</td>
<td>D.C.</td>
<td>NPO</td>
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<td>R. Lampman</td>
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<td>R.L.</td>
<td>NPO</td>
<td>OPERATIONS</td>
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<tr>
<td>T. Hoge</td>
<td>T.H.</td>
<td>T.H.</td>
<td>KIT</td>
<td>RALCON</td>
</tr>
<tr>
<td>R. Sjell</td>
<td>R.Sjell</td>
<td>R.Sjell</td>
<td>RAD</td>
<td>RALCON</td>
</tr>
<tr>
<td>S. Anderson</td>
<td>S. Anderson</td>
<td>S. Anderson</td>
<td>SPA</td>
<td>ENG/TEST DIRECTOR, ENG</td>
</tr>
</tbody>
</table>
ATTACHMENT 3 - SIGNATURE RECORD

By signing below, I attest that I am aware of and understand my duties and responsibilities as described in the CRT and as assigned by the TD or TE.

<table>
<thead>
<tr>
<th>PRINTED NAME</th>
<th>SIGNATURE</th>
<th>INITIALS</th>
<th>TITLE</th>
<th>ORGANIZATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mark Palmer</td>
<td>5PM</td>
<td>SRP</td>
<td>Test Engineer</td>
<td>Eng.</td>
</tr>
<tr>
<td>Wayne Robertson</td>
<td>LDR</td>
<td>LPRA</td>
<td>Ops. Supervisor</td>
<td>Ops.</td>
</tr>
<tr>
<td>Chuck Rosnick</td>
<td>CRK</td>
<td>CRK</td>
<td>Computer Programmer</td>
<td>BDM</td>
</tr>
<tr>
<td>Michael J. Pell</td>
<td>Michael</td>
<td>MJP</td>
<td>Technical Writer</td>
<td>Parsons</td>
</tr>
<tr>
<td>Craig E. Wills</td>
<td>GEE</td>
<td>GEE</td>
<td>NDA Co. G.</td>
<td>Eng.</td>
</tr>
<tr>
<td>Ron J. Koll</td>
<td>Ron J. Koll</td>
<td>RJK</td>
<td>Nuclear Safety</td>
<td>WRAP</td>
</tr>
</tbody>
</table>
1.0 GENERAL DESCRIPTION

The general concept in performing this test is that if all possible drum flowpaths for all possible types of drums are proven, along with verification that the associated software logic, mechanical devices, and procedures to conduct these operations, perform as intended, the intent of this test will have been fulfilled.

This Cold Run Test Procedure provides instructions for the following integrated operations as performed on LLW and TRU waste drums, using the indicated procedures:

- **Receiving**
  (WRP1-OP-0502, Receive, Store and Ship Waste Containers)

- **Unloading**
  (WRP1-OP-0502, Receive, Store and Ship Waste Containers)

- **Barcoding**
  (WRP1-OP-0502, Receive, Store and Ship Waste Containers)

- **Weighing**
  (WRP1-OP-0502, Receive, Store and Ship Waste Containers)

- **Pre-Process Storage**
  (WRP1-OP-0506, Operation of the Automated Stacker/Retriever)

- **Transporting**
  (WRP1-OP-0501, Operation of the AGV System, AND
  WRP1-OP-0503, Move Waste Drums Throughout the WRAP Facility)

- **X-Raying Drums (NDE)**

- **Assaying (IPAN & GEA)**
  (WRP1-OP-0903, Drum Non-Destructive Assay (NDA) Automatic Operation, AND
  WRP1-OP-0905, Passive/Active Neutron Assay Manual Operation AND

- **Post-Process Storage**
  (WRP1-OP-0506, Operation of the Automated Stacker/Retriever)
ATTACHMENT 4 - BALANCE OF PLANT COLD RUN TEST PLAN

2.0 SAFETY

2.1 Reference SAFETY, Section 3.0 of the main body of this procedure.

3.0 TOOLS, EQUIPMENT, AND SUPPLIES

- Two (2) NDE test drums (RTR/LDA resolution measurement)
- Eight (8) empty 208 liter (55 gallon) One Trip Drums
- One (1) empty 322 liter (85 gallon) Drath and Schrader Drum
- Five (5) 208 liter (55 gallon) Entry/Exit Test Drums (four of these will be placed inside the four 85 gallon Entry/Exit Test Drums listed below, the other will be used at the LLW RWM Exit Port, 107-DO-07-202)
- Four (4) 322 liter (85 gallon) Entry/Exit Test Drums (Overpack)
- Drum handling (manual) equipment or Pallet fork truck
- Spill Kit/Decontamination Equipment (oils/chemicals)
- Tape and rags
- Any other equipment, material or protective clothing (as necessary)

4.0 TEST PREREQUISITES

4.1 VERIFY Cold Run Test Procedure Section 8.0, PREREQUISITES is complete.

\[ \text{DATE:} \text{SPA 11/17/96} \]

TE Initials/Date: \[ \text{SPA 9/17/97} \]

4.2 VERIFY PCS, DMS, RTAP, AGVCS, SIE, and required PLCs are ready to support testing by completing Attachment 5, Cold Run Initialization.

\[ \text{DATE:} \text{SPA 12/20/98} \]

Computer Engineer Initials/Date: \[ \text{SPA 12/20/98} \]

4.3 VERIFY NDE Warmup is completed per WRP1-OP-0904, OPERATING AND EMERGENCY PROCEDURE FOR THE PHILIPS 450 kV X-RAY MACHINE.

\[ \text{DATE:} \text{SPA 12/20/98} \]

TD Initials/Date: \[ \text{SPA 12/20/98} \]
5.0 PROCEDURE

5.1 RECEIVE AND STORE TEST WASTE DRUMS

NOTE - All inner drums within overpacks are simulated for this test because all functions that need to be tested related to the inner drums have already been tested by Operational Test Procedures.

5.1.1 VERIFY Pre-Shipment Documentation Review is completed satisfactory for the four 322 liter (85 gallon) overpack test drums listed below, along with the four associated 208 liter (55 gallon) LLW inner test drums per WRP1-OP-0502, RECEIVE, STORE AND SHIP WASTE CONTAINERS:

- OTP-CRL-PO-001, OTP - Cold Run LLW - Process Outer - 001
- OTP-CRL-PI-001, OTP - Cold Run LLW - Process Inner - 001
- OTP-CRL-PO-002, OTP - Cold Run LLW - Process Outer - 002
- OTP-CRL-PI-002, OTP - Cold Run LLW - Process Inner - 002
- OTP-CRL-PO-003, OTP - Cold Run LLW - Process Outer - 003
- OTP-CRL-PI-003, OTP - Cold Run LLW - Process Inner - 003
- OTP-CRL-PO-004, OTP - Cold Run LLW - Process Outer - 004
- OTP-CRL-PI-004, OTP - Cold Run LLW - Process Inner - 004

TE Initials/Date: [Signature] 12/12/98

5.1.2 VERIFY Pre-Shipment Documentation Review is completed satisfactory for the four 322 liter (85 gallon) overpack test drums listed below, along with the four associated 208 liter (55 gallon) TRU inner test drums per WRP1-OP-0502, RECEIVE, STORE AND SHIP WASTE CONTAINERS:

- OTP-CRT-PO-001, OTP - Cold Run TRU - Process Outer - 001
- OTP-CRT-PI-001, OTP - Cold Run TRU - Process Inner - 001
- OTP-CRT-PO-002, OTP - Cold Run TRU - Process Outer - 002
- OTP-CRT-PI-002, OTP - Cold Run TRU - Process Inner - 002
- OTP-CRT-PO-003, OTP - Cold Run TRU - Process Outer - 003
- OTP-CRT-PI-003, OTP - Cold Run TRU - Process Inner - 003
- OTP-CRT-PO-004, OTP - Cold Run TRU - Process Outer - 004
- OTP-CRT-PI-004, OTP - Cold Run TRU - Process Inner - 004

TE Initials/Date: [Signature] 12/12/98
5.1.3 UNLOAD all four incoming LLW overpacked test drums per WRP1-OP-0502, section titled, "Unload/Store Waste Containers".

TJ? Initials/Date: SPA 1 9/4/97

NOTE - In Steps 5.1.4 through 5.1.7 the exact point in time meant by the term "received" is when the "REQUEST CERT DATA" button is pushed on DMS Screen DMSSO101, "CONTAINER RECEIVING", CONFIRM DATA

5.1.4 VERIFY the FACILITY CURIE LEVEL DE-CI LIMIT EXCEEDED annunciator is received on RTAP when OTP-CRL-PO-004 is received. AND EST- FACILITY RADIOLOGIC INVENTORY AREA LIMIT HAS BEEN EXCEEDED ON DMS SCREEN DMSSO101.

SPA Initials/Date: SPA 1 9/4/97

5.1.5 VERIFY the DRUM DE-CI LIMIT EXCEEDED alarm is received on DMS Screen DMSSO101, "Container Receiving" when OTP-CRL-PO-004 is received.

Computer Engineer Initials/Date: \( \) 1 9/4/97

5.1.6 VERIFY the DRUM Pu FGE LIMIT EXCEEDED alarm is received on DMS Screen DMSSO101, "Container Receiving" when OTP-CRL-PO-004 is received.

Computer Engineer Initials/Date: 9/4/ 9/4/97

5.1.7 VERIFY the DRUM BETA GAMMA DOSE RATE LIMIT alarm is received on DMS Screen DMSSO101, "Container Receiving" when OTP-CRL-PO-004 is received.

Computer Engineer Initials/Date: SPA 1 9/4/97

5.1.8 UNLOAD all four incoming TRU overpacked test drums per WRP1-OP-0502, section titled, "Unload/Store Waste Containers".

SPA Initials/Date: SPA 1 9/4/97

5.1.9 VERIFY Tare Weight for OTP-CRL-PI-001 is set to 27 kilograms.

TE Initials/Date: SPA 1 9/4/97

5.1.10 VERIFY Tare Weight for OTP-CRL-PO-001 is set to 31 kilograms.

TE Initials/Date: SPA 1 9/4/97

VERIFY FACILITY DE-CI LEVEL IS CORRECT ON DMSSO101 SCREEN.

COMP. ENG. SPA 1 9/4/97
NOTE - In WRP1-OP-0502, RECEIVE, STORE AND SHIP WASTE CONTAINERS, section titled, "Unload/Store Waste Containers", the last step in the section gives the Operator the option of storing the drums per WRP1-OP-0506, OPERATION OF THE ASRS. This Test will exercise that option and store all eight drums in ASRS prior to proceeding further.

5.1.11 STORE all four incoming LLW overpacked test drums per WRP1-OP-0506, OPERATION OF THE ASRS, section titled, "Drum Storage from Pallet Stand".

TE Initials/Date: / 9/5/97

5.1.12 STORE all four incoming TRU overpacked test drums per WRP1-OP-0506, OPERATION OF THE ASRS, section titled, "Drum Storage from Pallet Stand".

TE Initials/Date: / 9/5/97

5.1.13 VERIFY data for all LLW drums by comparing to the tables in Attachment 6, Data Tables, indicated below:

<table>
<thead>
<tr>
<th>DRUM</th>
<th>TABLE</th>
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<tbody>
<tr>
<td>OTP-CRL-PI-001</td>
<td>XIX.2</td>
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<tr>
<td>OTP-CRL-PO-001</td>
<td>XX.2</td>
</tr>
<tr>
<td>OTP-CRL-PI-002</td>
<td>XXI.2</td>
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<tr>
<td>OTP-CRL-PO-002</td>
<td>XXII.2</td>
</tr>
<tr>
<td>OTP-CRL-PI-003</td>
<td>XXIII.2</td>
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<tr>
<td>OTP-CRL-PO-003</td>
<td>XXIV.2</td>
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<tr>
<td>OTP-CRL-PI-004</td>
<td>XXV.2</td>
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<tr>
<td>OTP-CRL-PO-004</td>
<td>XXVI.2</td>
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</tbody>
</table>

Computer Engineer Initials/Date: / 12/31/98
5.1.14 VERIFY data for all TRU drums by comparing to the tables in Attachment 6, Data Tables, indicated below:

<table>
<thead>
<tr>
<th>DRUM</th>
<th>TABLE</th>
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<tbody>
<tr>
<td>OTP-CRT-PI-001</td>
<td>XXVII.2</td>
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<td>OTP-CRT-PO-001</td>
<td>XXVIII.2</td>
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<tr>
<td>OTP-CRT-PI-002</td>
<td>XXIX.2</td>
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<td>OTP-CRT-PO-002</td>
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<td>OTP-CRT-PI-003</td>
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<tr>
<td>OTP-CRT-PI-004</td>
<td>XXXIII.2</td>
</tr>
<tr>
<td>OTP-CRT-PO-004</td>
<td>XXXIV.2</td>
</tr>
</tbody>
</table>

Computer Engineer Initials/Date: [Signature] 12/20/48
5.2 RECEIVE AND ROUTE EMPTY DRUMS

UNLOAD THE FOLLOWING EMPTY DRUMS TO THE RECEIVING DOCK AND UNLOAD the following empty 55-Gallon One-Trip Drums from the Receiving Dock to the Empty Drum Storage Area per WRP1-OP-0502, section titled, "Unload/Store Waste Containers":

- OTP-COLD-MT-01
- OTP-COLD-MT-02
- OTP-COLD-MT-03
- OTP-COLD-MT-04
- OTP-COLD-MT-05
- OTP-COLD-MT-06
- OTP-COLD-MT-07
- OTP-COLD-MT-08

5.2.1 VERIFY RTAP displays the following drums in the Empty Drum Storage Area:

- OTP-COLD-MT-01
- OTP-COLD-MT-02
- OTP-COLD-MT-03
- OTP-COLD-MT-04
- OTP-COLD-MT-05
- OTP-COLD-MT-06
- OTP-COLD-MT-07
- OTP-COLD-MT-08

Computer Engineer Initials/Date: [Signature]

5.2.2 SET the route to "A" for all eight of the One Trip Drums listed above. ROUTE "GA" FOR OTP-COLD-MT-09, AND ROUTE "5" FOR OTP-COLD-MT-10 AND OTP-COLD-MT-11.

Computer Engineer Initials/Date: [Signature]

5.2.3 VERIFY DMS displays the correct locations for the following drums:

- OTP-COLD-MT-01
- OTP-COLD-MT-02
- OTP-COLD-MT-03
- OTP-COLD-MT-04
- OTP-COLD-MT-05
- OTP-COLD-MT-06
- OTP-COLD-MT-07
- OTP-COLD-MT-08

Computer Engineer Initials/Date: [Signature]
ATTACHMENT 4 - BALANCE OF PLANT COLD RUN TEST PLAN

5.2.5 UNLOAD empty 55 Gallon Entry/Exit Drum, OTP-COLD-MT-09 from the Receiving Dock to the Empty Drum Storage Area per WRPI-OP-0502, section titled, "Unload/Store Waste Containers".

COMPLETED IN
STEP 5.2.1
TE Initials/Date: 12/20/99

5.2.6 SET the route to "6A" for empty 55 Gallon Entry/Exit Drum, OTP-COLD-MT-09.

COMPLETED IN
STEP 5.2.2
Computer Engineer Initials/Date: 12/17/99

5.2.7 UNLOAD empty 85 Gallon Drath & Shrader Drums, OTP-COLD-MT-10 and OTP-COLD-MT-11 from the Receiving Dock to the Empty Drum Storage Area per WRPI-OP-0502, section titled, "Unload/Store Waste Containers".

COMPLETED IN
STEP 5.2.3
SRA 12/17/99
TE Initials/Date: 12/20/99

5.2.8 SET the route to "5A" for empty 85 Gallon Drath & Shrader Drums, OTP-COLD-MT-10 and OTP-COLD-MT-11.

Computer Engineer Initials/Date: 12/20/99

5.2.9 VERIFY Tare Weight for MT-10 is set to 31 kilograms.

TE Initials/Date: 12/20/99

5.2.10 VERIFY RTAP displays the following drums in the Empty Drum Storage Area:

- OTP-COLD-MT-09
- OTP-COLD-MT-10
- OTP-COLD-MT-11

COMPLETED IN
STEP 5.2.3
SRA 12/17/99

Computer Engineer Initials/Date: 12/20/99

5.2.11 VERIFY DMS displays the correct locations for the following drums:

- OTP-COLD-MT-09
- OTP-COLD-MT-10
- OTP-COLD-MT-11

COMPLETED IN SRA
STEP 5.2.4
12/17/99

Computer Engineer Initials/Date: 12/20/99
5.2.12 VERIFY data for all empty drums by comparing to the tables in Attachment 6, Data Tables, indicated below:

<table>
<thead>
<tr>
<th>DRUM</th>
<th>TABLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>OTP-COLD-MT-01</td>
<td>IV.2</td>
</tr>
<tr>
<td>OTP-COLD-MT-02</td>
<td>V.2</td>
</tr>
<tr>
<td>OTP-COLD-MT-03</td>
<td>VI.2</td>
</tr>
<tr>
<td>OTP-COLD-MT-04</td>
<td>VII.2</td>
</tr>
<tr>
<td>OTP-COLD-MT-05</td>
<td>VIII.2</td>
</tr>
<tr>
<td>OTP-COLD-MT-06</td>
<td>IX.2</td>
</tr>
<tr>
<td>OTP-COLD-MT-07</td>
<td>X.2</td>
</tr>
<tr>
<td>OTP-COLD-MT-08</td>
<td>XI.2</td>
</tr>
<tr>
<td>OTP-COLD-MT-09</td>
<td>XII.2</td>
</tr>
<tr>
<td>OTP-COLD-MT-10</td>
<td>XIII.2</td>
</tr>
<tr>
<td>OTP-COLD-MT-11</td>
<td>XIV.2</td>
</tr>
</tbody>
</table>

Computer Engineer Initials/Date: RA 2/17/92

5.2.13 LOAD and SCAN the following empty test drums onto the Empty Drum Infeed Conveyor, 101-CV-05-105, in numerical order, using WRPI-OP-0503, MOVE WASTE DRUMS THROUGHOUT THE WRAP FACILITY, section titled, "Load Empty Drums onto Empty Drum Infeed Conveyor":

OTP-COLD-MT-01 (55 Gallon One Trip)
OTP-COLD-MT-02 (55 Gallon One Trip)
OTP-COLD-MT-03 (55 Gallon One Trip)
OTP-COLD-MT-04 (55 Gallon One Trip)
OTP-COLD-MT-05 (55 Gallon Entry/Exit)
OTP-COLD-MT-09 (55 Gallon One Trip)
OTP-COLD-MT-11 (85 Gallon Drath & Schrader)
OTP-COLD-MT-05 (55 Gallon One Trip)

5.2.14 ENSURE OTP-COLD-MT-01 (55 Gallon One Trip) is positioned ready for AGV pickup on the end of Empty Drum Infeed Conveyor, 101-CV-05-105.

TE Initials/Date: RA 2/17/92
5.2.15 REVERSE Empty Drum Infeed Conveyor, 101-CV-05-105, sufficiently to make room on the AGV end of the conveyor to load OTP-COLD-MT-10 (85 Gallon Drath & Schrader) in front of OTP-COLD-MT-01 (55 Gallon One Trip).

TE Initials/Date: 5/20 1/10/97

5.2.16 LOAD and SCAN OTP-COLD-MT-10 (85 Gallon Drath & Schrader) on the AGV end of Empty Drum Infeed Conveyor, 101-CV-05-105.

TE Initials/Date: 5/20 1/10/97

5.2.17 VERIFY on RTAP that routes and PINs assigned to empty drums on Empty Drum Infeed Conveyor, 101-CV-05-105, are correct.

Computer Engineer Initials/Date: 5/20 1/10/97

5.2.18 SEND OTP-COLD-MT-10 (85 Gallon Drath & Schrader Drum) to Empty Drum Staging Conveyor, 107-CV-09-203, using the "REQUEST AGV PU" button on the "EMPTY DRUM INFEED CONVEYOR" RTAP Screen.

Computer Engineer Initials/Date: 5/20 1/10/97

5.2.19 MONITOR progress of OTP-COLD-MT-10 through Airlock and to Empty Drum Staging Conveyor, 107-CV-09-203, using RTAP.

Computer Engineer Initials/Date: 5/20 1/10/97

5.2.20 SEND OTP-COLD-MT-01, OTP-COLD-MT-02, OTP-COLD-MT-03, OTP-COLD-MT-04, (55 Gallon One Trip Drums) to Empty Drum Staging Conveyor, 107-CV-09-204, one at a time, using the "REQUEST AGV PU" button on the "EMPTY DRUM INFEED CONVEYOR" RTAP Screen.

Computer Engineer Initials/Date: 5/20 1/10/97
5.2.21 SEND OTP-COLD-MT-09 (55 Gallon Entry/Exit Drum) to LLW/RWM Drum Entry/Exit Port, 107-DO-07-202, (Lift Table, 107-09-CV-201E) using the "REQUEST AGV PU" button on the "EMPTY DRUM INFEED CONVEYOR" RTAP Screen.

Computer Engineer Initials/Date: 91/92

5.2.22 SEND OTP-COLD-MT-11 (85 Gallon Drath & Schrader Drum) to Empty Drum Staging Conveyor, 107-CV-09-203, using the "REQUEST AGV PU" button on the "EMPTY DRUM INFEED CONVEYOR" RTAP Screen.

Computer Engineer Initials/Date: 91/92

NOTE - The Process Area AGV may require time to work through its queue prior to performing verification steps 5.2.23 through 5.2.26.

5.2.23 VERIFY the Process Area AGV has delivered one 55 Gallon One Trip Drum to each of the following Lift Tables:

- 107-LT-09-201A (for TRU/RWM Exit Port 107-DO-07-402B)
- 107-LT-09-201B (for TRU/RWM Exit Port 107-DO-07-402A)
- 107-LT-09-202D (for TRU Exit Port 107-DO-07-309)
- 107-LT-09-202E (for TRU Exit Port 107-DO-07-310)

TE Initials/Date: 91/92

5.2.24 VERIFY the Process Area AGV has delivered OTP-COLD-MT-09 (55 Gallon Entry/Exit Drum) to LLW/RWM Drum Entry/Exit Port, 107-DO-07-202.

TE Initials/Date: 91/92

5.2.25 VERIFY the Process Area AGV has delivered OTP-COLD-MT-10 (85 Gallon Drath & Schrader Drum) to Lift Table 107-LT-09-203 (for TRU Compacted Empty Drum Loadout Port, 107-DO-07-308).

TE Initials/Date: 91/92

5.2.26 VERIFY the Process Area AGV has delivered OTP-COLD-MT-11 (85 Gallon Drath & Schrader Drum) to Empty Drum Staging Conveyor, 107-CV-09-203.

TE Initials/Date: 91/92
ATTACHMENT 4 - BALANCE OF PLANT COLD RUN TEST PLAN

5.2.27 VERIFY on RTAP, on both the Process Area Overview and Lift Tables Screens, that all drum information is correct.

Computer Engineer Initials/Date: 30/01/92

5.2.28 LOAD and SCAN the following empty test drums onto the Empty Drum Infeed Conveyor, 101-CV-05-105, in numerical order, using WRPl-OP-0503, MOVE WASTE DRUMS THROUGHOUT THE WRAP FACILITY, section titled, "Load Empty Drums onto Empty Drum Infeed Conveyor":

- OTP-COLD-MT-05 (55 Gallon One Trip)
- OTP-COLD-MT-06 (55 Gallon One Trip)
- OTP-COLD-MT-07 (55 Gallon One Trip)
- OTP-COLD-MT-08 (55 Gallon One Trip)

TE Initials/Date: 9/03/92

5.2.29 SEND OTP-COLD-MT-05, OTP-COLD-MT-06, OTP-COLD-MT-07, OTP-COLD-MT-08, (55 Gallon One Trip Drums) to Empty Drum Staging Conveyor, 107-CV-09-204, one at a time, using the "REQUEST AGV PU" button on the "EMPTY DRUM INFEED CONVEYOR" RTAP Screen.

Computer Engineer Initials/Date: 9/03/92

5.2.30 VERIFY OTP-COLD-MT-05, OTP-COLD-MT-06, OTP-COLD-MT-07, OTP-COLD-MT-08, (55 Gallon One Trip Drums) arrive at Empty Drum Staging Conveyor, 107-CV-09-204.

Computer Engineer Initials/Date: 9/03/92

5.2.31 VERIFY correct location has been recorded on DMS for all empty containers.

Computer Engineer Initials/Date: 9/03/92

5.2.32 VERIFY on RTAP, on both Process Area Overview, Empty Drum Staging, and Lift Table Screens, that drums are present and drum data is correct.

Computer Engineer Initials/Date: 9/03/92

5.2.33 AT EACH LIFT TABLE CONTAINING AN EMPTY DRUM, SCAN THE LIFT TABLE LOCATION, DRUM PIN, END, AND VES.

TP Initials 9/03/92

5.2.34 VERIFY ALL DMS DATA FOR EMPTY DRUMS IS CORRECT.

CE Initials 9/03/92
5.3 RECEIVE, ROUTE, NDE, AND SHIP ROUTE 9 VERIFICATION DRUMS

5.3.1 VERIFY Pre-Shipment Documentation Review is completed satisfactory for OTP-COLD-WV-01, 208 liter (55 gallon) Verification Drum per WRP1-OP-0502, RECEIVE, STORE AND SHIP WASTE CONTAINERS.

TE Initials/Date: 02/07/87

5.3.2 VERIFY Pre-Shipment Documentation Review is completed satisfactory for OTP-COLD-WV-02, 322 liter (85 gallon) Verification Drum per WRP1-OP-0502, RECEIVE, STORE AND SHIP WASTE CONTAINERS.

TE Initials/Date: 12/23/87

5.3.3 UNLOAD Verification Drums OTP-COLD-WV-01 and OTP-COLD-WV-02 per WRP1-OP-0502, section titled, "Unload/Store Waste Containers".

TE Initials/Date: 12/23/87

5.3.4 VERIFY DMS data for OTP-COLD-WV-01 and OTP-COLD-WV-02 using Attachment 6, Data Tables XV.2 and XVI.2.

TE Initials/Date: 01/30/87

5.3.5 LOAD and SCAN both Verification Drums, OTP-COLD-WV-01 and OTP-COLD-WV-02 onto the Drum Infeed Conveyor, 101-CV-05-101A, in numerical order, using WRP1-OP-0503, MOVE WASTE DRUMS THROUGHOUT THE WRAP FACILITY, section titled, "Load Drum Infeed Conveyor and Weigh Drums (REMOTE MODE)".

TE Initials/Date: 01/24/87

5.3.6 ENSURE the AGV picks up both Verification Drums from the Drum Infeed Conveyor, 101-CV-05-101B, OTP-COLD-WV-01 and OTP-COLD-WV-02 and delivers them to the NDE Vault.

TE Initials/Date: 01/24/87
5.3.7 CONDUCT Drum NDE Operations on both Verification Drums, OTP-COLD-WV-01 and OTP-COLD-WV-02, per WRP1-OP-0908, OPERATION OF THE DRUM NONDESTRUCTIVE EXAMINATION SYSTEM, section titled, Drum NDE Operations.

TE Initials/Date: 68 1/24/97

5.3.8 WHEN the Verification Drum, OTP-COLD-WV-01, completes NDE examination, AND WRP1-OP-0908 directs the Operator to depress the "EXAM COMPLETE" button on the control console, THEN ensure the AGV picks up OTP-COLD-WV-01.

TE Initials/Date: 78 1/23/97

5.3.9 WHEN the Verification Drum, OTP-COLD-WV-02, completes NDE examination, AND WRP1-OP-0908 directs the Operator to depress the "EXAM COMPLETE" button on the control console, THEN ensure the AGV picks up OTP-COLD-WV-02.

TE Initials/Date: 98 1/24/97

5.3.10 ENSURE Verification Drums, OTP-COLD-WV-01 and OTP-COLD-WV-02 are both delivered to the Drum Discharge Conveyor, 101-CY-05-102.

TE Initials/Date: 9X 1/25/97

5.3.11 VERIFY DMS data using Attachment 6, Data Tables, Tables XV.3 and XVI.3.

Computer Engineer Initials/Date: 928 1/25/97

5.3.12 SCAN OTP-COLD-WV-01 and OTP-COLD-WV-02 at Discharge Conveyor Weight Scale.

TE Initials/Date: 68 1/26/97

5.3.13 VERIFY DMS data using Attachment 6, Data Tables, Tables XV.4 and XVI.4.

Computer Engineer Initials/Date: 86 1/27/97
ATTACHMENT 4 - BALANCE OF PLANT COLD RUN TEST PLAN

5.3.14 CONDUCT Verification Data Review.

Computer Engineer Initials/Date: \( \text{\underline{OE}} \) 1/24/98

5.3.15 SHIP Verification Drums, OTP-COLD-WV-01 and OTP-COLD-WV-02 per WRP1-OP-0502, RECEIVE, STORE AND SHIP WASTE CONTAINERS, section titled, Ship Waste Drums.

TE Initials/Date: \( \text{\underline{DP}} \) 1/24/98

5.3.16 PERFORM DMS and SWITS Data Review using Attachment 6, Data Tables, Tables XV.5 and XVI.5.

Computer Engineer Initials/Date: \( \text{\underline{SP}} \) 1/24/98
ATTACHMENT 4 - BALANCE OF PLANT COLD RUN TEST PLAN

5.4 RECEIVE, STORE, ROUTE, NDE, NDA, STORE, RETRIEVE, AND SHIP ROUTE 1 VERIFICATION DRUMS

5.4.1 VERIFY Pre-Shipment Documentation Review is completed satisfactory for OTP-COLD-WV-03, 208 liter (55 gallon) Verification Drum per WRP1-OP-0502, RECEIVE, STORE AND SHIP WASTE CONTAINERS.

TE Initials/Date: 12/20/98

5.4.2 VERIFY Pre-Shipment Documentation Review is completed satisfactory for OTP-COLD-WV-04, 322 liter (85 gallon) Verification Drum per WRP1-OP-0502, RECEIVE, STORE AND SHIP WASTE CONTAINERS.

TE Initials/Date: 12/20/98

5.4.3 UNLOAD Verification Drums OTP-COLD-WV-03 and OTP-COLD-WV-04 per WRP1-OP-0502, section titled, "Unload/Store Waste Containers".

TE Initials/Date: 7/10/99

NOTE - In WRP1-OP-0502, RECEIVE, STORE AND SHIP WASTE CONTAINERS, section titled, "Unload/Store Waste Containers", the last step in the section gives the Operator the option of storing the drums per WRP1-OP-0506, OPERATION OF THE ASRS. This Test will exercise that option and store both drums in ASRS prior to proceeding further.

5.4.4 STORE both incoming Verification drums per WRP1-OP-0506, OPERATION OF THE ASRS, section titled, "Drum Storage from Pallet Stand".

TE Initials/Date: 7/8/92

5.4.5 PERFORM Pre-Operation Background and QC Test Drum Checks of the NDA Equipment per WRP1-OP-0903, DRUM NON-DESTRUCTIVE ASSAY (NDA) AUTOMATIC OPERATION, section titled Assay of Test Drums (Section A).

TE Initials/Date: 12/20/98
5.4.6 SET the following for both Verification Drums, OTP-COLD-WV-03 and OTP-COLD-WV-04:

- Route = "1"
- Profile = "TEST"
- Sample Flag = "N"
- Profile Flag = "Y"
- Compliant Flag = "Y"

TE Initials/Date: 12/30/97

5.4.7 RETRIEVE both Verification drums per WRP1-OP-0506, OPERATION OF THE ASRS, section titled, "Drum Retrieval to the Pallet Stand".

TE Initials/Date: 1/9/98

5.4.8 LOAD both Verification Drums, OTP-COLD-WV-03 and OTP-COLD-WV-04 onto the Drum Infeed Conveyor, 101-CV-05-101A, in numerical order, using WRP1-OP-0503, MOVE WASTE DRUMS THROUGHOUT THE WRAP FACILITY, section titled, "Load Drum Infeed Conveyor and Weigh Drums (REMOTE MODE)".

TE Initials/Date: 12/20/97

5.4.9 ENSURE the AGV picks up both Verification Drums from the Drum Infeed Conveyor, 101-CV-05-101B, OTP-COLD-WV-03 and OTP-COLD-WV-04 and delivers them to an available NDE Vault.

TE Initials/Date: 12/20/97

5.4.10 CONDUCT Drum NDE Operations on both Verification Drums, OTP-COLD-WV-03 and OTP-COLD-WV-04, per WRP1-OP-0908, OPERATION OF THE DRUM NONDESTRUCTIVE EXAMINATION SYSTEM, section titled, Drum NDE Operations.

TE Initials/Date: 12/20/97
ATTACHMENT 4 – BALANCE OF PLANT COLD RUN TEST PLAN

5.4.11 WHEN the Verification Drum, OTP-COLD-WV-03, completes NDE examination, AND WRPI-OP-0908 directs the Operator to depress the "EXAM COMPLETE" button on the control console, THEN ensure the following:

- AGV picks up OTP-COLD-WV-03.
- AGV delivers OTP-COLD-WV-03 to an available PAN Unit.

TE Initials/Date: 38 12/20/68

5.4.12 CONDUCT automatic mode NDA operations (IPAN and GEA) on OTP-COLD-WV-03 per WRPI-OP-0903, DRUM NON-DESTRUCTIVE ASSAY (NDA) AUTOMATIC OPERATION.

TE Initials/Date: 38 12/20/68

5.4.13 WHEN the Verification Drum, OTP-COLD-WV-04, completes NDE examination, AND WRPI-OP-0908 directs the Operator to depress the "EXAM COMPLETE" button on the control console, THEN ensure the following:

- AGV picks up OTP-COLD-WV-04.
- AGV delivers OTP-COLD-WV-04 to an available PAN Unit.

TE Initials/Date: 38 12/20/68

5.4.14 CONDUCT automatic mode NDA operations (IPAN and GEA) on OTP-COLD-WV-04 per WRPI-OP-0903, DRUM NON-DESTRUCTIVE ASSAY (NDA) AUTOMATIC OPERATION.

TE Initials/Date: 38 12/20/68

5.4.15 VERIFY Verification Drums, OTP-COLD-WV-03 and OTP-COLD-WV-04 are both delivered to the Drum Discharge Conveyor, 101-CV-05-102, following completion of NDA operations.

TE Initials/Date: 38 12/20/68

5.4.16 VERIFY DMS data using Attachment 6, Data Tables, Tables VII.3 and VIII.3.

Computer Engineer Initials/Date: 38 12/20/68
ATTACHMENT 4 - BALANCE OF PLANT COLD RUN TEST PLAN

5.4.17 SCAN OTP-COLD-WV-03 and OTP-COLD-WV-04 at Discharge Conveyor Weight Scale.

TE Initials/Date: D 12/20/99

5.4.18 VERIFY DMS data using Attachment 6, Data Tables, Tables VII.4 and VIII.4.

Computer Engineer Initials/Date: 12/20/99

5.4.19 STORE Verification Drums, OTP-COLD-WV-03 and OTP-COLD-WV-04 in ASRS from the Drum Discharge Conveyor, 101-CV-05-102 per WRPI-OP-0506, OPERATION OF THE ASRS, section titled, "Drum Storage from Pallet Stand".

TE Initials/Date: D 12/20/99

5.4.20 PERFORM Post-Operation Background and QC Test Drum Checks of the NDA Equipment per WRPI-OP-0903, DRUM NON-DESTRUCTIVE ASSAY (NDA) AUTOMATIC OPERATION, section titled Assay of Test Drums (Section D).

TE Initials/Date: D 12/20/99

5.4.21 CONDUCT NDA Data Review.

Computer Engineer Initials/Date: D 12/20/99

5.4.22 CONDUCT Verification Data Review.

Computer Engineer Initials/Date: D 12/20/99

5.4.23 RETRIEVE Verification Drums, OTP-COLD-WV-03 and OTP-COLD-WV-04 from ASRS per WRPI-OP-0506, OPERATION OF THE ASRS, section titled, "DRUM RETRIEVAL TO THE PALLET STAND".

TE Initials/Date: D 12/20/99


TE Initials/Date: D 12/20/99
5.4.25 PERFORM DMS and SWITS Data Review using Attachment 6, Data Tables, Tables XVII.5 and XVIII.5

Computer Engineer Initials/Date: 01/12/93

SEE EXCEPTION

#25

SPA 12/16/91
### ATTACHMENT 5 - COLD RUN INITIALIZATION

#### INITIALIZATION FOR AREAS 1 and 2

<table>
<thead>
<tr>
<th>STEP</th>
<th>DESCRIPTION</th>
<th>INIT.</th>
<th>DATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Run script to initialize SWITS data.</td>
<td>per JH</td>
<td>9/4/97</td>
</tr>
<tr>
<td>2</td>
<td>Run script to initialize WRAPTEST database</td>
<td>per JH</td>
<td>9/4/97</td>
</tr>
<tr>
<td>3</td>
<td>Verify that DMSCOM is up and connected to DMS test database.</td>
<td></td>
<td>9/4/97</td>
</tr>
<tr>
<td>4</td>
<td>Verify that all resources required for the test are available.</td>
<td></td>
<td>9/4/97</td>
</tr>
<tr>
<td>5</td>
<td>Verify that AGVCS queue is set up as required, both vehicles are on-line, and any existing moves on roller decks are cleared.</td>
<td></td>
<td>9/4/97</td>
</tr>
<tr>
<td>6</td>
<td>Verify that SIE is up and status is IDLE.</td>
<td>SPA</td>
<td>2/02/98</td>
</tr>
<tr>
<td>7</td>
<td>Verify that area 2 NDE vaults being used are up and available.</td>
<td>SPA</td>
<td>2/02/98</td>
</tr>
<tr>
<td>8</td>
<td>Verify that GEA units being used are up and available.</td>
<td>SPA</td>
<td>2/02/98</td>
</tr>
<tr>
<td>9</td>
<td>Verify that PAN units being used are up and available.</td>
<td>SPA</td>
<td>2/02/98</td>
</tr>
<tr>
<td>10</td>
<td>Verify that all area 1/2 conveyors are in remote mode.</td>
<td>SPA</td>
<td>2/02/98</td>
</tr>
<tr>
<td>11</td>
<td>Verify that all area 3 lift tables are at the proper height and AGV/PANEL switch is set to AGV and M-O-N switch is set to NORMAL as appropriate.</td>
<td>SPA</td>
<td>9/4/97</td>
</tr>
<tr>
<td>12</td>
<td>Verify that all AGV pathways are clear of obstructions.</td>
<td>SPA</td>
<td>9/4/97</td>
</tr>
<tr>
<td>13</td>
<td>Verify that the NDE/NDA carousel is available and has the two QC drums.</td>
<td>SPA</td>
<td>2/02/98</td>
</tr>
<tr>
<td>14</td>
<td>Initialize QC data in SIE by simulating drum location message at N NCRSL.</td>
<td>SPA</td>
<td>2/02/98</td>
</tr>
<tr>
<td>15</td>
<td>Verify that the two background drums are on the background conveyors.</td>
<td>SPA</td>
<td>2/02/98</td>
</tr>
<tr>
<td>16</td>
<td>Verify that RTAP shows no drums on any area 1 conveyors.</td>
<td>LWR</td>
<td>9/4/97</td>
</tr>
<tr>
<td>17</td>
<td>Verify that RTAP shows no drums in any NDA vault being used.</td>
<td>LWR</td>
<td>9/4/97</td>
</tr>
<tr>
<td>18</td>
<td>Verify that RTAP shows no drums on either empty drum staging conveyor.</td>
<td></td>
<td>9/4/97</td>
</tr>
<tr>
<td>19</td>
<td>Verify in PLC that counters for empty drum staging conveyor are initialized.</td>
<td></td>
<td>9/4/97</td>
</tr>
<tr>
<td>20</td>
<td>Verify that RTAP shows only the two QC drums in the NDE/NDA BSC drum table and QC check is not in progress.</td>
<td>SPA</td>
<td>2/02/98</td>
</tr>
<tr>
<td>21</td>
<td>Verify that the PLC counters for the discharge conveyor are correct.</td>
<td>JWR</td>
<td>9/4/97</td>
</tr>
</tbody>
</table>
## ATTACHMENT 5 - COLD RUN INITIALIZATION

<table>
<thead>
<tr>
<th>STEP</th>
<th>DESCRIPTION</th>
<th>INIT.</th>
<th>DATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>22</td>
<td>Verify that the PLC counters for the float table are initialized.</td>
<td>LMK</td>
<td>9/4/97</td>
</tr>
<tr>
<td>23</td>
<td>Verify that the PLC counters for the receiving table are initialized.</td>
<td>LMK</td>
<td>9/4/97</td>
</tr>
<tr>
<td>24</td>
<td>Verify that the PLC counters for the shipping dock are initialized and the table is empty.</td>
<td>RA</td>
<td>6/20/98</td>
</tr>
<tr>
<td>25</td>
<td>Verify that the PLC counters for the received table are initialized.</td>
<td>LMK</td>
<td>9/4/97</td>
</tr>
<tr>
<td>26</td>
<td>Verify that RTAP indicates background checks are not in progress.</td>
<td>RA</td>
<td>6/20/98</td>
</tr>
<tr>
<td>27</td>
<td>Verify that the PLC counters for the empty drum shipping area are set and the table is empty.</td>
<td>RA</td>
<td>6/20/98</td>
</tr>
<tr>
<td>28</td>
<td>Verify that the PLC counters for the empty drum storage area are set and the table is empty.</td>
<td>LMK</td>
<td>9/4/97</td>
</tr>
<tr>
<td>29</td>
<td>Verify in RTAP that receiving table is empty.</td>
<td>LMK</td>
<td>9/4/97</td>
</tr>
<tr>
<td>30</td>
<td>Verify in RTAP that shipping pick list table is empty.</td>
<td>RA</td>
<td>6/20/98</td>
</tr>
<tr>
<td>31</td>
<td>Verify that empty drum shipping area is empty.</td>
<td>RA</td>
<td>6/20/98</td>
</tr>
<tr>
<td>32</td>
<td>Verify that empty drum storage area is empty.</td>
<td>LMK</td>
<td>9/4/97</td>
</tr>
<tr>
<td>33</td>
<td>Verify DMS data for QC and background drums by comparing data against Table II.</td>
<td>RA</td>
<td>6/20/98</td>
</tr>
<tr>
<td>34</td>
<td>Verify that all airlock conveyors are in remote.</td>
<td>LF</td>
<td>9/4/97</td>
</tr>
<tr>
<td>35</td>
<td>Verify on RTAP that both AIRLOCK SYSTEM A and AIRLOCK SYSTEM B conveyor AUTO/MANUAL switches are in the AUTO position, AUTO MODE switches are in the START position, and all direction switches are in the forward position.</td>
<td>FS</td>
<td>9/4/97</td>
</tr>
</tbody>
</table>

END.
### ATTACHMENT 5 - COLD RUN INITIALIZATION

**INITIALIZATION REQUIRED FOR AREA 3 ONLY**

<table>
<thead>
<tr>
<th>STEP</th>
<th>DESCRIPTION</th>
<th>DATA</th>
<th>NETCOM</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Verify that the RWM BSC is available.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Verify that RTAP shows only the two transfer drums on the RWM BSC drum table.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Verify that the PLC counters for queues in RWM BSC are initialized.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>END</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Initialization steps 10, 27, 31, and the three unnumbered steps above were performed but were not signed off at the time performed. Completion of affected test sections is evidence that these initialization steps were performed. The omission was inadvertent.  
Scott Andervan 11/25/97  
(Test Director)
## ATTACHMENT 5 - COLD RUN INITIALIZATION
### ALARMS BEING TESTED

<table>
<thead>
<tr>
<th>ALARM No.</th>
<th>DESCRIPTION</th>
<th>LOCATION</th>
<th>PIN</th>
<th>WHERE DISPLAYED</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>No PU FGE value for drum entering process area.</td>
<td>AIRCVYR_A3</td>
<td>OTP-CRT-PI-001</td>
<td>RTAP will display a red alarm with message &quot;NO PU FGE VALUE FOR DRUM ENTERING PROCESS AREA&quot;.</td>
</tr>
<tr>
<td>2</td>
<td>PU FGE limit exceeded for drum entering process area.</td>
<td>AIRCVYR_A3</td>
<td>OTP-CRT-PI-002</td>
<td>RTAP will display a red alarm with message &quot;NO PU FGE VALUE FOR DRUM AT TRU GLOVEBOX ENTRY&quot;.</td>
</tr>
<tr>
<td>3</td>
<td>No Pu FGE value for drum at TRU entry.</td>
<td>TRU_GLVEBX</td>
<td>OTP-CRT-PI-001</td>
<td>RTAP will display a red alarm with message &quot;NO PU FGE VALUE FOR DRUM ENTERING PROCESS AREA&quot;.</td>
</tr>
<tr>
<td>4</td>
<td>Pu FGE limit exceeded for TRU GB.</td>
<td>TRU_GLVEBX</td>
<td>OTP-CRT-PI-002</td>
<td>Red alarm on RTAP display for AREA 3. All material movement under PCS should cease.</td>
</tr>
<tr>
<td>5</td>
<td>Pu FGE limit exceeded for area 3 at TRU RWM</td>
<td>TRURWENTRY</td>
<td>OTP-COLD-TD-01</td>
<td>Red alarm on RTAP display for TRU_GLVEBX. All material movement under PCS should cease.</td>
</tr>
<tr>
<td>6</td>
<td>No Pu FGE value for packet in transfer drum at TRU RWM</td>
<td>TRURWENTRY</td>
<td>OTP-COLD-TD-01</td>
<td>RTAP will display a red alarm with message &quot;NO PU FGE VALUE FOR DRUM ENTERING PROCESS AREA&quot;.</td>
</tr>
<tr>
<td>7</td>
<td>No Pu FGE value for packet in transfer drum at RWM BSC</td>
<td>RWM_CRSLS</td>
<td>OTP-COLD-TD-01</td>
<td>RTAP will display a red alarm with message &quot;NO PU FGE VALUE FOR DRUM ENTERING PROCESS AREA&quot;.</td>
</tr>
<tr>
<td>8</td>
<td>No Pu FGE value for product drum at discharge conveyor</td>
<td>DISCHCVYR</td>
<td>OTP-COLD-MT-09</td>
<td>RTAP will display a red alarm with message &quot;NO PU FGE VALUE FOR PRODUCT DRUM AT DISCHARGE CONVEYOR&quot;.</td>
</tr>
</tbody>
</table>
## ATTACHMENT 5 - COLD RUN INITIALIZATION

### ALARMS BEING TESTED

<table>
<thead>
<tr>
<th>ALARM No.</th>
<th>DESCRIPTION</th>
<th>LOCATION</th>
<th>PIN</th>
<th>WHERE DISPLAYED</th>
</tr>
</thead>
<tbody>
<tr>
<td>9</td>
<td>Facility DECi value exceeded at receiving</td>
<td>101 screen</td>
<td>OTP-CRL-PI-004</td>
<td>Displayed as non-fatal (warning) popup during data confirmation at receipt. RTAP alarm when &quot;Download Cert. Data&quot; button pushed on DMS 101 screen.</td>
</tr>
<tr>
<td>10</td>
<td>Drum DECi limit exceeded at receiving</td>
<td>101 screen</td>
<td>OTP-CRL-PI-004</td>
<td>Displayed as non-fatal (warning) popup during data confirmation at receipt. No alarms sent and drum can still be received after acknowledgement of popup.</td>
</tr>
<tr>
<td>11</td>
<td>Drum Pu FGE limit exceeded at receiving</td>
<td>101 screen</td>
<td>OTP-CRL-PI-004</td>
<td>Displayed as non-fatal (warning) popup during data confirmation at receipt. No alarms sent and drum can still be received after acknowledgement of popup.</td>
</tr>
<tr>
<td>12</td>
<td>Drum beta/gamma dose rate limit exceeded at receiving</td>
<td>101 screen</td>
<td>OTP-CRL-PI-004</td>
<td>Displayed as non-fatal (warning) popup during data confirmation at receipt. No alarms sent and drum can still be received after acknowledgement of popup.</td>
</tr>
<tr>
<td>13</td>
<td>Criticality message from SIE</td>
<td>SIE</td>
<td>OTP-COLD-MT-09</td>
<td>Red alarm on RTAP. All movement of material under control of PCS should cease.</td>
</tr>
</tbody>
</table>

END
## Table I. Cold run scenarios by drum PIN.

<table>
<thead>
<tr>
<th>DRUM PIN</th>
<th>DESCRIPTION OF SCENARIO</th>
</tr>
</thead>
<tbody>
<tr>
<td>OTP-COLD-MT-01</td>
<td>Empty 55 gallon one trip. Receive drum and set route to 4A. Load onto empty drum input conveyor and send to empty drum staging conveyor 204. Transfer drum from staging conveyor to lift table 202D. Run script to simulate drum being filled with waste so that when it hits photo eye all data is complete. Drum completes normal processing for route 101 through NDE. Do not release from NDE until two product drums are diverted to NDE/NDA BSC. Continue normal processing through PAN, GEA, Discharge, and ASRS. Complete processed drum data review and create shipping pick list. Create shipping papers ?? Drum is retrieved from ASRS as part of shipment ?? and shipped.</td>
</tr>
<tr>
<td>OTP-COLD-MT-02</td>
<td>Empty 55 gallon one trip. Receive drum and set route to 4A. Load onto empty drum input conveyor and send to empty drum staging conveyor 204. Transfer drum from staging conveyor to lift table 202E. Run script to simulate drum being filled with waste so that when it hits photo eye all data is complete. Drum completes normal processing for route 101 through NDE, PAN, GEA, Discharge, and ASRS. Drum is retrieved from ASRS and shipped.</td>
</tr>
<tr>
<td>OTP-COLD-MT-03</td>
<td>Empty 55 gallon one trip. Receive drum and set route to 4A. Load onto empty drum input conveyor and send to empty drum staging conveyor 204. Transfer drum from staging conveyor to lift table 201A. Run script to simulate drum being filled with waste including addition of hazardous waste. Drum exits with normal route 101 to NDE, PAN and GEA, and discharge. Verify at airlock that weight percents have been calculated for hazardous components. Drum is retrieved from ASRS and shipped.</td>
</tr>
<tr>
<td>OTP-COLD-MT-04</td>
<td>Empty 55 gallon one trip. Receive drum and set route to 4A. Load onto empty drum input conveyor and send to empty drum staging conveyor 204. Transfer drum from staging conveyor to lift table 201B. Run script to simulate drum being filled with waste so that when it hits photo eye all data is complete. Drum completes normal processing for route 101 through NDE, PAN, GEA, Discharge, and ASRS. Drum is retrieved from ASRS and shipped.</td>
</tr>
</tbody>
</table>
### ATTACHMENT 6 - DATA TABLES

<table>
<thead>
<tr>
<th>DRUM PIN</th>
<th>DESCRIPTION OF SCENARIO</th>
</tr>
</thead>
</table>
| OTP-COLD-MT-05 | Empty 55 gallon one trip. Receive drum and set route to 4A. Load onto empty drum input conveyor and send to empty drum staging conveyor 204. When an empty is removed from lift table 202D, 202E, 201A, or 201B the following scenario should be completed:  
1. pick up empty at conveyor 203.  
2. Pick up full waste drum and move both drums to AGV hold point.  
3. Release AGV from hold point using OIU 104A 'ENTRY HOLD POINT' menu and 'RELEASE AGV' button.  
4. Drop off empty drum at lift table.  
5. Drop off full waste drum at airlock. |
## ATTACHMENT 6 - DATA TABLES

<table>
<thead>
<tr>
<th>DRUM PIN</th>
<th>DESCRIPTION OF SCENARIO</th>
</tr>
</thead>
<tbody>
<tr>
<td>OTP-COLD-MT-09</td>
<td>Empty 55 gallon E/E drum. Receive drum and set route to 6A. Load onto empty drum input conveyor and send to LLW RWM exit 201E. Run script to simulate filling with waste and exit GB via normal route 101 to discharge conveyor. Simulate criticality limit exceeded alarm from SIE when drum exits GEA. Stop drum after leaving PAN to verify there is no Pu FGE value and then release. Alarm should be generated for no Pu FGE value for product drum at discharge conveyor.</td>
</tr>
<tr>
<td>OTP-COLD-MT-10</td>
<td>Empty 85 gallon D&amp;S. Receive drum and set route to 5A. Initial drum data will have a null tare weight to show that tare weight is filled in at receiving. Load onto the FRONT of the empty infeed by reversing the conveyor and scanning the drum PIN. Drum will be delivered to empty drum staging conveyor 203C.</td>
</tr>
<tr>
<td>OTP-COLD-MT-11</td>
<td>Empty 85 gallon D&amp;S. Receive drum and set route to 5A. Load onto empty drum input conveyor and send to empty drum staging conveyor 203C. This drum should replace drum on lift table 203C when it is removed.</td>
</tr>
<tr>
<td>OTP-COLD-WV-01</td>
<td>55 gallon drum for verification via route 9. Receive and place directly on infeed conveyor. NDE analysis only, verification data review, ship directly from discharge conveyor. Package status is &quot;A&quot; so verification record should be sent to SWITS.</td>
</tr>
<tr>
<td>OTP-COLD-WV-02</td>
<td>85 gallon drum for verification via route 9. Receive and place directly on infeed conveyor. NDE analysis only, verification data review, ship directly from discharge conveyor. Package status is &quot;A&quot; so verification record should be sent to SWITS.</td>
</tr>
<tr>
<td>OTP-COLD-WV-03</td>
<td>55 gallon drum for verification via route 1. Receive and store in ASRS. NDE and NDA analysis and store back in ASRS. Perform verification data review, verification NDA data review. Retrieve from ASRS and ship. Package status is &quot;T&quot; so verification record should NOT be created.</td>
</tr>
<tr>
<td>OTP-COLD-WV-04</td>
<td>85 gallon drum for verification via route 1. Receive and store in ASRS. NDE and NDA analysis and store back in ASRS. Perform verification data review, verification NDA data review. Retrieve from ASRS and ship. Package status is &quot;T&quot; so verification record should NOT be created.</td>
</tr>
<tr>
<td>OTP-CRL-PI-001</td>
<td>55 gallon LLW drum for processing at LLW entry in an 85 gal overpack. Receive and store in ASRS. Initial drum data will have a null tare weight to show that tare weight is filled in at receiving. Retrieve and process through NDE and NDA and directly to lift table 202A. Hold there until RWM BSC queue is full and one drum is sent to NDE/NDA carousel. Run script to simulate drum being processed in GB.</td>
</tr>
<tr>
<td>DRUM PIN</td>
<td>DESCRIPTION OF SCENARIO</td>
</tr>
<tr>
<td>------------------</td>
<td>------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>OTP-CRL-PO-001</td>
<td>85 gallon overpack for OTP-CRL-PI-001. Initial drum data will have a null tare weight to show that tare weight is filled in at receiving for outer container. Set contaminated flag to 'Y' and verify empty drum gets sent directly to lift table 202C. Run script to simulate drum being processed in GB. Leave at lift table 202C until one more contaminated overpack drums have been sent to RWM carousel 'LLW GEN EXIT' queue. Drum exits with normal route 102 to PAN, GEA, and discharge. Return to ASRS. Complete data review, shipping papers, and ship.</td>
</tr>
<tr>
<td>OTP-CRL-PI-002</td>
<td>55 gallon LLW drum for processing at LLW entry in an 85 gal overpack. Receive and store in ASRS. Run script to set Pu FGE value to 200 to set off alarm for entering area 3. Retrieve and process through NDE and NDA with drum OTP-CRL-PI-001 already at LLW entry so this drum should be diverted to RWM BSC and entered into 'LLW ENTRY GB' queue. When OTP-CRL-PI-001 is removed from lift table 202A this drum should get automatically sent to lift table 202A.</td>
</tr>
<tr>
<td>OTP-CRL-PO-002</td>
<td>85 gallon overpack for OTP-CRL-PI-002. Set contaminated flag to 'Y' and verify empty drum gets sent directly to lift table 201D. Leave at lift table 201D until one more contaminated overpack drums have been sent to RWM carousel. Run script to simulate drum being processed in GB including addition of hazardous waste. Drum exits with normal route 101 to NDE, PAN and GEA, and discharge. Verify at airlock that weight percents have been calculated for hazardous components. Return to ASRS. Complete data review, shipping papers, and ship.</td>
</tr>
<tr>
<td>OTP-CRL-PI-003</td>
<td>55 gallon LLW drum for processing at LLW entry in an 85 gal overpack. Receive and store in ASRS. Retrieve and process through NDE and NDA. This drum should fill the second position in RWM BSC 'LLW ENTRY GB' queue.</td>
</tr>
<tr>
<td>OTP-CRL-PO-003</td>
<td>85 gallon overpack for OTP-CRT-PI-003. This drum is received and transported to lift table 202A. Set contaminated flag to 'Y' and verify empty drum gets sent to RWM BSC 'LLW GEN EXIT' queue because lift table 201D and 201C are already occupied. Leave at RWM BSC until drum is removed from lift table 202C. Drum is automatically retrieved to lift table 202C when drum is removed from 202C. Run script to simulate drum being processed in GB. Drum exits with normal route 102 to PAN and GEA, and discharge. Return to ASRS. Complete data review, shipping papers, and ship.</td>
</tr>
</tbody>
</table>
## ATTACHMENT 6 - DATA TABLES

<table>
<thead>
<tr>
<th>DRUM PIN</th>
<th>DESCRIPTION OF SCENARIO</th>
</tr>
</thead>
<tbody>
<tr>
<td>OTP-CRL-PI-004</td>
<td>55 gallon LLW drum for processing at LLW entry in an 85 gal overpack. This drum should cause a facility DECi alarm at receipt. Receive and store in ASRS. Retrieve and process through NDE and NDA. With lift table 202A and the two 'LLW ENTRY GB' positions full in the RWM BSC this drum should get sent to the NDE/NDA BSC. When OTP-CRL-PI-003 is removed from the RWM BSC this drum should get sent to the RWM BSC automatically.</td>
</tr>
<tr>
<td>OTP-CRT-PI-004</td>
<td>85 gallon overpack for OTP-CRT-PI-004. Set contaminated flag to 'N' and verify empty drum gets sent directly to the discharge conveyor via route 103.</td>
</tr>
<tr>
<td>OTP-CRT-PI-001</td>
<td>55 gallon TRU drum for processing at TRU entry in an 85 gal overpack. Receive and store in ASRS. Run script after receipt to delete Pu FGE value. Retrieve and process through NDE and NDA and directly to lift table 202B. This drum should set off alarms at airlock and at TRU lift table that Pu FGE value is null. Hold there until RWM BSC queue is full and one drum is sent to NDE/NDA BSC. Run script to simulate this drum being processed into GB. End of processing for this PIN.</td>
</tr>
<tr>
<td>OTP-CRT-PI-001</td>
<td>85 gallon overpack for OTP-CRT-PI-001. This drum is received and transported to lift table 202B. Set contaminated flag to 'Y' and verify empty drum gets sent directly to lift table 202C.</td>
</tr>
<tr>
<td>OTP-CRT-PI-002</td>
<td>55 gallon TRU drum for processing at TRU entry in an 85 gal overpack. Receive and store in ASRS. Retrieve and process through NDE and NDA. When drum completes NDA signal a criticality message from SIE and observe that all material movement is halted until reset. This drum should set off FGE alarm for process area when it hits the airlock. Clear alarm and allow drum to process through normally. With drum OTP-CRT-PI-001 already at TRU entry so this drum should be diverted to RWM BSC and entered into 'TRU ENTRY GB' queue. When OTP-CRT-PI-001 is removed from lift table 2028 this drum should get automatically sent to lift table 202B. Read bar code at lift table and set off FGE alarm for TRU glovebox.</td>
</tr>
<tr>
<td>OTP-CRT-PO-002</td>
<td>85 gallon overpack for OTP-CRT-PI-002. Set contaminated flag to 'Y' and verify empty drum gets sent directly to lift table 201D.</td>
</tr>
<tr>
<td>OTP-CRT-PI-003</td>
<td>55 gallon TRU drum for processing at TRU entry in an 85 gal overpack. Receive and store in ASRS. Retrieve and process through NDE and NDA. Clear alarm and allow drum to process through normally. This drum should fill the second position in the RWM BSC 'TRU ENTRY GB' queue.</td>
</tr>
<tr>
<td>OTP-CRT-PO-003</td>
<td>85 gallon overpack for OTP-CRT-PI-003. Set contaminated flag to 'Y' and verify empty drum gets sent to RWM BSC 'LLW GEN EXIT' queue because lift table 201D and 201C are already occupied.</td>
</tr>
</tbody>
</table>
**ATTACHMENT 6 - DATA TABLES**

<table>
<thead>
<tr>
<th>DRUM PIN</th>
<th>DESCRIPTION OF SCENARIO</th>
</tr>
</thead>
<tbody>
<tr>
<td>OTP-CRT-PI-004</td>
<td>Same as OTP-CRT-PI-002 except this drum will get sent to the NDE/NDA BSC because there are no available position in area 3 for a TRU entry drum. When lift table 202B is available this drum should move to RWM BSC automatically.</td>
</tr>
<tr>
<td>OTP-CRT-PO-004</td>
<td>85 gallon overpack for OTP-CRT-PI-004. Set contaminated flag to 'N' and verify empty drum gets sent directly to discharge conveyor via route 103.</td>
</tr>
<tr>
<td>QC-LOW</td>
<td>Low QC drum.</td>
</tr>
<tr>
<td>QC-HIGH</td>
<td>High QC drum.</td>
</tr>
<tr>
<td>BACK-1</td>
<td>Background drum # 1.</td>
</tr>
<tr>
<td>BACK-2</td>
<td>Background drum # 2.</td>
</tr>
<tr>
<td>OTP-COLD-TD-01</td>
<td>TRU transfer drum. Starts out in RWM BSC and is transferred to lift table 203B. Run script to simulate filling and return to RWM BSC. Alarm should be generated for no Pu FGE value for one of the packets in the transfer drum at RWM BSC. Send to lift table 201C for simulated sampling. Alarm should be generated for no Pu FGE value for one of the packets in the transfer drum at TRU RWM GB. Change RADMAT ID to &quot;T&quot; while drum is still in RWM BSC to simulate drum coming from TRU GB. Send to lift table 201C for simulated processing. Alarm should be generated for Pu FGE limit exceeded at TRU RWM entry. Run script to simulate emptying and transfer back to RWM BSC.</td>
</tr>
<tr>
<td>OTP-COLD-TD-02</td>
<td>LLW transfer drum. Starts out in RWM BSC and is transferred to lift table 203A. Run script to simulate filling and return to RWM BSC. Send to lift table 201F for simulated sampling. Return to RWM BSC. Send to lift table 201F for simulated processing. Run script to simulate emptying and transfer back to RWM BSC.</td>
</tr>
<tr>
<td>RAD_PKG_ID</td>
<td>RAD_ISO_NUM</td>
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<tr>
<td>QC-HIGH</td>
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<td>QC-HIGH</td>
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<td>QC-HIGH</td>
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<td>85</td>
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<td>QC-LOW</td>
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<td>BACK-1</td>
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<td>CON PKG ID</td>
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<td>CON GROSS WGT</td>
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<td>CON TARE WGT</td>
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<td>CON PKG STATUS</td>
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<table>
<thead>
<tr>
<th>BACK-2</th>
<th>WASTE</th>
<th>WASTEXT</th>
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<tbody>
<tr>
<td>CON PKG ID</td>
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<td>CONEXT PKG ID = BACK-B</td>
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<td>CONEXT PROFILE FLAG = N</td>
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<tr>
<th>OTP-COLD-TD-01</th>
<th>WASTE</th>
<th>WASTEXT</th>
<th>RADDDETAIL</th>
<th>ISOQTY</th>
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<tbody>
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THINK ALARA IN ALL WE DO
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<tr>
<th>OTP-COLD-TD-02</th>
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<tbody>
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<td>ISOQTY</td>
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<table>
<thead>
<tr>
<th>AGVCS - AREA 1/2</th>
<th>Pickup</th>
<th>Dropoff</th>
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</thead>
<tbody>
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</tr>
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<td>UNKNOWN N-NCRSL</td>
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<td>AGVCS - AREA 3</td>
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<td>AGVAIRC B1</td>
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END
Table III. RTAP RWM BSC display for initial data.

<table>
<thead>
<tr>
<th>TRU ENTRY GB</th>
<th>LLW ENTRY GB</th>
<th>LLW GEN EXIT</th>
<th>TRU XFER PORT</th>
<th>TRU RWM SAMPLING</th>
<th>S1</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>OTP-COLD-TD-01</td>
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</table>

<table>
<thead>
<tr>
<th>TRU RWM PROCESS</th>
<th>S2</th>
<th>LLW XFER PORT</th>
<th>LLW RWM SAMPLING</th>
<th>S3</th>
<th>LLW RWM PROCESS</th>
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</tbody>
</table>
**Update Scripts**

- **crsul.sql**: Script to set up initial data on SWITS and DMS for all cold run data. This script should delete any existing data.

- **crul.sql**: Script to set CONEXT USE CD for all empty drums (CON_PKG_STATUS = 'U' or 'I') to 'EC'.

- **cru2.sql**: Set RDET_TOT_PU_FGE = 0 for OTP-CRT-PI-001, set RDET_TOT_PU_FGE = 200 for OTP-CRT-PI-002.

**Query Scripts**

- **crql**: Script to query all SWITS and DMS data. Should output in compressed format (.slst)

- **crq2.sql**: Script to display container location including date/time, RDET_TOT_PU_FGE, CON_PKG_STATUS, CONEXT_ROUTE_CD, CONEXT_USE_CD, and CONEXT_WRAP_STAT_CD for each drum sorted by drum.
Table IV - Data description for OTP-COLD-MT-01

<table>
<thead>
<tr>
<th>OTP-COLD-MT-01</th>
<th>Empty 55 gal one trip drum headed for TRU exit 202D</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Initial SWITS Data (SCRIPT)</strong></td>
<td><strong>WASTE</strong></td>
</tr>
<tr>
<td><strong>Table IV.1</strong></td>
<td><strong>CON PKG ID = OTP-COLD-MT-01</strong></td>
</tr>
<tr>
<td></td>
<td><strong>CON CNTYP CD = DM</strong></td>
</tr>
<tr>
<td></td>
<td><strong>CON LOCN FACIL ID = 2401W 2336W</strong></td>
</tr>
<tr>
<td></td>
<td><strong>CON PKG STATUS = I</strong></td>
</tr>
<tr>
<td></td>
<td><strong>CON PWTYP CD = R</strong></td>
</tr>
<tr>
<td></td>
<td><strong>CON SIZE DESC = 55 GALLON</strong></td>
</tr>
<tr>
<td></td>
<td><strong>CON GROSS WGT = 100</strong></td>
</tr>
<tr>
<td></td>
<td><strong>CON TARE WGT = 21</strong></td>
</tr>
</tbody>
</table>

| **Data after receipt** | **WASTE** |
| **Table IV.2** | **CON PKG ID = OTP-COLD-MT-01** |
| | **CON CNTYP CD = DM** |
| | **CON LOCN FACIL ID = 2336W** |
| | **CON PKG STATUS = I** |
| | **CON PWTYP CD = R** |
| | **CON SIZE DESC = 55 GALLON** |
| | **CON GROSS WGT = 100** |
| | **CON TARE WGT = 21** |

<p>| <strong>WASTEXT</strong> | <strong>CONEXT PKG ID = OTP-COLD-MT-01</strong> |
| | <strong>CONEXT USE CD = EC (CR # 149)</strong> |
| | <strong>CONEXT WRAP STAT CD = W</strong> |
| | <strong>CONEXT ROUTE CD = 4</strong> |</p>
<table>
<thead>
<tr>
<th>Data at airlock going into process area</th>
<th>Table IV.3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Radmat ID = F</td>
<td>Radmat ID = F</td>
</tr>
<tr>
<td>Radmat Alarm = F</td>
<td>Radmat Alarm = F</td>
</tr>
<tr>
<td>Radmat Limit = 1433</td>
<td>Radmat Limit = 177</td>
</tr>
<tr>
<td>Radmat Rad Tot = 10</td>
<td>Radmat Rad Tot = 10</td>
</tr>
<tr>
<td>Radmat Units = Ci</td>
<td>Radmat Units = FGE</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Data after scanning at lift table</th>
<th>Table IV.4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Radmat ID = T</td>
<td>Radmat ID = R</td>
</tr>
<tr>
<td>Radmat Alarm = F</td>
<td>Radmat Alarm = F</td>
</tr>
<tr>
<td>Radmat Limit = 177</td>
<td>Radmat Limit = 177</td>
</tr>
<tr>
<td>Radmat Rad Tot = 10</td>
<td>Radmat Rad Tot = 10</td>
</tr>
<tr>
<td>Radmat Units = FGE</td>
<td>Radmat Units = FGE</td>
</tr>
</tbody>
</table>
### After glovebox processing (SCRIPT)

Table IV.5

<table>
<thead>
<tr>
<th>Column</th>
<th>Description</th>
</tr>
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</table>
| WASTE  | CON_PKG_ID = OTP-COLD-MT-01  
CON_CNTYP_CD = DM  
CON_LOCN_FACIL_ID = 23361  
CON_PKG_STATUS = G  
CON_PWTYPE_CD = R  
CON_SIZE_DESCR = 55 GALLON  
CON_TARE_WGT = 21  
CON_GENER_WASTE_DESCR = PRODUCT DRUM FROM 202D  
CON_PWTYPE_CD = M  
CON_SCAT_CD = ANY |

### WASTEXT

<table>
<thead>
<tr>
<th>Column</th>
<th>Description</th>
</tr>
</thead>
</table>
| WASTEXT| CONEXT_PKG_ID = OTP-COLD-MT-01  
CONEXT_USE_CD = PD  
CONEXT_WRAP_STAT_CD = I  
CONEXT_FILLER_WGT = null  
CONEXT_PROF_ID =  
CONEXT_PROF_FLAG = Y  
CONEXT_ROUTE_CD = 401 H SET |

*SPA*  
2/17/98
<table>
<thead>
<tr>
<th>Table IV.6</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>RADMAT</strong></td>
<td></td>
</tr>
<tr>
<td>RADMAT ID = F</td>
<td></td>
</tr>
<tr>
<td>RADMAT_ALARM = F</td>
<td></td>
</tr>
<tr>
<td>RADMAT_LIMIT = 1433</td>
<td></td>
</tr>
<tr>
<td>RADMAT_rad tot =</td>
<td></td>
</tr>
<tr>
<td>RADMAT_UNITS = CI</td>
<td></td>
</tr>
<tr>
<td>RADMAT ID = T</td>
<td></td>
</tr>
<tr>
<td>RADMAT_ALARM = F</td>
<td></td>
</tr>
<tr>
<td>RADMAT_LIMIT = 177</td>
<td></td>
</tr>
<tr>
<td>RADMAT_rad tot =</td>
<td></td>
</tr>
<tr>
<td>RADMAT_UNITS = FGE</td>
<td></td>
</tr>
<tr>
<td>RADMAT ID = R</td>
<td></td>
</tr>
<tr>
<td>RADMAT_ALARM = F</td>
<td></td>
</tr>
<tr>
<td>RADMAT_LIMIT = 477</td>
<td></td>
</tr>
<tr>
<td>RADMAT_rad tot =</td>
<td></td>
</tr>
<tr>
<td>RADMAT_UNITS = FGE</td>
<td></td>
</tr>
<tr>
<td><strong>CONLOC</strong></td>
<td></td>
</tr>
<tr>
<td>CONLOC_PKG_ID = OTP-COLD-MT-01</td>
<td></td>
</tr>
<tr>
<td>CONLOC_DT = system date</td>
<td></td>
</tr>
<tr>
<td>CONLOC_LOCN_ID = TRU LDOUT1</td>
<td></td>
</tr>
<tr>
<td><strong>WASTE</strong></td>
<td></td>
</tr>
<tr>
<td>CON_PKG_DT = system date</td>
<td></td>
</tr>
<tr>
<td>CON_ACCUM_DT = system date</td>
<td></td>
</tr>
<tr>
<td>CON_GROSS_WT = conveyor weight</td>
<td></td>
</tr>
<tr>
<td>CON_LABPACK_FLAG = N</td>
<td></td>
</tr>
<tr>
<td>CON_PKG_STATUS = G</td>
<td></td>
</tr>
<tr>
<td>CON_PHYS_STATE_CD = S</td>
<td></td>
</tr>
<tr>
<td>CON_WASTE_WGT = gross - tare - filler</td>
<td></td>
</tr>
</tbody>
</table>

**Airlock exiting process area**

Table IV.6
<table>
<thead>
<tr>
<th>RADMAT</th>
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</thead>
<tbody>
<tr>
<td>RADMAT_ID = F</td>
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</tr>
<tr>
<td>RADMAT_ALARM = F</td>
<td></td>
</tr>
<tr>
<td>RADMAT_LIMIT = 1433</td>
<td></td>
</tr>
<tr>
<td>RADMAT_RAD_TOT =</td>
<td></td>
</tr>
<tr>
<td>RADMAT_UNITS = CI</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>RADMAT</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>RADMAT_ID = T</td>
<td></td>
</tr>
<tr>
<td>RADMAT_ALARM = F</td>
<td></td>
</tr>
<tr>
<td>RADMAT_LIMIT = 177</td>
<td></td>
</tr>
<tr>
<td>RADMAT_RAD_TOT =</td>
<td></td>
</tr>
<tr>
<td>RADMAT_UNITS = FGE</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>RADMAT</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>RADMAT_ID = R</td>
<td></td>
</tr>
<tr>
<td>RADMAT_ALARM = F</td>
<td></td>
</tr>
<tr>
<td>RADMAT_LIMIT = 177</td>
<td></td>
</tr>
<tr>
<td>RADMAT_RAD_TOT =</td>
<td></td>
</tr>
<tr>
<td>RADMAT_UNITS = FGE</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>CONLOC</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>CONEXT_VER_GROSS_WGT_FLAG = N</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Discharge conveyor</th>
<th>WASTEXT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Table IV.7</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Discharge conveyor weight scale</th>
<th>WASTEXT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Table IV.8</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Data after NDA data review</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Table IV.9</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Data after processed waste data review</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Table IV.10</td>
<td></td>
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</table>
### Table V - Data description for OTP-COLD-MT-02

<table>
<thead>
<tr>
<th>Initial SWITS Data (SCRIPT)</th>
<th>WASTE</th>
<th>WASTEXT</th>
</tr>
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<tbody>
<tr>
<td>OTP-COLD-MT-02</td>
<td>Empty 55 gal one trip drum headed for TRU exit 202D</td>
<td></td>
</tr>
<tr>
<td>Table V.1</td>
<td>CON_PKG_ID = OTP-COLD-MT-02</td>
<td>CONEXT_PKG_ID = OTP-COLD-MT-02</td>
</tr>
<tr>
<td></td>
<td>CON_CNTYP_CD = DM</td>
<td>CONEXT_USE_CD = EC (CR # 149)</td>
</tr>
<tr>
<td></td>
<td>CON_LOCN_FACIL_ID = 2401W</td>
<td>CONEXT_WRAP_STAT_CD = W</td>
</tr>
<tr>
<td></td>
<td>CON_PKG_STATUS = I</td>
<td>CONEXT_ROUTE_CD = 4</td>
</tr>
<tr>
<td></td>
<td>CON_PWTYP_CD = R</td>
<td></td>
</tr>
<tr>
<td></td>
<td>CON_SIZE_DESCR = 55 GALLON</td>
<td></td>
</tr>
<tr>
<td></td>
<td>CON_GROSS_WGT = 100</td>
<td></td>
</tr>
<tr>
<td></td>
<td>CON_TARE_WGT = 21</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Data after receipt</th>
<th>WASTE</th>
<th>WASTEXT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Table V.2</td>
<td>CON_PKG_ID = OTP-COLD-MT-02</td>
<td>CONEXT_PKG_ID = OTP-COLD-MT-02</td>
</tr>
<tr>
<td></td>
<td>CON_CNTYP_CD = DM</td>
<td>CONEXT_USE_CD = EC (CR # 149)</td>
</tr>
<tr>
<td></td>
<td>CON_LOCN_FACIL_ID = 2336W</td>
<td>CONEXT_WRAP_STAT_CD = W</td>
</tr>
<tr>
<td></td>
<td>CON_PKG_STATUS = U</td>
<td>CONEXT_ROUTE_CD = 4</td>
</tr>
<tr>
<td></td>
<td>CON_PWTYP_CD = R</td>
<td></td>
</tr>
<tr>
<td></td>
<td>CON_SIZE_DESCR = 55 GALLON</td>
<td></td>
</tr>
<tr>
<td></td>
<td>CON_GROSS_WGT = 100</td>
<td></td>
</tr>
<tr>
<td></td>
<td>CON_TARE_WGT = 21</td>
<td></td>
</tr>
</tbody>
</table>

**SAP 2/17/98**
Data at airlock going into process area

| RADMAT | RADMAT ID = F |
|        | RADMAT_ALARM = F |
|        | RADMAT_LIMIT = 1433 |
|        | RADMAT_RAD_TOT = 10 |
|        | RADMAT_UNITS = CI |
|        | RADMAT ID = T |
|        | RADMAT_ALARM = F |
|        | RADMAT_LIMIT = 177 |
|        | RADMAT_RAD_TOT = 10 |
|        | RADMAT_UNITS = FGE |
|        | RADMAT ID = R |
|        | RADMAT_ALARM = F |
|        | RADMAT_LIMIT = 177 |
|        | RADMAT_RAD_TOT = 10 |
|        | RADMAT_UNITS = FGE |

---

Table V.3 After glovebox processing (SCRIPT)

| CON_PKG ID | OTP-COLD-MT-02 |
| CON_CNTYP_CD | DM |
| CON_LOCN_FACIL_ID | 2336W |
| CON_PKG_STATUS | G |
| CON_PWTYPE_CD | R |
| CON_SIZE_DESCR | 55 GALLON |
| CON_TARE_WGT | 21 |
| CON_GENER_WASTE_DESCR | PRODUCT DRUM FROM 202D |
| CON_PWTYPE_CD | M |
| CON_SCAT_CD | ANY |

---

Table V.4 WASTE
<table>
<thead>
<tr>
<th>WASTEXT</th>
<th>CONEXT_PKG_ID = OTP-COLD-MT-02</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>CONEXT_USE_CD = PD</td>
</tr>
<tr>
<td></td>
<td>CONEXT_WRAP_STAT_CD = I</td>
</tr>
<tr>
<td></td>
<td>CONEXT_FILLER_WGT = null</td>
</tr>
<tr>
<td></td>
<td>CONEXT_PROF_ID =</td>
</tr>
<tr>
<td></td>
<td>CONEXT_PROF_FLAG = Y</td>
</tr>
<tr>
<td></td>
<td>CONEXT_ROUTE_CD = 101</td>
</tr>
<tr>
<td>RADMAT</td>
<td>RADMAT_ID = F</td>
</tr>
<tr>
<td></td>
<td>RADMAT_ALARM = F</td>
</tr>
<tr>
<td></td>
<td>RADMAT_LIMIT = 1433</td>
</tr>
<tr>
<td></td>
<td>RADMAT_RAD_TOT =</td>
</tr>
<tr>
<td></td>
<td>RADMAT_UNITS = CI</td>
</tr>
<tr>
<td></td>
<td>RADMAT_ID = T</td>
</tr>
<tr>
<td></td>
<td>RADMAT_ALARM = F</td>
</tr>
<tr>
<td></td>
<td>RADMAT_LIMIT = 177</td>
</tr>
<tr>
<td></td>
<td>RADMAT_RAD_TOT =</td>
</tr>
<tr>
<td></td>
<td>RADMAT_UNITS = FGE</td>
</tr>
<tr>
<td></td>
<td>RADMAT_ID = R</td>
</tr>
<tr>
<td></td>
<td>RADMAT_ALARM = F</td>
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<tr>
<td></td>
<td>RADMAT_LIMIT = 177</td>
</tr>
<tr>
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<td>RADMAT_RAD_TOT =</td>
</tr>
<tr>
<td></td>
<td>RADMAT_UNITS = FGE</td>
</tr>
<tr>
<td>CONLOC</td>
<td>CONLOC_PKG_ID = OTP-COLD-MT-02</td>
</tr>
<tr>
<td></td>
<td>CONLOC_DT = system date</td>
</tr>
<tr>
<td></td>
<td>CONLOC_LOCN_ID = TRU_LDOUT1</td>
</tr>
</tbody>
</table>

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<table>
<thead>
<tr>
<th>Location</th>
<th>Table</th>
<th>WASTE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Airlock exiting process area</td>
<td>V.5</td>
<td>CON_PKG DT = system date</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CON_ACCUM DT = system date</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CON_GROSS WT = conveyor weight</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CON_LABPACK_FLAG = N</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CON_PKG_STATUS = G</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CON_PHYS_STATE_CD = S</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CON_WASTE_WGT = gross - tare - filler</td>
</tr>
<tr>
<td>Discharge conveyor</td>
<td>V.6</td>
<td>WASTEXT</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CONEXT_WRAP_STAT_CD = C</td>
</tr>
</tbody>
</table>

**Table V.5**

**Table V.6**
<table>
<thead>
<tr>
<th>Discharge conveyor weight scale</th>
<th>WASTEXT</th>
<th>CONEXT_VER_GROSS_WGT_FLAG = N</th>
</tr>
</thead>
<tbody>
<tr>
<td>Talbe V.7</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Data after NDA data review</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Table V.8</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Data after processed waste data review</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Table V.9</td>
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<td></td>
</tr>
<tr>
<td>END</td>
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</tbody>
</table>
Table VI - Data description for OTP-COLD-MT-03

<table>
<thead>
<tr>
<th>Data Description</th>
<th>Table VI.1</th>
<th>Table VI.2</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Initial SWITS Data (SCRIPT)</strong></td>
<td><strong>WASTE</strong>&lt;br&gt;<strong>Table VI.1</strong></td>
<td><strong>WASTE</strong>&lt;br&gt;<strong>Table VI.2</strong></td>
</tr>
<tr>
<td>OTP-COLD-MT-03 Empty 55 gal one trip drum headed for TRU exit 202D</td>
<td>CON_PKG_ID = OTP-COLD-MT-03&lt;br&gt;CON_CNTYP_CD = DM&lt;br&gt;CON_LOCN_FACIL_ID = 2401W&lt;br&gt;CON_PKG_STATUS = I&lt;br&gt;CON_PWTYPE_CD = R&lt;br&gt;CON_SIZE_DESCR = 55 GALLON&lt;br&gt;CON_GROSS_WGT = 100&lt;br&gt;CON_TARE_WGT = 21</td>
<td>CON_PKG_ID = OTP-COLD-MT-03&lt;br&gt;CON_CNTYP_CD = DM&lt;br&gt;CON_LOCN_FACIL_ID = 2336W&lt;br&gt;CON_PKG_STATUS = I&lt;br&gt;CON_PWTYPE_CD = R&lt;br&gt;CON_SIZE_DESCR = 55 GALLON&lt;br&gt;CON_GROSS_WGT = 100&lt;br&gt;CON_TARE_WGT = 21</td>
</tr>
<tr>
<td><strong>Data after receipt</strong></td>
<td><strong>WASTE</strong>&lt;br&gt;<strong>Table VI.2</strong></td>
<td><strong>WASTEXT</strong>&lt;br&gt;<strong>Table VI.2</strong></td>
</tr>
<tr>
<td></td>
<td></td>
<td>CON_PKG_ID = OTP-COLD-MT-03&lt;br&gt;CON_CNTYP_CD = DM&lt;br&gt;CON_LOCN_FACIL_ID = 2336W&lt;br&gt;CON_PKG_STATUS = I&lt;br&gt;CON_PWTYPE_CD = R&lt;br&gt;CON_SIZE_DESCR = 55 GALLON&lt;br&gt;CON_GROSS_WGT = 100&lt;br&gt;CON_TARE_WGT = 21</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CONEXT_PKG_ID = OTP-COLD-MT-03&lt;br&gt;CONEXT_USE_CD = EC (CR # 149)&lt;br&gt;CONEXT_WRAP_STAT_CD = W&lt;br&gt;CONEXT_ROUTE_CD = 4</td>
</tr>
</tbody>
</table>
### Table VI.3

Data at airlock going into process area

<table>
<thead>
<tr>
<th>RADMAT</th>
<th>RADMAT ID = F</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>RADMAT_ALARM = F</td>
</tr>
<tr>
<td></td>
<td>RADMAT_LIMIT = 1433</td>
</tr>
<tr>
<td></td>
<td>RADMAT_RAD_TOT = 10</td>
</tr>
<tr>
<td></td>
<td>RADMAT_UNITS = CI</td>
</tr>
<tr>
<td>RADMAT ID = T</td>
<td>RADMAT_ALARM = F</td>
</tr>
<tr>
<td>RADMAT_LIMIT = 177</td>
<td>RADMAT_RAD_TOT = 10</td>
</tr>
<tr>
<td>RADMAT_UNITS = FGE</td>
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</tr>
<tr>
<td>RADMAT ID = R</td>
<td>RADMAT_ALARM = F</td>
</tr>
<tr>
<td>RADMAT_LIMIT = 177</td>
<td>RADMAT_RAD_TOT = 10</td>
</tr>
<tr>
<td>RADMAT_UNITS = FGE</td>
<td></td>
</tr>
</tbody>
</table>

### Table VI.4

After glovebox processing (SCRIPT)

| CON_PKG_ID = OTP-COLD-MT-03 |
| CON_CNTYP_CD = DM |
| CON_LOCN_FACIL_ID = 2336W |
| CON_PKG_STATUS = G |
| CON_PWTYP_CD = R |
| CON_SIZE_DESCR = 55 GALLON |
| CON_TARE_WGT = 21 |
| CONGENER_WASTE_DESCR = PRODUCT DRUM FROM 202D |
| CON_PWTYP_CD = M |
| CON_SCAT_CD = ANY |

---

**ALARA IN ALL WE DO**
<table>
<thead>
<tr>
<th>Column</th>
<th>Value</th>
</tr>
</thead>
</table>
| WASTEXT | CONEXT_PKG_ID = OTP-COLD-MT-03  
CONEXT_USE_CD = PD  
CONEXT_WRAP_STAT_CD = I  
CONEXT_FILLER_WGT = null  
CONEXT_PROF_ID =  
CONEXT_PROF_FLAG = Y  
CONEXT_ROUTE_CD = 101 |
| HAZDETAIL | HDET_PKG_ID = OTP-COLD-MT-03 |
| CHEMCOMP | HAZ_PKG_ID = OTP-COLD-MT-03  
HAZ_COMP_ID = 67-64-1  
HAZ_COMP_TEXT = ACETONE  
HAZ_COMP_WGT = 2  
HAZ_PKG_ID = OTP-COLD-MT-03  
HAZ_COMP_ID = 64742-63-8  
HAZ_COMP_TEXT = REFINED PETROLEUM OIL  
HAZ_COMP_WGT = 2 |
| RADMAT | RADMAT_ID = F  
RADMAT_ALARM = F  
RADMAT_LIMIT = 1433  
RADMAT_RAD_TOT =  
RADMAT_UNITS = CI  
RADMAT_ID = T  
RADMAT_ALARM = F  
RADMAT_LIMIT = 177  
RADMAT_RAD_TOT =  
RADMAT_UNITS = FGE  
RADMAT_ID = R  
RADMAT_ALARM = F  
RADMAT_LIMIT = 177  
RADMAT_RAD_TOT =  
RADMAT_UNITS = FGE |
### CONLOC
- **CONLOC_PKG_ID** = OTP-COLD-MT-03
- **CONLOC_DT** = system date
- **CONLOC_LOCN_ID** = TRU LDOUT1

### WASTE
- **CON_PKG_DT** = system date
- **CON_ACCUM_DT** = system date
- **CON_GROSS_WT** = conveyor weight
- **CON_LABPACK_FLAG** = N
- **CON_PKG_STATUS** = G
- **CON_PHYS_STATE_CD** = S
- **CON_WASTE_WGT** = gross - tare - filler

### WASTEXT

### RADMAT
- **RADMAT_ID** = F
- **RADMAT_ALARM** = F
- **RADMAT_LIMIT** = 1433
- **RADMAT_RAD_TOT** = 
- **RADMAT_UNITS** = CI

- **RADMAT_ID** = T
- **RADMAT_ALARM** = F
- **RADMAT_LIMIT** = 177
- **RADMAT_RAD_TOT** = 
- **RADMAT_UNITS** = FGE

- **RADMAT_ID** = R
- **RADMAT_ALARM** = F
- **RADMAT_LIMIT** = 177
- **RADMAT_RAD_TOT** = 
- **RADMAT_UNITS** = FGE

### CONLOC
<table>
<thead>
<tr>
<th>Discharge conveyor</th>
<th>WASTEXT</th>
<th>CONEXT_WRAP_STAT_CD = C</th>
</tr>
</thead>
<tbody>
<tr>
<td>Table VI.6</td>
<td>---------</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Discharge conveyor weight scale</th>
<th>WASTEXT</th>
<th>CONEXT_VER_GROSS_WGT_FLAG = N</th>
</tr>
</thead>
<tbody>
<tr>
<td>Table VI.7</td>
<td>---------</td>
<td></td>
</tr>
</tbody>
</table>

| Data after NDA data review     |         |                               |
| Table VI.8                     |         |                               |

| Data after processed waste data review |         |                               |
| Table VI.9                        |         |                               |
### Table VII - Data description for OTP-COLD-MT-04

<table>
<thead>
<tr>
<th>OTP-COLD-MT-04</th>
<th>Empty 55 gal one trip drum headed for TRU exit 202D</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Initial SWITS Data (SCRIPT)</strong></td>
<td><strong>WASTE</strong></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
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</tr>
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<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

| **Data after receipt and after running script crul.sql.** | **WASTE** | CON_PKG_ID = OTP-COLD-MT-04 |
| | | CON_CNTYP_CD = DM |
| | | CON_LOCN_FACIL_ID = 2401W |
| | | CON_PKG_STATUS = W |
| | | CON_PWTYP_CD = RE |
| | | CON_SIZE_DESCR = 55 GALLON |
| | | CON_GROSS_WGT = 100 |
| | | CON_TARE_WGT = 21 |

<p>| <strong>WASTEXT</strong> | CONEXT_PKG_ID = OTP-COLD-MT-04 |
| | CONEXT_USE_CD = EC (CR # 149) |
| | CONEXT_WRAP_STAT_CD = W |
| | CONEXT_ROUTE_CD = 4 |</p>
<table>
<thead>
<tr>
<th>RADMAT ID</th>
<th>RADMAT_ALARM</th>
<th>RADMAT_LIMIT</th>
<th>RADMAT_RAD_TOT</th>
<th>RADMAT_UNITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>F</td>
<td>F</td>
<td>1433</td>
<td>10</td>
<td>CI</td>
</tr>
<tr>
<td>T</td>
<td>F</td>
<td>177</td>
<td>10</td>
<td>FGE</td>
</tr>
<tr>
<td>R</td>
<td>F</td>
<td>177</td>
<td>10</td>
<td>FGE</td>
</tr>
</tbody>
</table>

Data after NDA data review

Table VII.3

END
### Table VIII - Data description for OTP-COLD-MT-05

<table>
<thead>
<tr>
<th>Description</th>
<th>Code/Details</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Initial SWITS Data (SCRIPT)</strong></td>
<td>WASTE</td>
</tr>
<tr>
<td><strong>Table VIII.1</strong></td>
<td>CON_PKG_ID = OTP-COLD-MT-05</td>
</tr>
<tr>
<td></td>
<td>CON_CNTYPCD = DM</td>
</tr>
<tr>
<td></td>
<td>CON_LOCN_FACIL_ID = 2401W</td>
</tr>
<tr>
<td></td>
<td>CON_PKG_STATUS = I</td>
</tr>
<tr>
<td></td>
<td>CON_PWTPCD = R</td>
</tr>
<tr>
<td></td>
<td>CON_SIZE_DESCR = 55 GALLON</td>
</tr>
<tr>
<td></td>
<td>CON_GROSS_WGT = 100</td>
</tr>
<tr>
<td></td>
<td>CON_TARE_WGT = 21</td>
</tr>
</tbody>
</table>

| **Data after receipt**               | WASTE                                            |
| **Table VIII.2**                     | CON_PKG_ID = OTP-COLD-MT-05                       |
|                                      | CON_CNTYPCD = DM                                  |
|                                      | CON_LOCN_FACIL_ID = 2401W                         |
|                                      | CON_PKG_STATUS = U                               |
|                                      | CON_PWTPCD = R                                   |
|                                      | CON_SIZE_DESCR = 55 GALLON                        |
|                                      | CON_GROSS_WGT = 100                              |
|                                      | CON_TARE_WGT = 21                                |

<p>| WASTEXT                              | CONEXT_PKG_ID = OTP-COLD-MT-05                    |
|                                      | CONEXT_USE_CD = EC (CR # 149)                    |
|                                      | CONEXT.WRAP_STAT_CD = W                          |
|                                      | CONEXT_ROUTE_CD = 4                              |</p>
<table>
<thead>
<tr>
<th>RADMAT</th>
<th>RADMAT</th>
<th>RADMAT</th>
<th>RADMAT</th>
</tr>
</thead>
<tbody>
<tr>
<td>ID = F</td>
<td>ID = F</td>
<td>ID = T</td>
<td>ID = R</td>
</tr>
<tr>
<td>ALARM = F</td>
<td>ALARM = F</td>
<td>ALARM = F</td>
<td>ALARM = F</td>
</tr>
<tr>
<td>LIMIT = 1433</td>
<td>LIMIT = 177</td>
<td>LIMIT = 177</td>
<td>LIMIT = 177</td>
</tr>
<tr>
<td>RAD TOT = 10</td>
<td>RAD TOT = 10</td>
<td>RAD TOT = 10</td>
<td>RAD TOT = 10</td>
</tr>
<tr>
<td>UNITS = CI</td>
<td>UNITS = FGE</td>
<td>UNITS = FGE</td>
<td>UNITS = FGE</td>
</tr>
<tr>
<td>END</td>
<td>END</td>
<td>END</td>
<td>END</td>
</tr>
</tbody>
</table>
Table IX - Data description for OTP-COLD-MT-06

<table>
<thead>
<tr>
<th>OTP-COLD-MT-06 Empty 55 gal one trip drum headed for TRU exit 2020</th>
<th>CON PKG ID = OTP-COLD-MT-0106</th>
</tr>
</thead>
<tbody>
<tr>
<td>Initial SWITS Data (SCRIPT)</td>
<td>CON CNTYP CD = DM</td>
</tr>
<tr>
<td>Table IX.1</td>
<td>CON LOCN FACIL ID = 2401W</td>
</tr>
<tr>
<td></td>
<td>CON PKG STATUS = I</td>
</tr>
<tr>
<td></td>
<td>CON PWTYP CD = R</td>
</tr>
<tr>
<td></td>
<td>CON SIZE DESCR = 55 GALLON</td>
</tr>
<tr>
<td></td>
<td>CON GROSS WGT = 100</td>
</tr>
<tr>
<td></td>
<td>CON TARE WGT = 21</td>
</tr>
<tr>
<td></td>
<td>-------------------------------</td>
</tr>
<tr>
<td>Data after receipt</td>
<td>CON PKG ID = OTP-COLD-MT-06</td>
</tr>
<tr>
<td>Table IX.2</td>
<td>CON CNTYP CD = DM</td>
</tr>
<tr>
<td></td>
<td>CON LOCN FACIL ID = 2401W</td>
</tr>
<tr>
<td></td>
<td>CON PKG STATUS = U</td>
</tr>
<tr>
<td></td>
<td>CON PWTYP CD = R</td>
</tr>
<tr>
<td></td>
<td>CON SIZE DESCR = 55 GALLON</td>
</tr>
<tr>
<td></td>
<td>CON GROSS WGT = 100</td>
</tr>
<tr>
<td></td>
<td>CON TARE WGT = 21</td>
</tr>
<tr>
<td></td>
<td>CONEXT PKG ID = OTP-COLD-MT-06</td>
</tr>
<tr>
<td></td>
<td>CONEXT USE CD = EC (CR # 149)</td>
</tr>
<tr>
<td></td>
<td>CONEXT WRAP STAT CD = W</td>
</tr>
<tr>
<td></td>
<td>CONEXT ROUTE CD = 4</td>
</tr>
</tbody>
</table>

WASTE

WASTEXT
<table>
<thead>
<tr>
<th>RADMAT</th>
<th>RADMAT ID = F</th>
<th>RADMAT ALARM = F</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>RADMAT LIMIT = 1433</td>
<td>RADMAT_RAD_TOT = 10</td>
</tr>
<tr>
<td></td>
<td>RADMAT_UNITS = CI</td>
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</tr>
<tr>
<td>RADMAT</td>
<td>RADMAT ID = T</td>
<td>RADMAT ALARM = F</td>
</tr>
<tr>
<td></td>
<td>RADMAT LIMIT = 177</td>
<td>RADMAT_RAD_TOT = 10</td>
</tr>
<tr>
<td></td>
<td>RADMAT_UNITS = FGE</td>
<td></td>
</tr>
<tr>
<td>RADMAT</td>
<td>RADMAT ID = R</td>
<td>RADMAT ALARM = F</td>
</tr>
<tr>
<td></td>
<td>RADMAT LIMIT = 177</td>
<td>RADMAT_RAD_TOT = 10</td>
</tr>
<tr>
<td></td>
<td>RADMAT_UNITS = FGE</td>
<td></td>
</tr>
</tbody>
</table>
Table X - Data description for OTP-COLD-MT-07.

<table>
<thead>
<tr>
<th>OTP-COLD-MT-07</th>
<th>Empty 55 gal one trip drum headed for TRU exit 2020</th>
</tr>
</thead>
<tbody>
<tr>
<td>Initial SWITS Data (SCRIPT)</td>
<td>WASTE</td>
</tr>
<tr>
<td>Table X.1</td>
<td>CON_PKG_ID = OTP-COLD-MT-07</td>
</tr>
<tr>
<td></td>
<td>CON_CNTYP_CD = DM</td>
</tr>
<tr>
<td></td>
<td>CON_LOCN_FACIL_ID = 2401W</td>
</tr>
<tr>
<td></td>
<td>CON_PKG_STATUS = I</td>
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<tr>
<td></td>
<td>CON_PWTYPE_CD = R</td>
</tr>
<tr>
<td></td>
<td>CON_SIZE_DESCR = 55 GALLON</td>
</tr>
<tr>
<td></td>
<td>CON_GROSS_WGT = 100</td>
</tr>
<tr>
<td></td>
<td>CON_TARE_WGT = 21</td>
</tr>
<tr>
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<td>WASTEXT</td>
</tr>
<tr>
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<td>CON_PKG_ID = OTP-COLD-MT-07</td>
</tr>
<tr>
<td></td>
<td>CON_CNTYP_CD = DM</td>
</tr>
<tr>
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<td>CON_LOCN_FACIL_ID = 2401W</td>
</tr>
<tr>
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<td>CON_PKG_STATUS = U</td>
</tr>
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<td>CON_PWTYPE_CD = R</td>
</tr>
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<td></td>
<td>CON_SIZE_DESCR = 55 GALLON</td>
</tr>
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<td>CON_GROSS_WGT = 100</td>
</tr>
<tr>
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<td>CON_TARE_WGT = 21</td>
</tr>
<tr>
<td>Data after receipt</td>
<td>CONEXT_PKG_ID = OTP-COLD-MT-07</td>
</tr>
<tr>
<td>Table X.2</td>
<td>CONEXT_USE_CD = EC (CR # 149)</td>
</tr>
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<td>CONEXT.WRAP_STAT_CD = W</td>
</tr>
<tr>
<td></td>
<td>CONEXT_ROUTE_CD = 4</td>
</tr>
<tr>
<td>RADMAT</td>
<td>RADMAT_ID = F</td>
</tr>
<tr>
<td>--------</td>
<td>---------------</td>
</tr>
<tr>
<td></td>
<td>RADMAT_ALARM = F</td>
</tr>
<tr>
<td></td>
<td>RADMAT_LIMIT = 1433</td>
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<td>RADMAT_RAD_TOT = 10</td>
</tr>
<tr>
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<td>RADMAT_UNITS = CI</td>
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</table>

<table>
<thead>
<tr>
<th>RADMAT</th>
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</thead>
<tbody>
<tr>
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<td>RADMAT_RAD_TOT = 10</td>
</tr>
<tr>
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<td>RADMAT_UNITS = FGE</td>
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<table>
<thead>
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</thead>
<tbody>
<tr>
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</tr>
<tr>
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<td>RADMAT_LIMIT = 177</td>
</tr>
<tr>
<td></td>
<td>RADMAT_RAD_TOT = 10</td>
</tr>
<tr>
<td></td>
<td>RADMAT_UNITS = FGE</td>
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</tbody>
</table>
### Table XI - Data description for OTP-COLD-MT-08

<table>
<thead>
<tr>
<th>Table XI.1: Initial SWITS Data (SCRIPT)</th>
<th>WASTE</th>
<th>WASTEXT</th>
</tr>
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<tbody>
<tr>
<td></td>
<td>CON_PKG_ID = OTP-COLD-MT-08</td>
<td>CON_PKG_ID = OTP-COLD-MT-08</td>
</tr>
<tr>
<td></td>
<td>CON_CNTYP_CD = DM</td>
<td>CON_CNTYP_CD = DM</td>
</tr>
<tr>
<td></td>
<td>CON_LOCN_FACIL_ID = 2401W</td>
<td>CON_LOCN_FACIL_ID = 2401W</td>
</tr>
<tr>
<td></td>
<td>CON_PKG_STATUS = I</td>
<td>CON_PKG_STATUS = I</td>
</tr>
<tr>
<td></td>
<td>CON_PWTYP_CD = R</td>
<td>CON_PWTYP_CD = R</td>
</tr>
<tr>
<td></td>
<td>CON_SIZE_DECR = 55 GALLON</td>
<td>CON_SIZE_DECR = 55 GALLON</td>
</tr>
<tr>
<td></td>
<td>CON_GROSS_WGT = 100</td>
<td>CON_GROSS_WGT = 100</td>
</tr>
<tr>
<td></td>
<td>CON_TARE_WGT = 21</td>
<td>CON_TARE_WGT = 21</td>
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<table>
<thead>
<tr>
<th>Table XI.2: Data after receipt</th>
<th>WASTE</th>
<th>WASTTEXT</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>CON_PKG_ID = OTP-COLD-MT-08</td>
<td>CON_PKG_ID = OTP-COLD-MT-08</td>
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<tr>
<td></td>
<td>CON_CNTYP_CD = DM</td>
<td>CON_CNTYP_CD = DM</td>
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<tr>
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<td>CON_LOCN_FACIL_ID = 2401W</td>
<td>CON_LOCN_FACIL_ID = 2401W</td>
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<td>CON_PKG_STATUS = I</td>
<td>CON_PKG_STATUS = I</td>
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<tr>
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<td></td>
<td>CON_GROSS_WGT = 100</td>
<td>CON_GROSS_WGT = 100</td>
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<tr>
<td></td>
<td>CON_TARE_WGT = 21</td>
<td>CON_TARE_WGT = 21</td>
</tr>
</tbody>
</table>

WASTEXT:
- CONEXT_PKG_ID = OTP-COLD-MT-08
- CONEXT_USE_CD = EC (CR # 149)
- CONEXT.WRAP_STAT_CD = W
- CONEXT_ROUTE_CD = 4
<table>
<thead>
<tr>
<th>RADMAT</th>
<th>RADMAT</th>
<th>RADMAT</th>
<th>RADMAT</th>
</tr>
</thead>
<tbody>
<tr>
<td>RADMAT ID = F</td>
<td>RADMAT ALARM = F</td>
<td>RADMAT LIMIT = 1433</td>
<td>RADMAT RAD TOT = 10</td>
</tr>
<tr>
<td>RADMAT ID = T</td>
<td>RADMAT ALARM = F</td>
<td>RADMAT LIMIT = 177</td>
<td>RADMAT RAD TOT = 10</td>
</tr>
<tr>
<td>RADMAT ID = R</td>
<td>RADMAT ALARM = F</td>
<td>RADMAT LIMIT = 177</td>
<td>RADMAT RAD TOT = 10</td>
</tr>
</tbody>
</table>

END
Table XII - Data description for OTP-COLD-MT-09

<table>
<thead>
<tr>
<th>OTP COLD MT-09</th>
<th>Empty 55 gal one trip drum headed for TRU exit 2020</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Initial SWITS Data (SCRIPT)</strong></td>
<td>WASTE</td>
</tr>
</tbody>
</table>
| Table XII.1 | CON_PKG_ID = OTP-COLD-MT-09  
CON_CNTYP_CD = DM  
CON_LOCN_FACIL_ID = 2401W  
CON_PKG_STATUS = I  
CON_PWTYP_CD = R  
CON_SIZE_DESCR = 55 GALLON  
CON_GROSS_WGT = 100  
CON_TARE_WGT = 21 |
| **Data after receipt** | WASTE |
| Table XII.2 | CON_PKG_ID = OTP-COLD-MT-09  
CON_CNTYP_CD = DM  
CON_LOCN_FACIL_ID = 2401W 2334W  
CON_PKG_STATUS = U  
CON_PWTYP_CD = R-C  
CON_SIZE_DESCR = 55 GALLON  
CON_GROSS_WGT = 100  
CON_TARE_WGT = 21 |
| **WASTEXT** | CON_EXT_PKG_ID = OTP-COLD-MT-09  
CON_EXT_USE_CD = EC (CR # 149)  
CON_EXT_WRAP_STAT_CD = W  
CON_EXT_ROUTE_CD = A-C  
CON_EXT_DATE = 2/7/98 |
<table>
<thead>
<tr>
<th>Data at airlock going into process area</th>
<th>WASTE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Table XII.3</td>
<td></td>
</tr>
<tr>
<td>After glovebox processing (SCRIPT)</td>
<td></td>
</tr>
<tr>
<td>Table XII.4</td>
<td></td>
</tr>
</tbody>
</table>

**DATA TABLES**

<table>
<thead>
<tr>
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<th></th>
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</thead>
<tbody>
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<td></td>
</tr>
<tr>
<td>RADMAT_ALARM = F</td>
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</tr>
<tr>
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</tr>
<tr>
<td>RADMAT_RAD_TOT = 10</td>
<td></td>
</tr>
<tr>
<td>RADMAT_UNITS = CI</td>
<td></td>
</tr>
<tr>
<td></td>
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<td>RADMAT ID = T</td>
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<tr>
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<td></td>
</tr>
<tr>
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<tr>
<td>RADMAT_RAD_TOT = 10</td>
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<tr>
<td>RADMAT_UNITS = FGE</td>
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<tr>
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<td></td>
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<tr>
<td>RADMAT_UNITS = FGE</td>
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**CON PKG ID = OTP-COLD-MT-09**

<p>| CON_CNTYP CD = DM       |       |
| CON_LOCN FACIL ID = 2401W |       |
| CON_PKG STATUS = G      |       |
| CON_PWWTYP CD = R       |       |
| CON_SIZE DESCRIPT = 55 GALLON |       |
| CON_TARE WGT = 21       |       |
| CON_GENER WASTE_DESCR = PRODUCT DRUM FROM202D |       |
| CON_PWWTYP CD = M       |       |
| CON_SCAT CD = ANY       |       |</p>
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<tr>
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<tr>
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<td>CONEXT_WRAP_STAT_CD = I</td>
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<td></td>
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<td>CONEXT_PROF_FLAG = Y</td>
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<td>CONEXT_ROUTE_CD = 101</td>
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<td>RADMAT_UNITS = CI</td>
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<td></td>
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<td>RADMAT_RAD_TOT =</td>
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<td>RADMAT_UNITS = FGE</td>
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<tr>
<td></td>
<td>RADMAT_LIMIT = 177</td>
</tr>
<tr>
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<td>RADMAT_RAD_TOT =</td>
</tr>
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<td>RADMAT_UNITS = FGE</td>
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<tr>
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</tr>
<tr>
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<td>CONLOC_DT = system date</td>
</tr>
<tr>
<td></td>
<td>CONLOC_LOCN_ID = TRU LDOUT1</td>
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</table>

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**HANFORD NUCLEAR FACILITY**
**WRAP I**
Integrated Engineering Cold Run Test - Balance of Plant
ATTACHMENT 6 - DATA TABLES
**Airlock exiting process area**

**Table XII.5**

<table>
<thead>
<tr>
<th>TABLE</th>
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<th>DATA</th>
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</tr>
<tr>
<td></td>
<td>CON_ACCUM_DT</td>
<td>system date</td>
</tr>
<tr>
<td></td>
<td>CON_GROSS_WT</td>
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<td>CON_LABPACK_FLAG</td>
<td>N</td>
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<td></td>
<td>CON_PKG_STATUS</td>
<td>G</td>
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<tr>
<td></td>
<td>CON_PHYS_STATE_CD</td>
<td>S</td>
</tr>
<tr>
<td></td>
<td>CON_WASTE_WGT</td>
<td>gross - tare - filler</td>
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**WASTEXT**

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<tr>
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</tr>
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<td></td>
<td>RADMAT_LIMIT</td>
<td>1433</td>
</tr>
<tr>
<td></td>
<td>RADMAT_RAD_TOT</td>
<td></td>
</tr>
<tr>
<td></td>
<td>RADMAT_UNITS</td>
<td>CI</td>
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</table>

<table>
<thead>
<tr>
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<th>RADMAT_ID</th>
<th>T</th>
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</thead>
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<tr>
<td></td>
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<td>F</td>
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<td></td>
<td>RADMAT_LIMIT</td>
<td>177</td>
</tr>
<tr>
<td></td>
<td>RADMAT_RAD_TOT</td>
<td></td>
</tr>
<tr>
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<td>RADMAT_UNITS</td>
<td>FGE</td>
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</table>

<table>
<thead>
<tr>
<th>RADMAT</th>
<th>RADMAT_ID</th>
<th>R</th>
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</thead>
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<td></td>
<td>RADMAT_LIMIT</td>
<td>177</td>
</tr>
<tr>
<td></td>
<td>RADMAT_RAD_TOT</td>
<td></td>
</tr>
<tr>
<td></td>
<td>RADMAT_UNITS</td>
<td>FGE</td>
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</table>

**Discharge conveyor**

**Table XII.6**

<table>
<thead>
<tr>
<th>WASTEXT</th>
<th>CONTEXT_WRAP_STAT_CD</th>
<th>C</th>
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<tr>
<td></td>
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<tr>
<td>Discharge conveyor weight scale</td>
<td>WASTEXT</td>
<td>CONEXT_VER_GROSS_WGT_FLAG = N</td>
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<tr>
<td>--------------------------------</td>
<td>---------</td>
<td>-----------------------------</td>
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<tr>
<td>Table XII.7</td>
<td></td>
<td></td>
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<tr>
<td>Data after NDA data review</td>
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<td></td>
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<tr>
<td>Table XII.8</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Data after processed waste data review</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Table XII.9</td>
<td></td>
<td></td>
</tr>
<tr>
<td>END</td>
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<td></td>
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Table XIII - Data description for OTP-COLD-MT-010

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<tr>
<th>OTP-COLD-MT-10. Empty 85 gal D&amp;S</th>
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<th>WASTE</th>
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<td>Initial SWITS Data (SCRIPT)</td>
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<td>Table XIII.1</td>
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<tr>
<td></td>
<td>CON PKG ID = OTP-COLD-MT-10</td>
<td>CON PKG ID = OTP-COLD-MT-10</td>
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<tr>
<td></td>
<td>CON_CNTYP CD = DM</td>
<td>CON_CNTYP CD = DM</td>
</tr>
<tr>
<td></td>
<td>CON_LOCN FACIL ID = 2401W</td>
<td>CON_LOCN FACIL ID = 2401W</td>
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<td>CON_PKG STATUS = I</td>
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<td>CON_PWTTYP CD = R</td>
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<tr>
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<td>CON_TARE WGT = null</td>
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<td>Data after receipt</td>
<td>WASTE</td>
<td>WASTE</td>
</tr>
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<td>Table XIII.2</td>
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<td></td>
</tr>
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<td></td>
<td>CON PKG ID = OTP-COLD-MT-10</td>
<td>CON PKG ID = OTP-COLD-MT-10</td>
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<td>CON_CNTYP CD = DM</td>
<td>CON_CNTYP CD = DM</td>
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<td>CON_LOCN FACIL ID = 2401W</td>
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<td>CON_PKG STATUS = I</td>
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<td></td>
<td>CON_SIZE DESCRIPT = 85 GALLON</td>
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<td></td>
<td>CON_GROSS WGT = 100</td>
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<td>CON_TARE WGT = 31</td>
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<td></td>
</tr>
<tr>
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<td>CONEXT PKG ID = OTP-COLD-MT-10</td>
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<tr>
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<td>CONEXT_USE CD = EC (CR # 149)</td>
<td>CONEXT_USE CD = EC (CR # 149)</td>
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<td>CONEXT_WRAP STAT CD = W</td>
<td>CONEXT_WRAP STAT CD = W</td>
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<td></td>
<td>CONEXT_ROUTE CD = A'S</td>
<td>CONEXT_ROUTE CD = A'S</td>
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*SPA 2/17/98*
### Data at airlock going into process area

**Table XIII.3**

**After glovebox processing (SCRIPT)**

**Table XIII.4**

<table>
<thead>
<tr>
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</tr>
<tr>
<td>RADMAT_ALARM = F</td>
<td>CON_CNTYP_CD = DM</td>
</tr>
<tr>
<td>RADMAT_LIMIT = 1433</td>
<td>CON_LOCN_FACIL_ID = 2401W</td>
</tr>
<tr>
<td>RADMAT_RAD_TOT = 10</td>
<td>CON_PKG_STATUS = G</td>
</tr>
<tr>
<td>RADMAT_UNITS = CI</td>
<td>CON_PWTYP_CD = R</td>
</tr>
<tr>
<td>RADMAT_ID = T</td>
<td>CON_SIZE_DESCR = 85 GALLON</td>
</tr>
<tr>
<td>RADMAT_ALARM = F</td>
<td>CON_TARE_WGT = 31</td>
</tr>
<tr>
<td>RADMAT_LIMIT = 177</td>
<td>CON_GENER_WASTE_DESCR = PRODUCT DRUM</td>
</tr>
<tr>
<td>RADMAT_RAD_TOT = 10</td>
<td>FROM 202D</td>
</tr>
<tr>
<td>RADMAT_UNITS = FGE</td>
<td>CON_PWTYP_CD = M</td>
</tr>
<tr>
<td>RADMAT_ID = R</td>
<td>CON_SCAT_CD = ANY</td>
</tr>
<tr>
<td>RADMAT_ALARM = F</td>
<td></td>
</tr>
</tbody>
</table>
| WASTEXT | CONEXT_PKG_ID = OTP-COLD-MT-10  
|         | CONEXT_USE_CD = PD  
|         | CONEXT.WRAP_STAT_CD = I  
|         | CONEXT_FILLER_Wgt = null  
|         | CONEXT_PROF_ID =  
|         | CONEXT_PROF_FLAG = Y  
|         | CONEXT_ROUTE_CD = 101  |
|         |  
| RADMAT | RADMAT_ID = F  
|         | RADMAT_ALARM = F  
|         | RADMAT_LIMIT = 1433  
|         | RADMAT_RAD_TOT =  
|         | RADMAT_UNITS = CI  
|         | RADMAT_ID = T  
|         | RADMAT_ALARM = F  
|         | RADMAT_LIMIT = 177  
|         | RADMAT_RAD_TOT =  
|         | RADMAT_UNITS = FGE  
|         | RADMAT_ID = R  
|         | RADMAT_ALARM = F  
|         | RADMAT_LIMIT = 177  
|         | RADMAT_RAD_TOT =  
|         | RADMAT_UNITS = FGE  |
|         | CONLOC_PKG_ID = OTP-COLD-MT-10  
| CONLOC | CONLOC_DT = system date  
|         | CONLOC_LOCN_ID = TRU LDOUT1  |
### Table XIII.5

**Airlock exiting process area**

- **CON_PKG_DT** = system date
- **CON_ACCUM_DT** = system date
- **CON_GROSS_WT** = conveyor weight
- **CON_LABPACK_FLAG** = N
- **CON_PKG_STATUS** = G
- **CON_PHYS_STATE_CD** = S
- **CON_WASTE_WGT** = gross - tare - filler
- **CON_TARE_WGT** = 31

### WASTEXT

<table>
<thead>
<tr>
<th>RADMAT</th>
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<tbody>
<tr>
<td>RADMAT_ID = F</td>
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<td>RADMAT_ALARM = F</td>
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<tr>
<td>RADMAT_LIMIT = 1433</td>
</tr>
<tr>
<td>RADMAT_RAD_TOT =</td>
</tr>
<tr>
<td>RADMAT_UNITS = CI</td>
</tr>
</tbody>
</table>

| RADMAT_ID = T |
| RADMAT_ALARM = F |
| RADMAT_LIMIT = 177 |
| RADMAT_RAD_TOT = |
| RADMAT_UNITS = FGE |

| RADMAT_ID = R |
| RADMAT_ALARM = F |
| RADMAT_LIMIT = 177 |
| RADMAT_RAD_TOT = |
| RADMAT_UNITS = FGE |

### Table XIII.6

- **CONEXT_WRAP_STAT_CD** = C

---

**Discharge conveyor**

---

**HANFORD NUCLEAR FACILITY**

**WRAP I**

Integrated Engineering Cold Run Test - Balance of Plant

ATTACHMENT 6 - DATA TABLES

Page 92 of 165
<table>
<thead>
<tr>
<th>Discharge conveyor weight scale</th>
<th>WASTEXT</th>
<th>CONEXT_VER_GROSS_WGT_FLAG = N</th>
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</thead>
<tbody>
<tr>
<td>Table XIII.7</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Data after NDA data review</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Table XIII.8</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Data after processed waste data review</td>
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<td></td>
</tr>
<tr>
<td>Table XIII.9</td>
<td></td>
<td></td>
</tr>
<tr>
<td>END</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Table X1.1</td>
<td>Table X1.2</td>
<td></td>
</tr>
<tr>
<td>------------</td>
<td>------------</td>
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<td>Table X1.1: Data description for OP-COLD-MT-11</td>
<td>Table X1.2: Data description for OP-COLD-MT-11</td>
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**Partial Table X1.1**

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<td>CONN_GROSS_WET</td>
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</tr>
<tr>
<td>CONN_SIZE_DESCR</td>
<td>85 gallon</td>
</tr>
<tr>
<td>CONN_PMPCD</td>
<td>P</td>
</tr>
<tr>
<td>CONN_PKG_STS</td>
<td>F1</td>
</tr>
<tr>
<td>CONN_LOCN_FACIL_ID</td>
<td>2401W 2336W</td>
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<td>CONN_CNPID</td>
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**Partial Table X1.2**

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<tr>
<td>CONN_GROSS_WET</td>
<td>100</td>
</tr>
<tr>
<td>CONN_SIZE_DESCR</td>
<td>85 gallon</td>
</tr>
<tr>
<td>CONN_PMPCD</td>
<td>P</td>
</tr>
<tr>
<td>CONN_PKG_STS</td>
<td>F1</td>
</tr>
<tr>
<td>CONN_LOCN_FACIL_ID</td>
<td>2401W 2336W</td>
</tr>
<tr>
<td>CONN_CNPID</td>
<td>OP-COLD-MT-11</td>
</tr>
</tbody>
</table>

Data after receipt

**Legend**

- M: Master
- W: Waste
- S: SWIFT
- D: Data
| RADMAT          | RADMAT_ID  = F  
|                | RADMAT_ALARM = F     
|                | RADMAT_LIMIT = 1433  
|                | RADMAT_RAD_TOT = 10  
|                | RADMAT_UNITS = CI    
|                | RADMAT_ID  = T       
|                | RADMAT_ALARM = F     
|                | RADMAT_LIMIT = 177   
|                | RADMAT_RAD_TOT = 10  
|                | RADMAT_UNITS = FGE   
|                | RADMAT_ID  = R       
|                | RADMAT_ALARM = F     
|                | RADMAT_LIMIT = 177   
|                | RADMAT_RAD_TOT = 10  
|                | RADMAT_UNITS = FGE   

| CONLOC          | CONLOC_PKG_ID = OTP-COLD-MT-11  
|                | CONLOC_DT = system date  
|                | CONLOC_LOCN_ID = RECDCK  

END
Table XV - Data description for OTP-COLD-WV-01

<table>
<thead>
<tr>
<th>Column</th>
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<tbody>
<tr>
<td><strong>Initial SWITS Data (SCRIPT)</strong></td>
<td><strong>WASTE</strong></td>
</tr>
<tr>
<td>Table XV.1</td>
<td>CON_PKG_ID = OTP-COLD-WV-01</td>
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<td>CON_CNTYP_CD = DM</td>
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<tr>
<td></td>
<td>CON_LOCN_FACIL_ID = 2401W</td>
</tr>
<tr>
<td></td>
<td>CON_PKG_STATUS = A</td>
</tr>
<tr>
<td></td>
<td>CON_PKTYP_CD = R</td>
</tr>
<tr>
<td></td>
<td>CON_SIZE_DESCR = 55 GALLON</td>
</tr>
<tr>
<td></td>
<td>CON_GROSS_WGT = 100</td>
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<td></td>
<td>CON_TARE_WGT = 21</td>
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<td></td>
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<td></td>
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<tr>
<td></td>
<td>CONEXT_ROUTE_CD = 9</td>
</tr>
</tbody>
</table>

| **Data after receipt** | **WASTE**                                                   |
| **Table XV.2**         | CON_PKG_ID = OTP-COLD-WV-01                                |
|                       | CON_CNTYP_CD = DM                                          |
|                       | CON_LOCN_FACIL_ID = 2401W                                  |
|                       | CON_PKG_STATUS = A                                         |
|                       | CON_PKTYP_CD = R                                           |
|                       | CON_SIZE_DESCR = 55 GALLON                                 |
|                       | CON_GROSS_WGT = 100                                        |
|                       | CON_TARE_WGT = 21                                          |

---

*Theme: ALARA in all we do*
### Table XV.3 (After receiving 4 verification drums)

<table>
<thead>
<tr>
<th>RADDETAIL</th>
<th>RDet PKG ID = OTP-COLD-WV-01</th>
</tr>
</thead>
<tbody>
<tr>
<td>RDet_ASSAY DT = system date</td>
<td>RDet_BG_Dose RATE = 100</td>
</tr>
<tr>
<td>RDet_SWTyp GROUP = LLW</td>
<td></td>
</tr>
<tr>
<td>RDet_TOT BG CI = 10</td>
<td></td>
</tr>
<tr>
<td>RDet_TOT DE CI = 10</td>
<td></td>
</tr>
<tr>
<td>RDet_TOT PU FGE = 0</td>
<td></td>
</tr>
<tr>
<td>RDet_WASTE MAKEUP = X</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>RADMAT</th>
<th>RDet_PKG ID = OTP-COLD-WV-01</th>
</tr>
</thead>
<tbody>
<tr>
<td>RDet_PKG ID = OTP-COLD-WV-01</td>
<td>RDet/bg_dose_rate = 100</td>
</tr>
<tr>
<td>RDet_ASSAY_DT = system date</td>
<td></td>
</tr>
<tr>
<td>RDet_SWTyp_GROUP = LLW</td>
<td></td>
</tr>
<tr>
<td>RDet_TOT_BG_CI = 10</td>
<td></td>
</tr>
<tr>
<td>RDet_TOT_DE_CI = 10</td>
<td></td>
</tr>
<tr>
<td>RDet_TOT_PU_FGE = 0</td>
<td></td>
</tr>
<tr>
<td>RDet_WASTE_MAKEUP = X</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>CONLOC</th>
<th>CONLoc_PKG_ID = OTP-COLD-WV-01</th>
</tr>
</thead>
<tbody>
<tr>
<td>CONLoc_PKT_ID = OTP-COLD-WV-01</td>
<td>CONLoc_DT = system date</td>
</tr>
<tr>
<td>CONLoc_LOCN_ID = RECDCK</td>
<td></td>
</tr>
</tbody>
</table>

---

At discharge conveyor

Table XV.3

<table>
<thead>
<tr>
<th>WASTEXT</th>
<th>CONTENT WRAP STAT CD = Y 1/17/98</th>
</tr>
</thead>
</table>

DISCHARGE

Drum should be appended to end of sequence.
### Table XV.4

**At discharge weight scale**

| CONLOC PKG ID = OTP-COLD-WV-01  
| CONLOC_DT = system date  
| CONLOC_LOCN ID = DISCHVRW |

**WASTEXT**

| CONEX\_VER\_GROSS\_WGT = measured weight  
| CONEX\_VER\_GROSS\_WGT\_FLAG = Y |

**DISCHARGE**

| OTP-COLD-WV-01 deleted from table |

### Table XV.5

**After shipping**

| WASTE  
| CONEX\_WRAP\_STAT\_CD = P |

| CONLOC PKG ID = OTP-COLD-WV-02  
| CONLOC_DT = date shipped  
| CONLOC_LOCN ID = IN TRANSIT |

**VERIFICATION**

| VER PKG ID = OTP-COLD-WV-02  
| VER\_METHOD = WRAP  
| VER\_DT = date verified  
| VER\_FAIL\_REASON = user entry  
| VER\_PASS = user entry |

| VERIFICATION(S)  
| VER PKG ID = OTP-COLD-WV-02  
| VER\_METHOD = WRAP  
| VER\_DT = date verified  
| VER\_FAIL\_REASON = user entry  
| VER\_PASS = user entry |
Table XVI - Data description for OTP-COLD-WV-02

<table>
<thead>
<tr>
<th>Initial SWITS Data (SCRIPT)</th>
<th>WASTE</th>
<th>RADDDETAIL</th>
</tr>
</thead>
<tbody>
<tr>
<td>OTP-COLD-WV-02</td>
<td>85 gal drum for verification via Route 9</td>
<td>CON_PKG_ID = OTP-COLD-WV-02</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CON_CNTYP_CD = DM</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CON_LOCN_FACIL_ID = 2401W</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CON_PKG_STATUS = A</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CON_PWTYP_CD = R</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CON_SIZE_DESCR = 85 GALLON</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CON_GROSS_WGT = 100</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CON_TARE_WGT = 31</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Data after receipt</th>
<th>WASTE</th>
<th>WASTEXT</th>
</tr>
</thead>
<tbody>
<tr>
<td>OTP-COLD-WV-02</td>
<td>85 gal drum for verification via Route 9</td>
<td>CON_PKG_ID = OTP-COLD-WV-02</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CON_CNTYP_CD = DM</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CON_LOCN_FACIL_ID = 2401W 238GW</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CON_PKG_STATUS = A 3PA</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CON_PWTYP_CD = R 2/17/98</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CON_SIZE_DESCR = 85 GALLON</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CON_GROSS_WGT = 100</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CON_TARE_WGT = 31</td>
</tr>
<tr>
<td></td>
<td>CONEXT_PKG_ID = OTP-COLD-WV-02</td>
<td>CONEXT_USE_CD = WV</td>
</tr>
<tr>
<td></td>
<td>CONEXT_WRAP_STAT_CD = W</td>
<td>CONEXT_ROUTE_CD = 9</td>
</tr>
</tbody>
</table>
### RADDETAIL

- **RDET_PKG_ID** = OTP-COLD-WV-02
- **RDET_ASSAY_DT** = system date
- **RDET_SWTYPO_GROUP** = LLW
- **RDET_TOT_BG_CI** = 10
- **RDET_TOT_DE_CI** = 10
- **RDET_TOT_PU_FGE** = 0
- **RDET_WASTE_MAKEUP** = X
- **RDET_TOT_DE_CI** = 10

### RADMAT

(After receiving 4 verification drums)

- **RADMAT_ID** = F
- **RADMAT_ALARM** = F
- **RADMAT_LIMIT** = 1433
- **RADMAT_RAD_TOT** = 50
- **RADMAT_UNITS** = CI

- **RADMAT_ID** = T
- **RADMAT_ALARM** = F
- **RADMAT_LIMIT** = 177
- **RADMAT_RAD_TOT** = 10
- **RADMAT_UNITS** = FGE

- **RADMAT_ID** = R
- **RADMAT_ALARM** = F
- **RADMAT_LIMIT** = 177
- **RADMAT_RAD_TOT** = 10
- **RADMAT_UNITS** = FGE

### CONLOC

- **CONLOC_PKG_ID** = OTP-COLD-WV-02
- **CONLOC_DT** = system date
- **CONLOC_LCN_ID** = RECDCK

---

**At discharge conveyor**

**Table XVI.3**

**WASTEXT**

CONEXT_WRAP_STAT_CD = \( \text{\#N} \) SPA 2/7/98

**DISCHARGE**

Drum should be appended to end of sequence
<table>
<thead>
<tr>
<th>Table</th>
<th>Description</th>
<th>CONLOC</th>
<th>WASTEXT</th>
<th>DISCHARGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>XVI.4</td>
<td>At discharge weight scale</td>
<td>CONLOC_PKG_ID = OTP-COLD-WV-02, CONLOC_DT = system date, CONLOC_LOCN_ID = DISCHCVRW</td>
<td>CONEXT_VER_GROSS_WGT = measured weight, CONEXT_VER_GROSS_WGT_FLAG = Y</td>
<td>OTP-COLD-WV-02 deleted from table</td>
</tr>
<tr>
<td>XVI.5</td>
<td>After shipping</td>
<td>CONLOC_PKG_ID = OTP-COLD-WV-02, CONLOC_DT = date shipped, CONLOC_LOCN_ID = IN TRANSIT</td>
<td>CONEXT WRAP_STAT_CD = P</td>
<td></td>
</tr>
</tbody>
</table>

**Verifications:**
- **Table XVI.4**:
  - VER_PKG_ID = OTP-COLD-WV-02
  - VER_METHOD = WRAP
  - VER_DT = date verified
  - VER_FAIL_REASON = user entry
  - VER_PASS = user entry
- **Table XVI.5**:
  - VER_PKG_ID = OTP-COLD-WV-02
  - VER_METHOD = WRAP
  - VER_DT = date verified
  - VER_FAIL_REASON = user entry
  - VER_PASS = user entry

END
Table XVII - Data description for OTP-COLD-WV-03

<table>
<thead>
<tr>
<th>Initial SWITS Data (SCRIPT)</th>
<th>WASTE</th>
<th>RADDetail</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>CON_PKG ID = OTP-COLD-WV-03</td>
<td>RDET_PKG ID = OTP-COLD-WV-03</td>
</tr>
<tr>
<td></td>
<td>CON_CNTYP_CD = DM</td>
<td>RDET_ASSAY_DT = system date</td>
</tr>
<tr>
<td></td>
<td>CON_LOCN_FACIL_ID = 2401W</td>
<td>RDET_SWTYP_GROUP = TRU</td>
</tr>
<tr>
<td></td>
<td>CON_PKG_STATUS = T</td>
<td>RDET_TOT_BG_CI = 10</td>
</tr>
<tr>
<td></td>
<td>CON_PWTYP_CD = R</td>
<td>RDET_TOT_DE_CI = 10</td>
</tr>
<tr>
<td></td>
<td>CON_SIZE_DESCR = 55 GALLON</td>
<td>RDET_TOT_PFGE = 0</td>
</tr>
<tr>
<td></td>
<td>CON_GROSS_WGT = 100</td>
<td>RDET_WASTE_MAKEUP = X</td>
</tr>
<tr>
<td></td>
<td>CON_TARE_WGT = 21</td>
<td></td>
</tr>
</tbody>
</table>

OTP-COLD-WV-03: 55 gallon drum for verification via Route 1
<table>
<thead>
<tr>
<th>ISOQTY</th>
<th>RAD PKG ID = OTP-COLD-WV-03</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>RAD_ISO_NUM = 3</td>
</tr>
<tr>
<td></td>
<td>RAD_QTY = 1.0 E-6</td>
</tr>
<tr>
<td></td>
<td>RAD PKG ID = OTP-COLD-WV-03</td>
</tr>
<tr>
<td></td>
<td>RAD_ISO_NUM = 8</td>
</tr>
<tr>
<td></td>
<td>RAD_QTY = 2.0 E-6</td>
</tr>
<tr>
<td></td>
<td>RAD PKG ID = OTP-COLD-WV-03</td>
</tr>
<tr>
<td></td>
<td>RAD_ISO_NUM = 26</td>
</tr>
<tr>
<td></td>
<td>RAD_QTY = 3.0 E-6</td>
</tr>
<tr>
<td></td>
<td>RAD PKG ID = OTP-COLD-WV-03</td>
</tr>
<tr>
<td></td>
<td>RAD_ISO_NUM = 13</td>
</tr>
<tr>
<td></td>
<td>RAD_QTY = 4.0 E-6</td>
</tr>
<tr>
<td></td>
<td>RAD PKG ID = OTP-COLD-WV-01</td>
</tr>
<tr>
<td></td>
<td>RAD_ISO_NUM = 100</td>
</tr>
<tr>
<td></td>
<td>RAD_QTY = 5.0</td>
</tr>
</tbody>
</table>

Data after receipt

Table XVII.2

<table>
<thead>
<tr>
<th>WASTE</th>
<th>CON PKG ID = OTP-COLD-WV-03</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>CON_CNTYP CD = DM</td>
</tr>
<tr>
<td></td>
<td>CON_LOCN FACIL ID = 2401W</td>
</tr>
<tr>
<td></td>
<td>CON_PKG STATUS = T</td>
</tr>
<tr>
<td></td>
<td>CON_PWTYP CD = R</td>
</tr>
<tr>
<td></td>
<td>CON_SIZE DESCR = 55 GALLON</td>
</tr>
<tr>
<td></td>
<td>CON_GROSS WGT = 100</td>
</tr>
<tr>
<td></td>
<td>CON_TARE WGT = 21</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>WASTEXT</th>
<th>CONEXT PKG ID = OTP-COLD-WV-03</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>CONEXT_USE CD = WV</td>
</tr>
<tr>
<td></td>
<td>CONEXT_WRAP STAT CD = W</td>
</tr>
<tr>
<td></td>
<td>CONEXT_ROUTE CD = 9</td>
</tr>
</tbody>
</table>
### RADDETIAL

- **RDET PKG ID** = OTP-COLD-WV-03
- **RDET ASSAY DT** = system date
- **RDET SWTYP GROUP** = LLW
- **RDET TOT BG CI** = 10
- **RDET TOT DE CI** = 10
- **RDET TOT PU FGE** = 0
- **RDET WASTE MAKEUP** = X

### ISOQTY

<table>
<thead>
<tr>
<th>RAD PKG ID</th>
<th>RAD ISO NUM</th>
<th>RAD QTY</th>
</tr>
</thead>
<tbody>
<tr>
<td>OTP-COLD-WV-03</td>
<td>3</td>
<td>1.0 E-6</td>
</tr>
<tr>
<td>OTP-COLD-WV-03</td>
<td>8</td>
<td>2.0 E-6</td>
</tr>
<tr>
<td>OTP-COLD-WV-03</td>
<td>26</td>
<td>3.0 E-6</td>
</tr>
<tr>
<td>OTP-COLD-WV-03</td>
<td>13</td>
<td>4.0 E-6</td>
</tr>
<tr>
<td>OTP-COLD-WV-03</td>
<td>100</td>
<td>5.0</td>
</tr>
<tr>
<td>OTP-COLD-WV-03</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Table XVIII - Data description for OTP-COLD-WV-04

<table>
<thead>
<tr>
<th>OTP-COLD-WV-04</th>
<th>85 gal drum for verification via Route 1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Initial SWITS Data (SCRIPT)</td>
<td>Waste</td>
</tr>
<tr>
<td>Table XVIII.1</td>
<td>CON_PKG_ID = OTP-COLD-WV-04</td>
</tr>
<tr>
<td></td>
<td>CON_CNTYPCD = DM</td>
</tr>
<tr>
<td></td>
<td>CON_LOCN_FACIL_ID = 2401W</td>
</tr>
<tr>
<td></td>
<td>CON_PKG_STATUS = T</td>
</tr>
<tr>
<td></td>
<td>CON_PWTPCD = R</td>
</tr>
<tr>
<td></td>
<td>CON_SIZE_DESCR = 85 GALLON</td>
</tr>
<tr>
<td></td>
<td>CON_GROSS_WGT = 100</td>
</tr>
<tr>
<td></td>
<td>CON_TARE_WGT = 31</td>
</tr>
<tr>
<td>RadDetail</td>
<td>RDET_PKG_ID = OTP-COLD-WV-04</td>
</tr>
<tr>
<td></td>
<td>RDET_ASSAY_DT = system date</td>
</tr>
<tr>
<td></td>
<td>RDET_SELTPGROUP = LLW</td>
</tr>
<tr>
<td></td>
<td>RDET_TOT_BG_CI = 10</td>
</tr>
<tr>
<td></td>
<td>RDET_TOT_DE_CI = 1</td>
</tr>
<tr>
<td></td>
<td>RDET_TOT_PU_FGE = 0</td>
</tr>
<tr>
<td></td>
<td>RDET_WASTE_MAKEUP = X</td>
</tr>
</tbody>
</table>
### Table XVIII.2: Waste

<table>
<thead>
<tr>
<th>ISOQTY</th>
<th>WASTE</th>
</tr>
</thead>
<tbody>
<tr>
<td>RAD PKG ID = OTP-COLD-WV-04</td>
<td>CON PKG ID = OTP-COLD-WV-04</td>
</tr>
<tr>
<td>RAD ISO NUM = 3</td>
<td>CON CNTYP CD = DM</td>
</tr>
<tr>
<td>RAD QTY = 1.0 E-6</td>
<td>CON LOCN FACIL ID = 2401W</td>
</tr>
<tr>
<td>RAD ISO NUM = 8</td>
<td>CON PKG STATUS = T</td>
</tr>
<tr>
<td>RAD QTY = 2.0 E-6</td>
<td>CON PWTYP CD = R</td>
</tr>
<tr>
<td>RAD ISO NUM = 26</td>
<td>CON SIZE DESC = 85 GALLON</td>
</tr>
<tr>
<td>RAD QTY = 3.0 E-6</td>
<td>CON GROSS WGT = 100</td>
</tr>
<tr>
<td>RAD ISO NUM = 13</td>
<td>CON TARE WGT = 31</td>
</tr>
<tr>
<td>RAD QTY = 4.0 E-6</td>
<td>WASTEXT</td>
</tr>
<tr>
<td>RAD ISO NUM = 100</td>
<td>CONEXT PKG ID = OTP-COLD-WV-04</td>
</tr>
<tr>
<td>RAD QTY = 5.0</td>
<td>CONEXT USE CD = WV</td>
</tr>
<tr>
<td></td>
<td>CONEXT WRAP STAT CD = W</td>
</tr>
<tr>
<td></td>
<td>CONEXT ROUTE CD = 9</td>
</tr>
</tbody>
</table>
| RADDATAIL | RDET_PKG_ID = OTP-COLD-WV-04  
| RDET_ASSAY_DT = system date  
| RDET_SWTP_GRP = LLW  
| RDET_TOT_BG_CI = 10  
| RDET_TOT_DE_CI = 1  
| RDET_TOT_PU_FGE = 0  
| RDET_WASTE_MAKEUP = X  
| ISOQTY | RAD_PKG_ID = OTP-COLD-WV-04  
| RAD_ISO_NUM = 3  
| RAD_QTY = 1.0 E-6  
| RAD_PKG_ID = OTP-COLD-WV-04  
| RAD_ISO_NUM = 8  
| RAD_QTY = 2.0 E-6  
| RAD_PKG_ID = OTP-COLD-WV-04  
| RAD_ISO_NUM = 26  
| RAD_QTY = 3.0 E-6  
| RAD_PKG_ID = OTP-COLD-WV-04  
| RAD_ISO_NUM = 13  
| RAD_QTY = 4.0 E-6  
| RAD_PKG_ID = OTP-COLD-WV-04  
| RAD_ISO_NUM = 100  
| RAD_QTY = 5.0  
|
| RADMAT  | RADMAT ID = F  
|         | RADMAT_ALARM = F  
|         | RADMAT_LIMIT = 1433  
|         | RADMAT_RAD_TOT = 50  
|         | RADMAT_UNITS = Ci  
|         | RADMAT ID = T  
|         | RADMAT_ALARM = F  
|         | RADMAT_LIMIT = 177  
|         | RADMAT_RAD_TOT = 10  
|         | RADMAT_UNITS = FGE  
|         | RADMAT ID = R  
|         | RADMAT_ALARM = F  
|         | RADMAT_LIMIT = 177  
|         | RADMAT_RAD_TOT = 10  
|         | RADMAT_UNITS = FGE  

| CONLOC  | CONLOC_PKG_ID = OTP-COLD-WV-04  
|         | CONLOC_DT = system date  
|         | CONLOC_LOCN_ID = RECDCK  

**At discharge conveyor**

| Table XVIII.3 | CONEXT WRAP STAT CD = P  
|               | As entered by radiographer  
|               | As returned by SIE  
|               | As returned by SIE  
| CONLOC  | CONLOC_PKG_ID = OTP-COLD-WV-04  
|         | CONLOC_DT = system date  
|         | CONLOC_LOCN_ID = DISCHCVR  

---

**Legend:**

- **Rad** Mat: Radioactive Material
- **Con** Log: Container Log
- **Waste** Text: Waste Text
- **ND** E: Non-Destructive Examination
- **NDA** ISO: Non-Destructive Analysis
- **Con** Loc: Container Location
| At discharge weight scale | CONLOC | CONLOC PKG ID = OTP-COLD-WV-04  
|                         |        | CONLOC DT = system date           
| Table XVIII.4            |        | CONLOC LOCN ID = DISCHCVRW       |
| After shipping           | CONLOC | CONLOC PKG ID = OTP-COLD-WV-04  
| Table XVIII.5            |        | CONLOC DT = date shipped          
|                         |        | CONLOC LOCN ID = IN TRANSIT       |
|                         | SWITS  | no change                         |
| END                      |        |-----------------------------------|
**Table XIX - Data description for OTP-CRL-PI-001**

<table>
<thead>
<tr>
<th>OTP-CRL-PI-001</th>
<th>55 gal drum for processing</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Initial SWITS Data (SCRIPT)</strong></td>
<td><strong>WASTE</strong></td>
</tr>
<tr>
<td>CON PKG ID = OTP-CRL-PI-001</td>
<td></td>
</tr>
<tr>
<td>CON CNTYP CD = DM</td>
<td></td>
</tr>
<tr>
<td>CON LOCN FACIL ID = 2401W</td>
<td></td>
</tr>
<tr>
<td>CON PKG STATUS = A</td>
<td></td>
</tr>
<tr>
<td>CON PWTYP CD = R</td>
<td></td>
</tr>
<tr>
<td>CON SIZE DESCR = 55 GALLON</td>
<td></td>
</tr>
<tr>
<td>CON GROSS WGT = 100</td>
<td></td>
</tr>
<tr>
<td>CON TARE WGT = null</td>
<td></td>
</tr>
<tr>
<td><strong>RADDDETAIL</strong></td>
<td></td>
</tr>
<tr>
<td>RDET PKG ID = OTP-CRL-PI-001</td>
<td></td>
</tr>
<tr>
<td>RDET ASSAY DT = system date</td>
<td></td>
</tr>
<tr>
<td>RDET SWTYP GROUP = LLW</td>
<td></td>
</tr>
<tr>
<td>RDET TOT BG CI = 10</td>
<td></td>
</tr>
<tr>
<td>RDET TOT DE CI = 1</td>
<td></td>
</tr>
<tr>
<td>RDET TOT PU FGE = 0</td>
<td></td>
</tr>
<tr>
<td>RDET WASTE MAKEUP = X</td>
<td></td>
</tr>
</tbody>
</table>
### Table XIX.2

<table>
<thead>
<tr>
<th>ISOQTY</th>
<th>WASTEXT</th>
</tr>
</thead>
<tbody>
<tr>
<td>RAD PKG ID = OTP-CRL-PI-001</td>
<td>CON PKG ID = OTP-CRL-PI-001</td>
</tr>
<tr>
<td>RAD_ISO_NUM = 3</td>
<td>CON_CNTYP_CD = DM</td>
</tr>
<tr>
<td>RAD_QTY = 1.0 E-6</td>
<td>CON_LOCN_FACIL_ID = 2401W</td>
</tr>
<tr>
<td>RAD PKG ID = OTP-CRL-PI-001</td>
<td>CON_PKG_STATUS = A</td>
</tr>
<tr>
<td>RAD_ISO_NUM = 8</td>
<td>CON_PWTP_CD = R</td>
</tr>
<tr>
<td>RAD_QTY = 2.0 E-6</td>
<td>CON_SIZE_DESCR = 55 GALLON</td>
</tr>
<tr>
<td>RAD PKG ID = OTP-CRL-PI-001</td>
<td>CON_GROSS_WGT = 100</td>
</tr>
<tr>
<td>RAD_ISO_NUM = 26</td>
<td>CON_TARE_WGT = 27 (TARE_WGT_55G from WRAPMISC)</td>
</tr>
<tr>
<td>RAD_QTY = 3.0 E-6</td>
<td></td>
</tr>
<tr>
<td>RAD PKG ID = OTP-CRL-PI-001</td>
<td>WASTEXT</td>
</tr>
<tr>
<td>RAD_ISO_NUM = 13</td>
<td>CONEXT PKG ID = OTP-CRL-PI-001</td>
</tr>
<tr>
<td>RAD_QTY = 4.0 E-6</td>
<td>CONEXT_USE_CD = WV</td>
</tr>
<tr>
<td>RAD PKG ID = OTP-CRL-PI-001</td>
<td>CONEXT_WRAP_STAT_CD = W</td>
</tr>
<tr>
<td>RAD_ISO_NUM = 100</td>
<td>CONEXT_ROUTE_CD = 9</td>
</tr>
<tr>
<td>RAD_QTY = 5.0</td>
<td></td>
</tr>
</tbody>
</table>
| RADDETAIL | RDET_PKG_ID = OTP-CRL-PI-001  
|          | RDET_ASSAY_DT = system date  
|          | RDET_SWTYP_GROUP = LLW  
|          | RDET_TOT_BG_CI = 10  
|          | RDET_TOT_DF_CI = 1  
|          | RDET_TOT_PU_FGE = 0  
|          | RDET_WASTE_MAKEUP = X  
| ISOQTY | RAD_PKG_ID = OTP-CRL-PI-001  
|        | RAD_ISO_NUM = 3  
|        | RAD_QTY = 1.0 E-6  
|        | RAD_PKG_ID = OTP-CRL-PI-001  
|        | RAD_ISO_NUM = 8  
|        | RAD_QTY = 2.0 E-6  
|        | RAD_PKG_ID = OTP-CRL-PI-001  
|        | RAD_ISO_NUM = 26  
|        | RAD_QTY = 3.0 E-6  
|        | RAD_PKG_ID = OTP-CRL-PI-001  
|        | RAD_ISO_NUM = 13  
|        | RAD_QTY = 4.0 E-6  
|        | RAD_PKG_ID = OTP-CRL-PI-001  
|        | RAD_ISO_NUM = 100  
|        | RAD_QTY = 5.0  
| At discharge conveyor |  
| At discharge weight scale |  
| END |  

---

THINK ALARA IN ALL WE DO
Table XX - Data description for OTP-CRL-PO-001

| Initial SWITS Data (SCRIPT) | WASTE | CON PKG ID = OTP-CRL-PO-001 |
|                            |       | CON CNTYP CD = DM |
|                            |       | CON LOCN FACIL ID = 2401W |
|                            |       | CON PKG STATUS = M |
|                            |       | CON PWTYP CD = R |
|                            |       | CON SIZE DESCR = 85 GALLON |
|                            |       | CON GROSS WGT = 100 |
|                            |       | CON TARE WGT = 31 |

| Data after receipt | CONREL | CONR FROM PKG ID = OTP-CRL-PI-001 |
|                   |       | CONR TO PKG ID = OTP-CRL-PO-001 |
|                   |       | CONR DT = system date |
|                   |       | CONR REL CD = M |

| Table XX.2         | WASTE | CON PKG ID = OTP-CRL-PO-001 |
|                   |       | CON CNTYP CD = DM |
|                   |       | CON LOCN FACIL ID = 2401W |
|                   |       | CON PKG STATUS = M |
|                   |       | CON PWTYP CD = R |
|                   |       | CON SIZE DESCR = 85 GALLON |
|                   |       | CON GROSS WGT = 100 |
|                   |       | CON TARE WGT = 31 |

<p>| WASTEXT            | CONEXT PKG ID = OTP-CRL-PO-001 |
|                   | CONEXT USE CD = WV |
|                   | CONEXT WRAP STAT CD = W |
|                   | CONEXT ROUTE CD = 9 |</p>
<table>
<thead>
<tr>
<th><strong>RADMAT</strong></th>
<th>(After receiving 4 LLW drums with total DE Ci of 4)</th>
<th><strong>RADMAT</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>ID</strong></td>
<td>F</td>
<td><strong>ID</strong></td>
</tr>
<tr>
<td><strong>ALARM</strong></td>
<td>F</td>
<td><strong>ALARM</strong></td>
</tr>
<tr>
<td><strong>LIMIT</strong></td>
<td>1433</td>
<td><strong>LIMIT</strong></td>
</tr>
<tr>
<td><strong>RAD TOT</strong></td>
<td>14</td>
<td><strong>RAD TOT</strong></td>
</tr>
<tr>
<td><strong>UNITS</strong></td>
<td>Ci</td>
<td><strong>UNITS</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>CONLOC</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>PKG ID</strong></td>
</tr>
<tr>
<td><strong>DT</strong></td>
</tr>
<tr>
<td><strong>LOCN ID</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>CONREL</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>PKG ID</strong></td>
</tr>
<tr>
<td><strong>DT</strong></td>
</tr>
<tr>
<td><strong>REL CD</strong></td>
</tr>
</tbody>
</table>

At discharge conveyor

At discharge weight scale

END
### Table XXI - Data description for OTP-CRL-PI-002

<table>
<thead>
<tr>
<th>Initial SWITS Data (SCRIPT)</th>
<th>WASTE</th>
<th>RADDDETAIL</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>OTP-CRL-PI-002</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>55 gal drum for processing</strong></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

| CON_PKG_ID = OTP-CRL-PI-002 |
| CON_CNTYP_CD = DM |
| CON_LOCN_FACIL_ID = 2401W |
| CON_PKG_STATUS = A |
| CON_PWTYP_CD = R |
| CON_SIZE_DESCR = 55 GALLON |
| CON_GROSS_WGT = 100 |
| CON_TARE_WGT = 21 |

**RDET_PKG_ID = OTP-CRL-PI-002**
**RDET_ASSAY_DT = system date**
**RDET_SWTYP_GROUP = LLW**
**RDET_TOT_BG_CI = 10**
**RDET_TOT_DE_CI = 1**
**RDET_TOT_PU_FGE = 0**
**RDET_WASTE_MAKEUP = X**
<table>
<thead>
<tr>
<th>ISOQTY</th>
<th>RAD_PKG_ID = OTP-CRL-PI-002</th>
<th>RAD_ISO_NUM = 3</th>
<th>RAD_QTY = 1.0 E-6</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>RAD_PKG_ID = OTP-CRL-PI-002</td>
<td>RAD_ISO_NUM = 8</td>
<td>RAD_QTY = 2.0 E-6</td>
</tr>
<tr>
<td></td>
<td>RAD_PKG_ID = OTP-CRL-PI-002</td>
<td>RAD_ISO_NUM = 26</td>
<td>RAD_QTY = 3.0 E-6</td>
</tr>
<tr>
<td></td>
<td>RAD_PKG_ID = OTP-CRL-PI-002</td>
<td>RAD_ISO_NUM = 13</td>
<td>RAD_QTY = 4.0 E-6</td>
</tr>
<tr>
<td></td>
<td>RAD_PKG_ID = OTP-CRL-PI-002</td>
<td>RAD_ISO_NUM = 100</td>
<td>RAD_QTY = 5.0</td>
</tr>
</tbody>
</table>

**WASTE**

- CON_PKG_ID = OTP-CRL-PI-002
- CON_CNTYP_CD = DM
- CON_LCN FACIL_ID = 2401W
- CON_PKG_STATUS = A
- CON_PWTYP_CD = R
- CON_SIZE_DESCR = 55 GALLON
- CON_GROSS_WGT = 100
- CON_TARE_WGT = 21

**WASTEXT**

- CONEXT_PKG_ID = OTP-CRL-PI-002
- CONEXT_USE_CD = WV
- CONEXT_WRAP_STAT_CD = W
- CONEXT_ROUTE_CD = 9
| RADDETAIL | RDET_PKG_ID = OTP-CRL-PI-002  
|          | RDET_ASSAY_DT = system date  
|          | RDET_SWTYP_GROUP = LLW  
|          | RDET_TOT_BG_CI = 10  
|          | RDET_TOT_DE_CI = 1  
|          | RDET_TOT_PU_FGE = 0  
|          | RDET_WASTE_MAKEUP = X  
| ISOQTY   | RAD_PKG_ID = OTP-CRL-PI-002  
|          | RAD_ISO_NUM = 3  
|          | RAD_QTY = 1.0 E-6  
|          |  
|          | RAD_PKG_ID = OTP-CRL-PI-002  
|          | RAD_ISO_NUM = 8  
|          | RAD_QTY = 2.0 E-6  
|          |  
|          | RAD_PKG_ID = OTP-CRL-PI-002  
|          | RAD_ISO_NUM = 26  
|          | RAD_QTY = 3.0 E-6  
|          |  
|          | RAD_PKG_ID = OTP-CRL-PI-002  
|          | RAD_ISO_NUM = 13  
|          | RAD_QTY = 4.0 E-6  
|          |  
|          | RAD_PKG_ID = OTP-CRL-PI-002  
|          | RAD_ISO_NUM = 100  
|          | RAD_QTY = 5.0  

At discharge conveyor

At discharge weight scale

END
Table XXII - Data description for OTP-CRL-PO-002

<table>
<thead>
<tr>
<th>Initial SWITS Data (SCRIPT)</th>
<th>WASTE</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Table XXII.1</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td>CON_PKG_ID = OTP-CRL-PO-002</td>
</tr>
<tr>
<td></td>
<td>CON_CNTYP_CD = DM</td>
</tr>
<tr>
<td></td>
<td>CON_LOCN_FACIL_ID = 2401W</td>
</tr>
<tr>
<td></td>
<td>CON_PKG_STATUS = M</td>
</tr>
<tr>
<td></td>
<td>CON_PWTYP_CD = R</td>
</tr>
<tr>
<td></td>
<td>CON_SIZE_DESCR = 85 GALLON</td>
</tr>
<tr>
<td></td>
<td>CON_GROSS_WGT = 100</td>
</tr>
<tr>
<td></td>
<td>CON_TARE_WGT = 31</td>
</tr>
</tbody>
</table>

| CONREL                               |                        |
|                                      | CONR_FROM_PKG_ID = OTP-CRL-PI-002 |
|                                      | CONR_TO_PKG_ID = OTP-CRL-PO-002  |
|                                      | CONR_DT = system date        |
|                                      | CONR_REL_CD = M              |

<table>
<thead>
<tr>
<th>Data after receipt</th>
<th>WASTE</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Table XXII.2</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td>CON_PKG_ID = OTP-CRL-PO-002</td>
</tr>
<tr>
<td></td>
<td>CON_CNTYP_CD = DM</td>
</tr>
<tr>
<td></td>
<td>CON_LOCN_FACIL_ID = 2401W</td>
</tr>
<tr>
<td></td>
<td>CON_PKG_STATUS = M</td>
</tr>
<tr>
<td></td>
<td>CON_PWTYP_CD = R</td>
</tr>
<tr>
<td></td>
<td>CON_SIZE_DESCR = 85 GALLON</td>
</tr>
<tr>
<td></td>
<td>CON_GROSS_WGT = 100</td>
</tr>
<tr>
<td></td>
<td>CON_TARE_WGT = 31</td>
</tr>
</tbody>
</table>

| WASTEXT                              |                        |
|                                      | CONEXT_PKG_ID = OTP-CRL-PO-002 |
|                                      | CONEXT_USE_CD = WV        |
|                                      | CONEXT_WRAP_STAT_CD = W   |
|                                      | CONEXT_ROUTE_CD = 9       |
Simulate GB processing (SCRIPT)

| RADMAT | RADMAT ID = F  |
|        | RADMAT_ALARM = F |
|        | RADMAT_LIMIT = 1433 |
|        | RADMAT_RAD_TOT = 14 2013 |
|        | RADMAT_UNITS = CI |
|        | RADMAT ID = T  |
|        | RADMAT_ALARM = F |
|        | RADMAT_LIMIT = 177 |
|        | RADMAT_RAD_TOT = 10 |
|        | RADMAT_UNITS = FGE |
|        | RADMAT ID = R  |
|        | RADMAT_ALARM = F |
|        | RADMAT_LIMIT = 177 |
|        | RADMAT_RAD_TOT = 10 |
|        | RADMAT_UNITS = FGE |

| CONLOC | CONLOC_PKG_ID = OTP-CRL-PO-002 |
|        | CONLOC_DT = system date |
|        | CONLOC_LOCN_ID = RECDCK |

| CONREL | CONR_FROM_PKG_ID = OTP-CRL-PI-002 |
|        | CONR_TO_PKG_ID = OTP-CRL-PO-002 |
|        | CONR_DT = system date |
|        | CONR_REL_CD = M |

| HAZDETAIL | HDET_PKG_ID = OTP-CRL-PO-002 |
| At discharge conveyor | HAZ PKG ID = OTP-CRL-PO-002  
|                       | HAZ COMP ID = 67-64-1  
|                       | HAZ COMP TEXT = ACETONE  
|                       | HAZ_COMP_WGT = 2  
|                       | HAZ PKG ID = OTP-LLWR-PD-01  
|                       | HAZ COMP ID = 64742-63-8  
|                       | HAZ COMP TEXT = Refined Petroleum Oil  
|                       | HAZ_COMP_WGT = 2  
| At discharge weight scale | ....................................  
| END | ....................................  

---
Table XXIII - Data description for OTP-CRL-PI-003

<table>
<thead>
<tr>
<th>Description</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Initial SWITS Data (SCRIPT)</strong></td>
<td>WASTE</td>
</tr>
<tr>
<td>Table XXIII.1</td>
<td>CON_PKG_ID = OTP-CRL-PI-003</td>
</tr>
<tr>
<td></td>
<td>CON_CNTYP_CD = DM</td>
</tr>
<tr>
<td></td>
<td>CON_LOCN_FACIL_ID = 2401W</td>
</tr>
<tr>
<td></td>
<td>CON_PKG_STATUS = A</td>
</tr>
<tr>
<td></td>
<td>CON_PWTYP_CD = R</td>
</tr>
<tr>
<td></td>
<td>CON_SIZE_DESCR = 55 GALLON</td>
</tr>
<tr>
<td></td>
<td>CON_GROSS_WGT = 100</td>
</tr>
<tr>
<td></td>
<td>CON_TARE_WGT = 21</td>
</tr>
<tr>
<td><strong>RADDDETAIL</strong></td>
<td>RDET_PKG_ID = OTP-CRL-PI-003</td>
</tr>
<tr>
<td></td>
<td>RDET_ASSAY_DT = system date</td>
</tr>
<tr>
<td></td>
<td>RDET_SWTPY_GROUP = LLW</td>
</tr>
<tr>
<td></td>
<td>RDET_TOT_BG_CI = 10</td>
</tr>
<tr>
<td></td>
<td>RDET_TOT_DE_CI = 1</td>
</tr>
<tr>
<td></td>
<td>RDET_TOT_PU_FGE = 0</td>
</tr>
<tr>
<td></td>
<td>RDET_WASTE_MAKEUP = X</td>
</tr>
</tbody>
</table>
## Table XXIII.2

<table>
<thead>
<tr>
<th>ISOQTY</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>RAD_PKG_ID</td>
<td>OTP-CRL-PI-003</td>
</tr>
<tr>
<td>RAD_ISO_NUM</td>
<td>3</td>
</tr>
<tr>
<td>RAD_QTY</td>
<td>1.0 E-6</td>
</tr>
<tr>
<td>RAD_PKG_ID</td>
<td>OTP-CRL-PI-003</td>
</tr>
<tr>
<td>RAD_ISO_NUM</td>
<td>8</td>
</tr>
<tr>
<td>RAD_QTY</td>
<td>2.0 E-6</td>
</tr>
<tr>
<td>RAD_PKG_ID</td>
<td>OTP-CRL-PI-003</td>
</tr>
<tr>
<td>RAD_ISO_NUM</td>
<td>26</td>
</tr>
<tr>
<td>RAD_QTY</td>
<td>3.0 E-6</td>
</tr>
<tr>
<td>RAD_PKG_ID</td>
<td>OTP-CRL-PI-003</td>
</tr>
<tr>
<td>RAD_ISO_NUM</td>
<td>13</td>
</tr>
<tr>
<td>RAD_QTY</td>
<td>4.0 E-6</td>
</tr>
<tr>
<td>RAD_PKG_ID</td>
<td>OTP-CRL-PI-003</td>
</tr>
<tr>
<td>RAD_ISO_NUM</td>
<td>100</td>
</tr>
<tr>
<td>RAD_QTY</td>
<td>5.0</td>
</tr>
</tbody>
</table>

### Data after receipt

#### WASTE

<table>
<thead>
<tr>
<th>CON_PKG_ID</th>
<th>OTP-CRL-PI-003</th>
</tr>
</thead>
<tbody>
<tr>
<td>CON_CNTYP_CD</td>
<td>DM</td>
</tr>
<tr>
<td>CON_LOCN_FACIL_ID</td>
<td>2401W</td>
</tr>
<tr>
<td>CON_PKG_STATUS</td>
<td>A</td>
</tr>
<tr>
<td>CON_PWTYP_CD</td>
<td>R</td>
</tr>
<tr>
<td>CON_SIZE_DESCR</td>
<td>55 GALLON</td>
</tr>
<tr>
<td>CON_GROSS_WGT</td>
<td>100</td>
</tr>
<tr>
<td>CON_TARE_WGT</td>
<td>21</td>
</tr>
</tbody>
</table>

#### WASTEXT

<table>
<thead>
<tr>
<th>CONEXT_PKG_ID</th>
<th>OTP-CRL-PI-003</th>
</tr>
</thead>
<tbody>
<tr>
<td>CONEXT_USE_CD</td>
<td>WV</td>
</tr>
<tr>
<td>CONEXT_WRAP_STAT_CD</td>
<td>W</td>
</tr>
<tr>
<td>CONEXT_ROUTE_CD</td>
<td>9</td>
</tr>
<tr>
<td>RADDETAIL</td>
<td></td>
</tr>
<tr>
<td>-----------</td>
<td>---------------------------------</td>
</tr>
<tr>
<td>RDET_PKG_ID = OTP-CRL-PI-003</td>
<td></td>
</tr>
<tr>
<td>RDET_ASSAY_DT = system date</td>
<td></td>
</tr>
<tr>
<td>RDET_SWTYP_GROUP = LLW</td>
<td></td>
</tr>
<tr>
<td>RDET_TOT_BG_CI = 10</td>
<td></td>
</tr>
<tr>
<td>RDET_TOT_DE_CI = 1</td>
<td></td>
</tr>
<tr>
<td>RDET_TOT_PU_FGE = 0</td>
<td></td>
</tr>
<tr>
<td>RDET_WASTE_MAKEUP = X</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>ISOQTY</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>RAD_PKG_ID = OTP-CRL-PI-003</td>
<td></td>
</tr>
<tr>
<td>RAD_ISO_NUM = 3</td>
<td></td>
</tr>
<tr>
<td>RAD_QTY = 1.0 E-6</td>
<td></td>
</tr>
<tr>
<td>RAD_PKG_ID = OTP-CRL-PI-003</td>
<td></td>
</tr>
<tr>
<td>RAD_ISO_NUM = 8</td>
<td></td>
</tr>
<tr>
<td>RAD_QTY = 2.0 E-6</td>
<td></td>
</tr>
<tr>
<td>RAD_PKG_ID = OTP-CRL-PI-003</td>
<td></td>
</tr>
<tr>
<td>RAD_ISO_NUM = 26</td>
<td></td>
</tr>
<tr>
<td>RAD_QTY = 3.0 E-6</td>
<td></td>
</tr>
<tr>
<td>RAD_PKG_ID = OTP-CRL-PI-003</td>
<td></td>
</tr>
<tr>
<td>RAD_ISO_NUM = 13</td>
<td></td>
</tr>
<tr>
<td>RAD_QTY = 4.0 E-6</td>
<td></td>
</tr>
<tr>
<td>RAD_PKG_ID = OTP-CRL-PI-003</td>
<td></td>
</tr>
<tr>
<td>RAD_ISO_NUM = 100</td>
<td></td>
</tr>
<tr>
<td>RAD_QTY = 5.0</td>
<td></td>
</tr>
</tbody>
</table>

At discharge conveyor

At discharge weight scale

END
Table XXIV - Data description for OTP-CRL-PO-003

<table>
<thead>
<tr>
<th>Initial SWITS Data (SCRIPT)</th>
<th>WASTE</th>
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### RADMAT

(After receiving 4 LLW drums with total DE Ci of 4)

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<td>R</td>
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**At discharge conveyor**

Table XXIV.3

**At discharge weight scale**

Table XXIV.4
Table XXV - Data description for OTP-CRL-PI-004

<table>
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<tr>
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<th>RADDETAL</th>
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<td>CON_PKG_ID = OTP-CRL-PI-004</td>
<td>RDET_PKG_ID = OTP-CRL-PI-004</td>
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**WASTE**
- CON_PKG_ID = OTP-CRL-PI-004
- CON_CNTYP_CD = DM
- CON_LOCN_FACIL_ID = 2401W
- CON_PKG_STATUS = A
- CON_PWTYP_CD = R
- CON_SIZE_DESCR = 55 GALLON
- CON_GROSS_WGT = 100
- CON_TARE_WGT = 21

**RADDETAL**
- RDET_PKG_ID = OTP-CRL-PI-004
- RDET_ASSAY_DT = system date
- RDET_SWTYP_GROUP = LLW
- RDET_TOT_BG_CI = 210
- RDET_TOT_DE_CI = 2000
- RDET_TOT_PU_FGE = 210
- RDET_WASTE_MAKEUP = X
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<td>CONEXT_PKG_ID = OTP-CRL-PI-004</td>
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<td>CONEXT_USE CD = W</td>
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<td>CONEXT_WRAP STAT CD = W</td>
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<td>CONEXT_ROUTE CD = 9</td>
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**At discharge conveyor**

Table XXV.3

**At discharge weight scale**

Table XXV.4
Table XXVI - Data description for OTP-CRL-PO-004

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<td>CON_PKG_STATUS = M</td>
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### RADMAT

(After receiving 4 LLW drums with total DE Ci of 4)

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**At discharge conveyor**

Table XXVI.3

**At discharge weight scale**

Table XXVI.4
Table XXVII - Data description for OTP-CRT-PI-001

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<td>At discharge conveyor</td>
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<td>At discharge weight scale</td>
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<tr>
<td>CONREL CONPKG ID TOPKG ID = OTP-CRT-PO-001</td>
<td></td>
</tr>
<tr>
<td>CONREL CONDT = system date</td>
<td></td>
</tr>
<tr>
<td>CONREL CONREL CD = M</td>
<td></td>
</tr>
<tr>
<td><strong>Data after receipt</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Table XXVIII.2</strong></td>
<td></td>
</tr>
<tr>
<td><strong>WASTE</strong></td>
<td></td>
</tr>
<tr>
<td>WASTE CON PKG ID = OTP-CRT-PO-001</td>
<td></td>
</tr>
<tr>
<td>WASTE CON CNTYP CD = DM</td>
<td></td>
</tr>
<tr>
<td>WASTE CON LOCN FACIL ID = 2401W</td>
<td></td>
</tr>
<tr>
<td>WASTE CON PKG STATUS = M</td>
<td></td>
</tr>
<tr>
<td>WASTE CON PWTYP CD = R</td>
<td></td>
</tr>
<tr>
<td>WASTE CON SIZE DESC = 85 GALLON</td>
<td></td>
</tr>
<tr>
<td>WASTE CON TARE WGT = 31</td>
<td></td>
</tr>
<tr>
<td><strong>WASTETEXT</strong></td>
<td></td>
</tr>
<tr>
<td>WASTETEXT CONEXT PKG ID = OTP-CRT-PO-001</td>
<td></td>
</tr>
<tr>
<td>WASTETEXT CONEXT USE CD = WV</td>
<td></td>
</tr>
<tr>
<td>WASTETEXT CONEXT WRAP STAT CD = W</td>
<td></td>
</tr>
<tr>
<td>WASTETEXT CONEXT ROUTE CD = 9</td>
<td></td>
</tr>
</tbody>
</table>
| RADMAT | RADMAT ID = F
|        | RADMAT_ALARM = F
|        | RADMAT_LIMIT = 1433
|        | RADMAT_RADTOT = 214 ≥ 10
|        | RADMAT_UNITS = Ci
|        | RADMAT_ALARM = 2177
|        | RADMAT_RADTOT = 10
|        | RADMAT_UNITS = FGE
|        | RADMAT_ID = T
|        | RADMAT_ALARM = F
|        | RADMAT_LIMIT = 177
|        | RADMAT_RADTOT = 10
|        | RADMAT_UNITS = FGE
|        | RADMAT_ID = R
|        | RADMAT_ALARM = F
|        | RADMAT_LIMIT = 177
|        | RADMAT_RADTOT = 10
|        | RADMAT_UNITS = FGE

| CONLOC | CONLOC_PKG_ID = OTP-CRT-PO-001
|        | CONLOC_DT = -system date
|        | CONLOC_LOCN_ID = RECDCK

| CONREL | CONR_PKG_ID = OTP-CRT-PI-001
|        | CONR_PKG_TO = OTP-CRT-PO-001
|        | CONR_DT = -system date
|        | CONR_REL_CD = M

At discharge conveyor
Table XXVIII.3

At discharge weight scale
Table XXVIII.4
### Table XXIX - Data description for OTP-CRT-PI-002

<table>
<thead>
<tr>
<th>OTP-CRT-PI-002</th>
<th>55 gal drum for processing</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Initial SWITS Data (SCRIPT)</strong></td>
<td><strong>WASTE</strong></td>
</tr>
<tr>
<td></td>
<td>CON_PKG_ID = OTP-CRT-PI-002</td>
</tr>
<tr>
<td></td>
<td>CON_CNTYP_CD = DM</td>
</tr>
<tr>
<td></td>
<td>CON_LOCN_FACIL_ID = 2401W</td>
</tr>
<tr>
<td></td>
<td>CON_PKG_STATUS = A</td>
</tr>
<tr>
<td></td>
<td>CON_PWTYP_CD = R</td>
</tr>
<tr>
<td></td>
<td>CON_SIZE_DESCR = 55 GALLON</td>
</tr>
<tr>
<td></td>
<td>CON_GROSS_WGT = 100</td>
</tr>
<tr>
<td></td>
<td>CON_TARE_WGT = 21</td>
</tr>
<tr>
<td>ISOQTY</td>
<td>WASTE</td>
</tr>
<tr>
<td>--------</td>
<td>-------</td>
</tr>
</tbody>
</table>
| RAD PKG ID = OTP-CRT-PI-002  
RAD_ISO_NUM = 3  
RAD_QTY = 1.0 E-6 |
| RAD PKG ID = OTP-CRT-PI-002  
RAD_ISO_NUM = 8  
RAD_QTY = 2.0 E-6 |
| RAD PKG ID = OTP-CRT-PI-002  
RAD_ISO_NUM = 26  
RAD_QTY = 3.0 E-6 |
| RAD PKG ID = OTP-CRT-PI-002  
RAD_ISO_NUM = 13  
RAD_QTY = 4.0 E-6 |
| RAD PKG ID = OTP-CRT-PI-002  
RAD_ISO_NUM = 100  
RAD_QTY = 5.0 |

Data after receipt
Table XXIX.2

<table>
<thead>
<tr>
<th>WASTEXT</th>
</tr>
</thead>
</table>
| CON PKG ID = OTP-CRT-PI-002  
CON_CNTYP CD = DM  
CON_LOCN FACIL ID = 2401W  
CON_PKG STATUS = A  
CON_PWTP CD = R  
CON_SIZE DESCR = 55 GALLON  
CON_GROSS WGT = 100  
CON_TARE WGT = 21 |
| CONEXT PKG ID = OTP-CRT-PI-002  
CONEXT_USE_CD = WV  
CONEXT_WRAP_STAT_CD = W  
CONEXT_ROUTE CD = 9 |
<table>
<thead>
<tr>
<th>RADDetail</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>RDET_PKG_ID = OTP-CRT-PI-002</td>
<td></td>
</tr>
<tr>
<td>RDET_ASSAY_DT = system date</td>
<td></td>
</tr>
<tr>
<td>RDET_SWTYP_GROUP = TRU</td>
<td></td>
</tr>
<tr>
<td>RDET_TOT_BG_CI = 10</td>
<td></td>
</tr>
<tr>
<td>RDET_TOT_DE_CI = 50</td>
<td></td>
</tr>
<tr>
<td>RDET_TOT_PU_FGE = 5</td>
<td></td>
</tr>
<tr>
<td>RDET_WASTE_MAKEUP = X</td>
<td></td>
</tr>
<tr>
<td>ISOQTY</td>
<td></td>
</tr>
<tr>
<td>RAD_PKG_ID = OTP-CRT-PI-002</td>
<td></td>
</tr>
<tr>
<td>RAD_ISO_NUM = 3</td>
<td></td>
</tr>
<tr>
<td>RAD_QTY = 1.0E-6</td>
<td></td>
</tr>
<tr>
<td>RAD_PKG_ID = OTP-CRT-PI-002</td>
<td></td>
</tr>
<tr>
<td>RAD_ISO_NUM = 8</td>
<td></td>
</tr>
<tr>
<td>RAD_QTY = 2.0E-6</td>
<td></td>
</tr>
<tr>
<td>RAD_PKG_ID = OTP-CRT-PI-002</td>
<td></td>
</tr>
<tr>
<td>RAD_ISO_NUM = 26</td>
<td></td>
</tr>
<tr>
<td>RAD_QTY = 3.0E-6</td>
<td></td>
</tr>
<tr>
<td>RAD_PKG_ID = OTP-CRT-PI-002</td>
<td></td>
</tr>
<tr>
<td>RAD_ISO_NUM = 13</td>
<td></td>
</tr>
<tr>
<td>RAD_QTY = 4.0E-6</td>
<td></td>
</tr>
<tr>
<td>RAD_PKG_ID = OTP-CRT-PI-002</td>
<td></td>
</tr>
<tr>
<td>RAD_ISO_NUM = 100</td>
<td></td>
</tr>
<tr>
<td>RAD_QTY = 5.0E-6</td>
<td></td>
</tr>
</tbody>
</table>

At discharge conveyor
Table XXIX.3

At discharge weight scale
Table XXIX.4
| END |   |   |   |   |   |   |   |   |
Table XXX - Data description for OTP-CRT-PO-002

<table>
<thead>
<tr>
<th>OTP-CRT-PO-002</th>
<th>85 gal overpack drum for processing</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Initial SWITS Data (SCRIPT)</strong></td>
<td><strong>WASTE</strong></td>
</tr>
</tbody>
</table>
| Table XXX.1 | CON_PKG_ID = OTP-CRT-PO-002  
CON_CNTYP_CD = DM  
CON_LOCN_FACIL_ID = 2401W  
CON_PKG_STATUS = M  
CON_PWTYP_CD = R  
CON_SIZE_DESCR = 85 GALLON  
CON_GROSS_WGT = 100  
CON_TARE_WGT = 31  
CON_REL_CD = M |
| **CONREL** | CONR_FROM_PKG_ID = OTP-CRT-PI-002  
CONR_TO_PKG_ID = OTP-CRT-PO-002  
CONR_DT = system date  
CONR_REL_CD = M |
| **Data after receipt** | **WASTE** |
| Table XXX.2 | CON_PKG_ID = OTP-CRT-PO-002  
CON_CNTYP_CD = DM  
CON_LOCN_FACIL_ID = 2401W  
CON_PKG_STATUS = M  
CON_PWTYP_CD = R  
CON_SIZE_DESCR = 85 GALLON  
CON_GROSS_WGT = 100  
CON_TARE_WGT = 31  
CONEXT_PKG_ID = OTP-CRT-PO-002  
CONEXT_USE_CD = WV  
CONEXT_WRAP_STAT_CD = W  
CONEXT_ROUTE_CD = 9 |
### RADMAT (After receiving 4 LLW drums with total DE Ci of 4 and 4 TRU drums with total DE Ci of 200)

- **RADMAT ID:** F
- **RADMAT_ALARM:** F
- **RADMAT_LIMIT:** 1433
- **RADMAT_RAD_TOT:** 14 + 2 / 0
- **RADMAT_UNITS:** Ci

- **RADMAT ID:** T
  - **RADMAT_ALARM:** F
  - **RADMAT_LIMIT:** 177
  - **RADMAT_RAD_TOT:** 10
  - **RADMAT_UNITS:** FGE

- **RADMAT ID:** R
  - **RADMAT_ALARM:** F
  - **RADMAT_LIMIT:** 177
  - **RADMAT_RAD_TOT:** 10
  - **RADMAT_UNITS:** FGE

### CONLOC

- **CONLOC_PKG_ID:** OTP-CRT-PO-002
- **CONLOC_DT:** System date
- **CONLOC_LOCN_ID:** RECEDCK

### CONREL

- **CONR_PKG_ID:** OTP-CRT-PI-002
- **CONR_PKG_ID:** OTP-CRT-PO-002
- **CONR_DT:** System date
- **CONR_REL_CD:** M

---

**At discharge conveyor**

<table>
<thead>
<tr>
<th>Table</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>XXX.3</td>
<td></td>
</tr>
</tbody>
</table>

**At discharge weight scale**

<table>
<thead>
<tr>
<th>Table</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>XXX.4</td>
<td></td>
</tr>
</tbody>
</table>
### Table XXXI - Data description for OTP-CRT-PI-003

<table>
<thead>
<tr>
<th>WASTE</th>
<th>RADDetail</th>
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<tbody>
<tr>
<td>CON_PKG_ID = OTP-CRT-PI-003</td>
<td>RDET_PKG_ID = OTP-CRT-PI-003</td>
</tr>
<tr>
<td>CON_CNTYP_CD = DM</td>
<td>RDET_ASSAY_DT = system date</td>
</tr>
<tr>
<td>CON_LOCN_FACIL_ID = 2401W</td>
<td>RDET_SWTYP_GROUP = TRU</td>
</tr>
<tr>
<td>CON_PKG_STATUS = A</td>
<td>RDET_TOT_BG_CI = 10</td>
</tr>
<tr>
<td>CON_PWTYP_CD = R</td>
<td>RDET_TOT_DE_CI = 50</td>
</tr>
<tr>
<td>CON_SIZE_DESCR = 55 GALLON</td>
<td>RDET_TOT_PU_FGE = 5</td>
</tr>
<tr>
<td>CON_GROSS_WGT = 100</td>
<td>RDET_WASTE_MAKEUP = X</td>
</tr>
<tr>
<td>CON_TARE_WGT = 21</td>
<td></td>
</tr>
</tbody>
</table>

**Initial SWITS Data (SCRIPT)**

**Table XXXI.1**

**WASTE** 55 gal drum for processing
### Data after receipt

#### Table XXXI.2

<table>
<thead>
<tr>
<th>ISOQTY</th>
<th>RAD_PKG_ID = OTP-CRT-PI-003</th>
<th>RAD_ISO_NUM = 3</th>
<th>RAD_QTY = 1.0E-6</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>RAD_PKG_ID = OTP-CRT-PI-003</td>
<td>RAD_ISO_NUM = 8</td>
<td>RAD_QTY = 2.0E-6</td>
</tr>
<tr>
<td></td>
<td>RAD_PKG_ID = OTP-CRT-PI-003</td>
<td>RAD_ISO_NUM = 26</td>
<td>RAD_QTY = 3.0E-6</td>
</tr>
<tr>
<td></td>
<td>RAD_PKG_ID = OTP-CRT-PI-003</td>
<td>RAD_ISO_NUM = 13</td>
<td>RAD_QTY = 4.0E-6</td>
</tr>
<tr>
<td></td>
<td>RAD_PKG_ID = OTP-CRT-PI-003</td>
<td>RAD_ISO_NUM = 100</td>
<td>RAD_QTY = 5.0</td>
</tr>
</tbody>
</table>

#### WASTE

<table>
<thead>
<tr>
<th>CON_PKG_ID = OTP-CRT-PI-003</th>
<th>CON_CNTYP CD = DM</th>
<th>CON_LOCN FACIL_ID = 2401W</th>
<th>CON_PKG STATUS = A</th>
</tr>
</thead>
<tbody>
<tr>
<td>CON_PWTYP CD = R</td>
<td>CON_SIZE DESCR = 55 GALLON</td>
<td>CON_GROSS WGT = 100</td>
<td>CON_TARE WGT = 21</td>
</tr>
</tbody>
</table>

#### WASTEXT

<p>| CONEXT_PKG_ID = OTP-CRT-PI-003 | CONEXT_USE'CD = WV | CONEXT_WRAP STAT CD = W | CONEXT_ROUTE CD = 9 |</p>
<table>
<thead>
<tr>
<th>DISCHARGE CONVEYOR</th>
<th>DISCHARGE WEIGHT SCALE</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Table XXXI.3</strong></td>
<td><strong>Table XXXI.4</strong></td>
</tr>
</tbody>
</table>

**At discharge conveyor**
- RAD_PKG_ID = OTP-CRT-PI-003
- RAD_QTY = 1.0E-6

**At discharge weight scale**
- RAD_PKG_ID = OTP-CRT-PI-003
- RAD_QTY = 2.0E-6
<table>
<thead>
<tr>
<th>CONEXT ROUTE CD = 9</th>
<th>WASTE</th>
</tr>
</thead>
<tbody>
<tr>
<td>CONEXT_WMF_PKG CD = M</td>
<td></td>
</tr>
<tr>
<td>CONEXT_USE CD = MW</td>
<td></td>
</tr>
<tr>
<td>CONEXT_PKG ID = QFS-CRT-P0-003</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>CON.Ext.PKG WGT = 31</th>
<th>WASTE</th>
</tr>
</thead>
<tbody>
<tr>
<td>CON_EXT_PKG_SIZE = 85 GALLON</td>
<td></td>
</tr>
<tr>
<td>CON_EXT_PKG_CD = R</td>
<td></td>
</tr>
<tr>
<td>CON_EXT_PKG_STATUS = M</td>
<td></td>
</tr>
<tr>
<td>CON_EXT_PKG_FACIL ID = 2401W</td>
<td></td>
</tr>
<tr>
<td>CON_EXT_PKG_CD = DM</td>
<td></td>
</tr>
<tr>
<td>CON_EXT_PKG_ID = QFS-CRT-P0-003</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>CON_REL = M</th>
<th>WASTE</th>
</tr>
</thead>
<tbody>
<tr>
<td>CON_DL = System date</td>
<td></td>
</tr>
<tr>
<td>CON_T0_PKG ID = QFS-CRT-P0-003</td>
<td></td>
</tr>
<tr>
<td>CON_FROM_PKG ID = QFS-CRT-P1-003</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>CON.TPK WGT = 31</th>
<th>WASTE</th>
</tr>
</thead>
<tbody>
<tr>
<td>CON.TPK_SIZE = 85 GALLON</td>
<td></td>
</tr>
<tr>
<td>CON.TPK_CD = R</td>
<td></td>
</tr>
<tr>
<td>CON.TPK_STATUS = M</td>
<td></td>
</tr>
<tr>
<td>CON.TPK_FACIL ID = 2401W</td>
<td></td>
</tr>
<tr>
<td>CON.TPK_CD = DM</td>
<td></td>
</tr>
<tr>
<td>CON.TPK_ID = QFS-CRT-P0-003</td>
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</tr>
</tbody>
</table>

---

**Table XIXII.1**

Initial SMS data (SCRTP)

**Table XIXII.2**

Data after receipt for QFS-CRT-P0-003

---

**Table XIXII - Data description for QFS-CRT-P0-003**

Integrated Engineering Cold Run Test - Balance of Plant

**Attachment 6 - Data Tables**

**HNF-SD-W026-01R-018, Rev. 1, Page 151**
<table>
<thead>
<tr>
<th>RADMAT</th>
<th>(After receiving 4 LLW drums with total DE Ci of 4 and 4 TRU drums with total DE Ci of 200)</th>
</tr>
</thead>
<tbody>
<tr>
<td>RADMAT ID = F</td>
<td></td>
</tr>
<tr>
<td>RADMAT_ALARM = F</td>
<td></td>
</tr>
<tr>
<td>RADMAT_LIMIT = 1433</td>
<td></td>
</tr>
<tr>
<td>RADMAT_RAD_TOT = 214</td>
<td></td>
</tr>
<tr>
<td>RADMAT_UNITS = CI</td>
<td></td>
</tr>
<tr>
<td>RADMAT ID = T</td>
<td></td>
</tr>
<tr>
<td>RADMAT_ALARM = F</td>
<td></td>
</tr>
<tr>
<td>RADMAT_LIMIT = 177</td>
<td></td>
</tr>
<tr>
<td>RADMAT_RAD_TOT = 10</td>
<td></td>
</tr>
<tr>
<td>RADMAT_UNITS = FGE</td>
<td></td>
</tr>
<tr>
<td>RADMAT ID = R</td>
<td></td>
</tr>
<tr>
<td>RADMAT_ALARM = F</td>
<td></td>
</tr>
<tr>
<td>RADMAT_LIMIT = 177</td>
<td></td>
</tr>
<tr>
<td>RADMAT_RAD_TOT = 10</td>
<td></td>
</tr>
<tr>
<td>RADMAT_UNITS = FGE</td>
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</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>CONLOC</th>
</tr>
</thead>
<tbody>
<tr>
<td>CONLOC_PKG_ID = OTP-CRT-PO-003</td>
</tr>
<tr>
<td>CONLOC_DT = system date</td>
</tr>
<tr>
<td>CONLOC_LOCN_ID = RECDCK</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>CONREL</th>
</tr>
</thead>
<tbody>
<tr>
<td>CONR_FROM_PKG_ID = OTP-CRT-PO-003</td>
</tr>
<tr>
<td>CONR_TO_PKG_ID = OTP-CRT-PO-003</td>
</tr>
<tr>
<td>CONR_DT = system date</td>
</tr>
<tr>
<td>CONR_REL_CD = M</td>
</tr>
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</table>

---

At discharge conveyor

Table XXXII.3

At discharge weight scale

Table XXXII.4
Table XXXIII - Data description for OTP-CRT-PI-004

<table>
<thead>
<tr>
<th>Initial SWITS Data (SCRIPT)</th>
<th>WASTE</th>
<th>RADDETAIL</th>
</tr>
</thead>
<tbody>
<tr>
<td>OTP-CRT-PI-004, 55 gal drum for processing</td>
<td>CON PKG ID = OTP-CRT-PI-004</td>
<td>RDET PKG ID = OTP-CRT-PI-004</td>
</tr>
<tr>
<td></td>
<td>CON CNTYP CD = DM</td>
<td>RDET ASSAY DT = system date</td>
</tr>
<tr>
<td></td>
<td>CON LOCN FACIL ID = 2401W</td>
<td>RDET SWTYP GROUP = TRU</td>
</tr>
<tr>
<td></td>
<td>CON PKG STATUS = A</td>
<td>RDET TOT BG CI = 10</td>
</tr>
<tr>
<td></td>
<td>CON PWTYP CD = R</td>
<td>RDET TOT DE CI = 50</td>
</tr>
<tr>
<td></td>
<td>CON SIZE DESC = 55 GALLON</td>
<td>RDET TOT PU FGE = 5</td>
</tr>
<tr>
<td></td>
<td>CON GROSS WGT = 100</td>
<td>RDET WASTE MAKEUP = X</td>
</tr>
<tr>
<td></td>
<td>CON TARE WGT = 21</td>
<td></td>
</tr>
<tr>
<td>ISOQTY</td>
<td>WASTE</td>
<td></td>
</tr>
<tr>
<td>--------</td>
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<tr>
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<tr>
<td></td>
<td>RAD_ISO_NUM = 3</td>
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<tr>
<td></td>
<td>RAD_QTY = 1.0E-6</td>
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<tr>
<td></td>
<td>RAD_PKG_ID = OTP-CRT-PI-004</td>
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<tr>
<td></td>
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<tr>
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<td>RAD_PKG_ID = OTP-CRT-PI-004</td>
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</tr>
<tr>
<td></td>
<td>RAD_ISO_NUM = 26</td>
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<tr>
<td></td>
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</tr>
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<td>RAD_ISO_NUM = 13</td>
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<td></td>
<td>RAD_QTY = 4.0E-6</td>
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<td></td>
<td>RAD_PKG_ID = OTP-CRT-PI-004</td>
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<tr>
<td></td>
<td>RAD_ISO_NUM = 100</td>
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<tr>
<td></td>
<td>RAD_QTY = 5.0</td>
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<tr>
<td>Data after receipt</td>
<td>CON_PKG_ID = OTP-CRT-PI-004</td>
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<tr>
<td>Table XXXIII.2</td>
<td>CON_CNTYP_CD = DM</td>
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<tr>
<td></td>
<td>CON_LOCN_FACIL_ID = 2401W</td>
<td></td>
</tr>
<tr>
<td></td>
<td>CON_PKG_STATUS = A</td>
<td></td>
</tr>
<tr>
<td></td>
<td>CON_PWTYP_CD = R</td>
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<tr>
<td></td>
<td>CON_SIZE_DESCR = 55 GALLON</td>
<td></td>
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<tr>
<td></td>
<td>CON_GROSS_WGT = 100</td>
<td></td>
</tr>
<tr>
<td></td>
<td>CON_TARE_WGT = 21</td>
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</tr>
<tr>
<td>WASTEXT</td>
<td>CONEXT_PKG_ID = OTP-CRT-PI-004</td>
<td></td>
</tr>
<tr>
<td></td>
<td>CONEXT_USE_CD = WP</td>
<td></td>
</tr>
<tr>
<td></td>
<td>CONEXT_WRAP_STAT_CD = W</td>
<td></td>
</tr>
<tr>
<td></td>
<td>CONEXT_ROUTE_CD = 9</td>
<td></td>
</tr>
</tbody>
</table>

THINK ALARA IN ALL WE DO
### RADDETAIL
- **RDET PKG ID**: OTP-CRT-PI-004
- **RDET ASSAY DT**: System date
- **RDET SWTYP GROUP**: TRU
- **RDET TOTAL BG CI**: 10
- **RDET TOTAL DE CI**: 50
- **RDET TOTAL PU FGE**: 5
- **RDET WASTE MAKEUP**: X

### ISOQTY
- **RAD PKG ID**: OTP-CRT-PI-004
- **RAD ISO NUM**: 3
- **RAD QTY**: 1.0E-6
- **RAD PKG ID**: OTP-CRT-PI-004
- **RAD ISO NUM**: 8
- **RAD QTY**: 2.0E-6
- **RAD PKG ID**: OTP-CRT-PI-004
- **RAD ISO NUM**: 26
- **RAD QTY**: 3.0E-6
- **RAD PKG ID**: OTP-CRT-PI-004
- **RAD ISO NUM**: 13
- **RAD QTY**: 4.0E-6
- **RAD PKG ID**: OTP-CRT-PI-004
- **RAD ISO NUM**: 100
- **RAD QTY**: 5.0E-6

At discharge conveyor
- Table XXXIII.3

At discharge weight scale
- Table XXXIII.4
Table XXXIV - Data description for OTP-CRT-PO-004

| Initial SWITS Data (SCRIPT) | WASTE | CON PKG_ID = OTP-CRT-PO-004  
|                            |       | CON_CNTYP_CD = DM  
|                            |       | CON_LOCN_FACIL_ID = 2401W  
|                            |       | CON_PKG_STATUS = M  
|                            |       | CON_PWTYP_CD = R  
|                            |       | CON_SIZE_DESCR = 85 GALLON  
|                            |       | CON_GROSS_WGT = 100  
|                            |       | CON_TARE_WGT = 31  
|                            | CONREL | CONR_FROM_PKG_ID = OTP-CRT-PI-004  
|                            |       | CONR_TO_PKG_ID = OTP-CRT-PO-004  
|                            |       | CONR_DT = system date  
|                            |       | CONR_REL_CD = M  
| Data after receipt         | WASTE | CON PKG_ID = OTP-CRT-PO-004  
|                            |       | CON_CNTYP_CD = DM  
|                            |       | CON_LOCN_FACIL_ID = 2401W  
|                            |       | CON_PKG_STATUS = M  
|                            |       | CON_PWTYP_CD = R  
|                            |       | CON_SIZE_DESCR = 85 GALLON  
|                            |       | CON_GROSS_WGT = 100  
|                            |       | CON_TARE_WGT = 31  
|                            | WASTEXT | CONEXT_PKG_ID = OTP-CRT-PO-004  
|                            |       | CONEXT_USE_CD = WV  
|                            |       | CONEXT_WRAP Tháng CD = W  
|                            |       | CONEXT_ROUTE_CD = 9  

85 gal overpack drum for processing
<table>
<thead>
<tr>
<th>RADMAT</th>
<th>(After receiving 4 LLW drums with total DE Ci of 4 and 4 TRU drums with total DE Ci of 200)</th>
</tr>
</thead>
<tbody>
<tr>
<td>RADMAT ID = F</td>
<td>RADMAT_ALARM = F</td>
</tr>
<tr>
<td>RADMAT_UNITS = CI</td>
<td>3PA</td>
</tr>
<tr>
<td>RADMAT ID = T</td>
<td>RADMAT_ALARM = F</td>
</tr>
<tr>
<td>RADMAT_UNITS = FGE</td>
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</tr>
<tr>
<td>RADMAT ID = R</td>
<td>RADMAT_ALARM = F</td>
</tr>
<tr>
<td>RADMAT_UNITS = FGE</td>
<td></td>
</tr>
<tr>
<td>CONLOC</td>
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</tr>
<tr>
<td>CONLOC_PKG_ID = OTP-CRT-PO-004</td>
<td>CONLOC_DT = system date</td>
</tr>
<tr>
<td>CONREL</td>
<td></td>
</tr>
<tr>
<td>CONR_FROM_PKG_ID = OTP-CRT-PI-004</td>
<td>CONR_TO_PKG_ID = OTP-CRT-PO-004</td>
</tr>
<tr>
<td>CONR_REL_CD = M</td>
<td></td>
</tr>
</tbody>
</table>

At discharge conveyor
Table XXXIV.3

At discharge weight scale
Table XXXIV.4
**ATTACHMENT 7 - ACRONYMS**

<table>
<thead>
<tr>
<th>Acronym</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>AGV</td>
<td>Automatic Guided Vehicle</td>
</tr>
<tr>
<td>AGVCS</td>
<td>Automatic Guided Vehicle Control System</td>
</tr>
<tr>
<td>ASRS</td>
<td>Automated Stacker Retriever System</td>
</tr>
<tr>
<td>ATP</td>
<td>Acceptance Test Procedure</td>
</tr>
<tr>
<td>CRT</td>
<td>Integrated Engineering Cold Run Test</td>
</tr>
<tr>
<td>D&amp;S</td>
<td>Drath &amp; Schrader</td>
</tr>
<tr>
<td>DMS</td>
<td>Data Management System</td>
</tr>
<tr>
<td>DOS</td>
<td>Duty Operations Supervisor</td>
</tr>
<tr>
<td>FTP</td>
<td>Functional Test Procedure</td>
</tr>
<tr>
<td>GEA</td>
<td>Gamma Energy Assay</td>
</tr>
<tr>
<td>HS</td>
<td>Hand Switch</td>
</tr>
<tr>
<td>IPAN</td>
<td>Imaging Passive-Active Neutron</td>
</tr>
<tr>
<td>MC</td>
<td>Maintenance Craft</td>
</tr>
<tr>
<td>OCS</td>
<td>Operating Control Station</td>
</tr>
<tr>
<td>OIU</td>
<td>Operator Interface Unit</td>
</tr>
<tr>
<td>OP</td>
<td>Operations Personnel</td>
</tr>
<tr>
<td>OTP</td>
<td>Operating Test Procedure</td>
</tr>
<tr>
<td>PCS</td>
<td>Plant Control System</td>
</tr>
<tr>
<td>PLC</td>
<td>Programmable Logic Controller</td>
</tr>
<tr>
<td>RCT</td>
<td>Radiological Control Technician</td>
</tr>
<tr>
<td>RTAP</td>
<td>Real Time Applications Platform</td>
</tr>
<tr>
<td>SWITS</td>
<td>Solid Waste Information Tracking System</td>
</tr>
<tr>
<td>TD</td>
<td>Test Director</td>
</tr>
<tr>
<td>TE</td>
<td>Test Engineer</td>
</tr>
<tr>
<td>TRU</td>
<td>Transuranic Waste</td>
</tr>
</tbody>
</table>

---

**THINK ALARA IN ALL WE DO**
HANFORD NUCLEAR FACILITY
WRAP I
Integrated Engineering Cold Run Test - Balance of Plant

Author
M. J. Pell
Print Name/Signature

APPROVAL DESIGNATOR __ SQ __

PROCEDURE APPROVAL SIGNATURES

WRAP I Startup Manager __ Date __

WRAP I COG Engineer __ Date __

WRAP I Quality Assurance __ Date __

WRAP I Industrial Safety __ Date __

WRAP I Engineering Manager __ Date __

WRAP I Operations Manager __ Date __

Original signatures on file with WRAP 1 Document Control Specialist
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1.0 PURPOSE

This procedure has been prepared to verify that the entire LLW and TRU process lines, from the receiving dock, to the process area, through the gloveboxes, to storage in ASRS, and out the loading dock, operate in accordance with system design and specifications.

2.0 SCOPE

This Cold Run Test will demonstrate the functionality of the plant processes, systems, and components, necessary to process LLW and TRU waste drums through the facility per approved procedures, and the compatibility of these items to function as an integrated process. This test will specifically avoid testing functions that have already been sufficiently tested and documented. This exclusion includes all internal functions of the gloveboxes. In the interest of efficiency and support of the facility schedule, the initial revision of this document will be limited to the following:

- Receipt and storage of eight overpacked drums, four LLW and four TRU.
- Receipt, routing, and staging of eleven empty drums to the process area where they will be used later in this test.
- Receipt, processing, and shipping of two Route 1 verification drums.
- Receipt, processing, and shipping of two Route 9 verification drums.

This document has been revised to complete the processing of all staged drums through the LLW and TRU Process and RWM Lines.

The primary focus of this test will be to prove the automatic mode of all mechanical and control operations listed below. When necessary, this test will demonstrate the manual mode of the following as well. Though the gloveboxes are listed below, only waste and empty drum movement to, from, and between the gloveboxes will be tested by this document.

- Receive, Store and Ship Waste Drums
  - SWITS/DMS Interface
  - Fork Lift
  - Automated Stacker and Retriever System
  - Infeed/Discharge Weight Scales

- Move Waste Drums Throughout The WRAP I Facility
  - Conveyor and Carousel Systems
  - Jib Cranes and Support Equipment
  - Automated Guided Vehicles (and Charger)
  - Mobile Drum Lifter

- LLW Waste Gloveboxes and Sub-systems
  - LLW Entry Glovebox, 107-GB-07-101
  - LLW Sorting Glovebox, 107-GB-07-102
  - LLW Supercompactor Glovebox, 107-GB-07-104
  - LLW Exit Glovebox, 107-GB-07-105
  - LLW RWM Glovebox, 107-GB-07-201
TRU Waste Gloveboxes and Sub-systems
- TRU Entry Glovebox, 107-GB-07-301
- TRU Sorting Glovebox, 107-GB-07-302
- TRU Compacted Empty Drum Loadout Glovebox, 107-GB-07-306
- TRU Empty Drum Compactor Glovebox, 107-GB-07-307
- TRU Waste Loadout Glovebox, 107-GB-07-308
- TRU Waste Loadout Glovebox, 107-GB-07-309
- TRU RWM Glovebox, 107-GB-07-401

Information Management Systems (as related to Waste Processing)
- Data Management System (DMS)
- Plant Control System (PCS)
- Real Time Applications Platform (RTAP) for Alarms and Warnings
- Automated Guided Vehicle Control System (AGVCS)
- Barcode System
3.0 SAFETY

3.1 WARNING - In addition to construction and/or chemical, electrical, and oil contamination hazards, operators should be aware of the possibility of coming into contact with poisonous snakes and spiders.

3.2 The gloveboxes are equipped with fire protection equipment which may discharge dry chemical into the glovebox if smoke is detected in the glovebox or glovebox ventilation ducts.

3.3 Use care to minimize injury. Possible safety hazards include:
   - Tripping
   - Slipping
   - Injuries to the hands/head
   - Automatic Guided Vehicle traffic.

4.0 LIMITS AND PRECAUTIONS

4.1 No Quality Assurance witness, hold points, or verifications are required in this CRT.

4.2 IF during performance of this procedure, any of the following conditions are found:
   - Any equipment malfunction which could prevent fulfillment of functional requirements.
   - Personnel error or procedural inadequacy which could prevent fulfillment of CRT procedural requirements.

   THEN, IMMEDIATELY NOTIFY the TD and TE.

4.3 Based on the significance of a malfunction, error, or inadequacy, the test may be stopped and the equipment placed in a safe condition until the condition is resolved.

4.4 Contact the TD and TE for additional instructions if changing plant conditions affect work or cause delays in work extending beyond (testing) shift.

4.5 At the end of each test shift, all test drums shall be stored either in ASRS, or be located on the Process side of the drum airlock.

4.6 IF any waste is generated during performance of this CRT, THEN, consult Environmental Compliance Officer for specific instructions to ensure compliance with HNF and DOE environmental standards, as applicable, for correct disposal.
4.7 Comply with HNF and plant/facility specific lock and tag and over-tagging procedures, as applicable.

4.8 Measuring and Test Equipment (M&TE), except timing devices used in the performance of this CR, shall meet the following requirements:

- Be within its current calibration cycle as evidenced by an affixed calibration label.
- Be capable of the desired range.
- Have an accuracy (consistent with state-of-the-art limitations) equal to or greater than the accuracy specified in the CRT.

4.9 Timing measurements shall be made with commercially available timing devices.

4.10 All test data readings are to be taken and recorded for each location where the capability exists (i.e. local instrument, OIU, DMS terminal).

5.0 RESPONSIBILITIES

5.1 Test Director:
- Schedule and reschedule Integrated Engineering Cold Run Test as required.
- Notify test participants before testing begins.
- Notify personnel prior to testing of special safety precautions and conditions during testing.
- Schedule and conduct a daily pretest meeting with test participants.
- Ensure Attachment 1, TEST EXCEPTION LOG, is maintained current and complete.
- Control overall testing process and change record authorization for this CRT.
- Responsible for conducting the test, collecting data, and ensuring compliance with all CRT requirements.

5.2 Test Engineer:
- Provide technical support during testing.
- Provide programming support during testing.
- Participate in pre-test meetings, as necessary.
- Conduct a pre-test system walkdown, as necessary.
- Verify that mechanical, electrical, and control systems are functioning correctly and can support testing.

5.3 Maintenance Craft:
- Provide assistance during CRT activities.
5.4 Operations Personnel:
- Perform manipulations on Systems and Test Equipment.
- Start, stop and operate equipment related to CRT.
- Control and monitor parameters from Control Panels and Control Room.
- Ensure the DOS is kept informed about any conditions affecting plant stability or safety.

6.0 CHANGE CONTROL

Test procedure administrative or editorial changes required during testing may be accommodated as redline exceptions in the test report, provided these changes do not affect operating facility function, performance, or safety in a manner that could compromise or influence CRT data results.

6.1 Test changes affecting the following items shall be approved by the same signatories initially approving the CRT:

- Acceptance Criteria
- Requirements
- Cautions, Precautions, and Limitations
- Personnel Safety
- Environmental Compliance
7.0 REFERENCES

7.1 Operating Procedures

The Operating Procedures listed below are used in the performance of this procedure:

- WRP1-OP-0501 Operation of the AGV System
- WRP1-OP-0502 Receive, Store, and Ship Waste Containers
- WRP1-OP-0503 Move Waste Drums Throughout the WRAP Facility
- WRP1-OP-0506 Operation of the ASRS
- WRP1-OP-0703 Glovebox Lift Table Manual Operation
- WRP1-OP-0903 Drum Non-Destructive Assay (NDA) Automatic Operation
- WRP1-OP-0905 Passive/Active Neutron Assay Manual Operation
- WRP1-OP-0908 Operation of the Drum Nondestructive Examination System

7.2 Alarm Response Procedures

- WRP1-AR-0700 Process Area Alarm Response
- WRP1-AR-1200 Radiological Control Alarm Response

7.3 HSRCM-1, Hanford Site Radiological Control Manual

7.4 HNF-CM-5-34, Solid Waste Disposal Operations Administration

- Section 1.9, Quality Assurance Program Plan
- Section 3.1.4, Lockout and Tagout

7.5 HNF-CM-5-36, SWD Internal Requirements

- Chapter 1-10, Safety Manual
- Chapter 1-11, Industrial Hygiene Manual
- Chapter 3-5, Section 12.7, Approval of Environmental, Safety and Quality Affecting Documents
- Chapter 4-2, Quality Assurance Manual
- Chapter 7-5, Environmental Compliance Manual

7.6 WMH-200, Waste Management Hanford Procedures Manual
8.0 PREREQUISITES

See Para 4 for acceptance of Prerequisites

NOTE

This Section may be performed in any order.

8.1 PERFORM a pretest briefing each day testing is performed, with all personnel involved in the CRT in attendance, and inform affected employees of anticipated hazards for those activities for that day.

TD Initials/Date: /2/2/98

8.2 PERFORM a system walkdown inspection prior to performance of this CRT.

TE Initials/Date: /2/2/98

8.3 VERIFY two way portable radio communication (when necessary) between the testing and equipment locations.

TE Initials/Date: /2/2/98

8.4 VERIFY the official CRT document and all photocopies that will be used during testing are the latest approved revision.

TE Initials/Date: /2/2/98

8.5 DETERMINE appropriate interface support from other departments/organizations and that necessary support personnel/equipment is available.

TE Initials/Date: /2/2/98

8.6 VERIFY personnel performing this procedure are qualified in accordance with WMH-200, Section 5.1, Training Plan, HNF-IP-1242, WRAP 1 RGD Radiation Protection Program and on-the-job training.

TE Initials/Date: /2/2/98

8.7 VERIFY all personnel to be involved with this CRT have made appropriate entries on Attachment 3, SIGNATURE RECORD.

TE Initials/Date: /2/2/98
8.8 VERIFY all open (FTP/ATP/OTP) items will not effect CRT performance:

- Quality Assurance Nonconformance Reports (NCRs)
- Construction Punch Lists
- Outstanding Engineering Change Notices (ECNs)
- Startup-originated Design Change Requests (Crs)
- Test Deficiency Reports
- Master System Punch List items

TE Initials/Date: M/2/28/98

8.9 VERIFY Process area AGV is available and operational.

TE Initials/Date: M/2/28/98

8.10 VERIFY PCS and all OIUs for the Process Gloveboxes are available and operational.

TE Initials/Date: M/2/28/98

8.11 VERIFY DMS is available and operational.

TE Initials/Date: M/2/28/98
9.0 PROCEDURE

9.1 PERFORM the Integrated Engineering Cold Run Test - Balance of Plant in accordance with Attachment 4, Balance of Plant Cold Run Test Plan.

10.0 ACCEPTANCE CRITERIA

10.1 Each sign-off step in Attachment 4, Cold Run Test Plan, must be signed off, indicating successful completion of each step.

10.1.1 The only acceptable exception to this requirement is if Attachment 2, Test Exception Report is filled out, and the Disposition Section is approved by the Test Engineer.

10.1.2 Each Test Exception Report shall be logged in Attachment 1, Test Exception Log.

10.1.3 The Test Director shall review Attachment 1, Test Exception Log, and ensure timely completion of all Disposition Actions and Retest Requirements.

11.0 RECORDS

11.1 This Integrated Engineering Cold Run Test - Balance of Plant, complete with attachments, shall be filed by the WRAP 1 Document Control Specialist as a permanent test record.
### ATTACHMENT 1 - TEST EXCEPTION LOG

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<th>EXCEPTION TRACKING NUMBER</th>
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<th>DESCRIPTION</th>
<th>DISPOSITION</th>
<th>DATE CLOSED</th>
</tr>
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<tbody>
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<td></td>
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# ATTACHMENT 2 - TEST EXCEPTION REPORT

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<th>Test Name:</th>
<th>Exception Tracking Number:</th>
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## Description of Problem:

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<th>Impact on Testing:</th>
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<td>□ Hold for Resolution  □ Continue</td>
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## Disposition:

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<th>Disposition Approved By:</th>
<th>Test Engineer:</th>
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<tr>
<th>Disposition and Retest Requirements Completed By:</th>
<th>Disposition Actions Complete Verified By:</th>
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## Test Exception Closed:

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ATTACHMENT 3 - SIGNATURE RECORD

By signing below, I attest that I am aware of and understand my duties and responsibilities as described in the CRT and as assigned by the TD or TE.

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1.0 GENERAL DESCRIPTION

The general concept in performing this test is that if all possible drum flowpaths for all possible types of drums are proven, along with verification that the associated software logic, mechanical devices, and procedures to conduct these operations, perform as intended, the intent of this test will have been fulfilled.

This Cold Run Test Procedure provides instructions for the following integrated operations as performed on LLW and TRU waste drums, using the indicated procedures:

- **Receiving**
  (WRP1-OP-0502, Receive, Store and Ship Waste Containers)

- **Unloading**
  (WRP1-OP-0502, Receive, Store and Ship Waste Containers)

- **Barcoding**
  (WRP1-OP-0502, Receive, Store and Ship Waste Containers)

- **Weighing**
  (WRP1-OP-0502, Receive, Store and Ship Waste Containers)

- **Pre-Process Storage**
  (WRP1-OP-0506, Operation of the Automated Stacker/Retriever)

- **Transporting**
  (WRP1-OP-0501, Operation of the AGV System, AND WRP1-OP-0503, Move Waste Drums Throughout the WRAP Facility)

- **X-Raying Drums (NDE)**

- **Assaying (IPAN & GEA)**

- **Post-Process Storage**
  (WRP1-OP-0506, Operation of the Automated Stacker/Retriever)
ATTACHMENT 4 - BALANCE OF PLANT COLD RUN TEST PLAN

2.0 SAFETY

2.1 Reference SAFETY, Section 3.0 of the main body of this procedure.

3.0 TOOLS, EQUIPMENT, AND SUPPLIES

- Two (2) NDE test drums (RTR/LDA resolution measurement)
- Eight (8) empty 208 liter (55 gallon) One Trip Drums
- One (1) empty 322 liter (85 gallon) Drath and Schrader Drum
- Five (5) 208 liter (55 gallon) Entry/Exit Test Drums (four of these will be placed inside the four 85 gallon Entry/Exit Test Drums listed below, the other will be used at the LLW RWM Exit Port, 107-DO-07-202)
- Four (4) 322 liter (85 gallon) Entry/Exit Test Drums (Overpack)
- Drum handling (manual) equipment or Pallet fork truck
- Spill Kit/Decontamination Equipment (oils/chemicals)
- Tape and rags
- Any other equipment, material or protective clothing (as necessary)

4.0 TEST PREREQUISITES

4.1 VERIFY Cold Run Test Procedure Section 8.0. PREREQUISITES is complete.

   TE Initials/Date: __________/ __________

4.2 VERIFY PCS, DMS, RTAP, AGVCS, SIE, and required PLCs are ready to support testing by completing Attachment 5, Cold Run Initialization.

   Computer Engineer Initials/Date: __________/ __________

4.3 VERIFY NDE Warmup is completed per WRP1-OP-0904, OPERATING AND EMERGENCY PROCEDURE FOR THE PHILIPS 450 kV X-RAY MACHINE.

   TD Initials/Date: __________/ __________
5.0 PROCEDURE

5.1 RECEIVE AND STORE TEST WASTE DRUMS

NOTE - All inner drums within overpacks are simulated for this test because all functions that need to be tested related to the inner drums have already been tested by Operational Test Procedures.

5.1.1 VERIFY Pre-Shipment Documentation Review is completed satisfactory for the four 322 liter (85 gallon) overpack test drums listed below, along with the four associated 208 liter (55 gallon) LLW inner test drums per WRP1-OP-0502, RECEIVE, STORE AND SHIP WASTE CONTAINERS:

OTP-CRL-PO-001, OTP - Cold Run LLW - Process Outer - 001
OTP-CRL-PI-001, OTP - Cold Run LLW - Process Inner - 001
OTP-CRL-PO-002, OTP - Cold Run LLW - Process Outer - 002
OTP-CRL-PI-002, OTP - Cold Run LLW - Process Inner - 002
OTP-CRL-PO-003, OTP - Cold Run LLW - Process Outer - 003
OTP-CRL-PI-003, OTP - Cold Run LLW - Process Inner - 003
OTP-CRL-PO-004, OTP - Cold Run LLW - Process Outer - 004
OTP-CRL-PI-004, OTP - Cold Run LLW - Process Inner - 004

5.1.2 VERIFY Pre-Shipment Documentation Review is completed satisfactory for the four 322 liter (85 gallon) overpack test drums listed below, along with the four associated 208 liter (55 gallon) TRU inner test drums per WRP1-OP-0502, RECEIVE, STORE AND SHIP WASTE CONTAINERS:

OTP-CRT-PO-001, OTP - Cold Run TRU - Process Outer - 001
OTP-CRT-PI-001, OTP - Cold Run TRU - Process Inner - 001
OTP-CRT-PO-002, OTP - Cold Run TRU - Process Outer - 002
OTP-CRT-PI-002, OTP - Cold Run TRU - Process Inner - 002
OTP-CRT-PO-003, OTP - Cold Run TRU - Process Outer - 003
OTP-CRT-PI-003, OTP - Cold Run TRU - Process Inner - 003
OTP-CRT-PO-004, OTP - Cold Run TRU - Process Outer - 004
OTP-CRT-PI-004, OTP - Cold Run TRU - Process Inner - 004

TE Initials/Date: /
ATTACHMENT 4 - BALANCE OF PLANT COLD RUN TEST PLAN

5.1.3 UNLOAD all four incoming LLW overpacked test drums per WRP1-OP-0502, section titled, "Unload/Store Waste Containers".

TE Initials/Date: ______________________

NOTE - In Steps 5.1.4 through 5.1.7 the exact point in time meant by the term "received" is when the "REQUEST CERT DATA" button is pushed on DMS Screen DMSS0101, "CONTAINER RECEIVING".

5.1.4 VERIFY the FACILITY CURIE LEVEL DE-CI LIMIT EXCEEDED annunciator is received on RTAP when OTP-CRL-PO-004 is received.

TE Initials/Date: ______________________

5.1.5 VERIFY the DRUM DE-CI LIMIT EXCEEDED alarm is received on DMS Screen DMSS0101, "Container Receiving" when OTP-CRL-PO-004 is received.

Computer Engineer Initials/Date: ______________________

5.1.6 VERIFY the DRUM Pu FGE LIMIT EXCEEDED alarm is received on DMS Screen DMSS0101, "Container Receiving" when OTP-CRL-PO-004 is received.

Computer Engineer Initials/Date: ______________________

5.1.7 VERIFY the DRUM BETA GAMMA DOSE RATE LIMIT alarm is received on DMS Screen DMSS0101, "Container Receiving" when OTP-CRL-PO-004 is received.

Computer Engineer Initials/Date: ______________________

5.1.8 UNLOAD all four incoming TRU overpacked test drums per WRP1-OP-0502, section titled, "Unload/Store Waste Containers".

TE Initials/Date: ______________________

5.1.9 VERIFY Tare Weight for OTP-CRT-PI-001 is set to 27 kilograms.

TE Initials/Date: ______________________
ATTACHMENT 4 - BALANCE OF PLANT COLD RUN TEST PLAN

5.1.10 VERIFY Tare Weight for OTP-CRT-PO-001 is set to 31 kilograms.

TE Initials/Date: ______/______

NOTE - In WRPl-OP-0502, RECEIVE, STORE AND SHIP WASTE CONTAINERS, section titled, "Unload/Store Waste Containers", the last step in the section gives the Operator the option of storing the drums per WRPl-OP-0506, OPERATION OF THE ASRS. This Test will exercise that option and store all eight drums in ASRS prior to proceeding further.

5.1.11 STORE all four incoming LLW overpacked test drums per WRPl-OP-0506, OPERATION OF THE ASRS, section titled, "Drum Storage from Pallet Stand".

TE Initials/Date: ______/______

5.1.12 STORE all four incoming TRU overpacked test drums per WRPl-OP-0506, OPERATION OF THE ASRS, section titled, "Drum Storage from Pallet Stand".

TE Initials/Date: ______/______

5.1.13 VERIFY data for all LLW drums by comparing to the tables in Attachment 6, Data Tables, indicated below:

<table>
<thead>
<tr>
<th>DRUM</th>
<th>TABLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>OTP-CRL-PI-001</td>
<td>XIX.2</td>
</tr>
<tr>
<td>OTP-CRL-PO-001</td>
<td>XX.2</td>
</tr>
<tr>
<td>OTP-CRL-PI-002</td>
<td>XXI.2</td>
</tr>
<tr>
<td>OTP-CRL-PO-002</td>
<td>XXII.2</td>
</tr>
<tr>
<td>OTP-CRL-PI-003</td>
<td>XXIII.2</td>
</tr>
<tr>
<td>OTP-CRL-PO-003</td>
<td>XXIV.2</td>
</tr>
<tr>
<td>OTP-CRL-PI-004</td>
<td>XXV.2</td>
</tr>
<tr>
<td>OTP-CRL-PO-004</td>
<td>XXVI.2</td>
</tr>
</tbody>
</table>

Computer Engineer Initials/Date: ______/______
5.1.14 VERIFY data for all TRU drums by comparing to the tables in Attachment 6, Data Tables, indicated below:

<table>
<thead>
<tr>
<th>DRUM</th>
<th>TABLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>OTP-CRT-PI-001</td>
<td>XXVII.2</td>
</tr>
<tr>
<td>OTP-CRT-PO-001</td>
<td>XXVIII.2</td>
</tr>
<tr>
<td>OTP-CRT-PI-002</td>
<td>XXIX.2</td>
</tr>
<tr>
<td>OTP-CRT-PO-002</td>
<td>XXX.2</td>
</tr>
<tr>
<td>OTP-CRT-PI-003</td>
<td>XXXI.2</td>
</tr>
<tr>
<td>OTP-CRT-PO-003</td>
<td>XXXII.2</td>
</tr>
<tr>
<td>OTP-CRT-PI-004</td>
<td>XXXIII.2</td>
</tr>
<tr>
<td>OTP-CRT-PO-004</td>
<td>XXXIV.2</td>
</tr>
</tbody>
</table>

Computer Engineer Initials/Date: __________/__________
5.2 RECEIVE AND ROUTE EMPTY DRUMS

5.2.1 UNLOAD the following empty 55 Gallon One Trip Drums from the Receiving Dock to the Empty Drum Storage Area per WRP1-OP-0502, section titled, "Unload/Store Waste Containers":

- OTP-COLD-MT-01
- OTP-COLD-MT-02
- OTP-COLD-MT-03
- OTP-COLD-MT-04
- OTP-COLD-MT-05
- OTP-COLD-MT-06
- OTP-COLD-MT-07
- OTP-COLD-MT-08

TE Initials/Date: _____ /

5.2.2 SET the route to "4A" for all eight of the One Trip Drums listed above.

Computer Engineer Initials/Date: _____ /

5.2.3 VERIFY RTAP displays the following drums in the Empty Drum Storage Area:

- OTP-COLD-MT-01
- OTP-COLD-MT-02
- OTP-COLD-MT-03
- OTP-COLD-MT-04
- OTP-COLD-MT-05
- OTP-COLD-MT-06
- OTP-COLD-MT-07
- OTP-COLD-MT-08

Computer Engineer Initials/Date: _____ /

5.2.4 VERIFY DMS displays the correct locations for the following drums:

- OTP-COLD-MT-01
- OTP-COLD-MT-02
- OTP-COLD-MT-03
- OTP-COLD-MT-04
- OTP-COLD-MT-05
- OTP-COLD-MT-06
- OTP-COLD-MT-07
- OTP-COLD-MT-08

Computer Engineer Initials/Date: _____ /
ATTACHMENT 4 - BALANCE OF PLANT COLD RUN TEST PLAN

5.2.5 UNLOAD empty 55 Gallon Entry/Exit Drum, OTP-COLD-MT-09 from the Receiving Dock to the Empty Drum Storage Area per WRP1-OP-0502, section titled, "Unload/Store Waste Containers".

TE Initials/Date: __________ /

5.2.6 SET the route to "6A" for empty 55 Gallon Entry/Exit Drum, OTP-COLD-MT-09.

Computer Engineer Initials/Date: __________ /

5.2.7 UNLOAD empty 85 Gallon Drath & Schrader Drums, OTP-COLD-MT-10 and OTP-COLD-MT-11 from the Receiving Dock to the Empty Drum Storage Area per WRP1-OP-0502, section titled, "Unload/Store Waste Containers".

TE Initials/Date: __________ /

5.2.8 SET the route to "5A" for empty 85 Gallon Drath & Schrader Drums, OTP-COLD-MT-10 and OTP-COLD-MT-11.

Computer Engineer Initials/Date: __________ /

5.2.9 VERIFY Tare Weight for OTP-COLD-MT-10 is null.

Computer Engineer Initials/Date: __________ /

5.2.10 SET Tare Weight for OTP-COLD-MT-10 at 31 kilograms.

Computer Engineer Initials/Date: __________ /

5.2.11 VERIFY RTAP displays the following drums in the Empty Drum Storage Area:

OTP-COLD-MT-09
OTP-COLD-MT-10
OTP-COLD-MT-11

Computer Engineer Initials/Date: __________ /
ATTACHMENT 4 - BALANCE OF PLANT COLD RUN TEST PLAN

5.2.12 VERIFY DMS displays the correct locations for the following drums:

- OTP-COLD-MT-09
- OTP-COLD-MT-10
- OTP-COLD-MT-11

Computer Engineer Initials/Date: ____________

5.2.13 VERIFY data for all empty drums by comparing to the tables in Attachment 6, Data Tables, indicated below:

<table>
<thead>
<tr>
<th>DRUM</th>
<th>TABLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>OTP-COLD-MT-01</td>
<td>IV.2</td>
</tr>
<tr>
<td>OTP-COLD-MT-02</td>
<td>V.2</td>
</tr>
<tr>
<td>OTP-COLD-MT-03</td>
<td>VI.2</td>
</tr>
<tr>
<td>OTP-COLD-MT-04</td>
<td>VII.2</td>
</tr>
<tr>
<td>OTP-COLD-MT-05</td>
<td>VIII.2</td>
</tr>
<tr>
<td>OTP-COLD-MT-06</td>
<td>IX.2</td>
</tr>
<tr>
<td>OTP-COLD-MT-07</td>
<td>X.2</td>
</tr>
<tr>
<td>OTP-COLD-MT-08</td>
<td>XI.2</td>
</tr>
<tr>
<td>OTP-COLD-MT-09</td>
<td>XII.2</td>
</tr>
<tr>
<td>OTP-COLD-MT-10</td>
<td>XIII.2</td>
</tr>
<tr>
<td>OTP-COLD-MT-11</td>
<td>XIV.2</td>
</tr>
</tbody>
</table>

Computer Engineer Initials/Date: ____________
5.2.14 LOAD and SCAN the following empty test drums onto the Empty Drum Infeed Conveyor, 101-CV-05-105, in numerical order, using WRPI-0P-0503. MOVE WASTE DRUMS THROUGHOUT THE WRAP FACILITY, section titled, "Load Empty Drums onto Empty Drum Infeed Conveyor":

- OTP-COLD-MT-01 (55 Gallon One Trip)
- OTP-COLD-MT-02 (55 Gallon One Trip)
- OTP-COLD-MT-03 (55 Gallon One Trip)
- OTP-COLD-MT-04 (55 Gallon One Trip)
- OTP-COLD-MT-09 (55 Gallon Entry/Exit)
- OTP-COLD-MT-11 (85 Gallon Drath & Schrader)

TE Initials/Date: __________/

5.2.15 ENSURE OTP-COLD-MT-01 (55 Gallon One Trip) is positioned ready for AGV pickup on the end of Empty Drum Infeed Conveyor, 101-CV-05-105.

TE Initials/Date: __________/

5.2.16 REVERSE Empty Drum Infeed Conveyor, 101-CV-05-105, sufficiently to make room on the AGV end of the conveyor to load OTP-COLD-MT-10 (85 Gallon Drath & Schrader) in front of OTP-COLD-MT-01 (55 Gallon One Trip).

TE Initials/Date: __________/

5.2.17 LOAD and SCAN OTP-COLD-MT-10 (85 Gallon Drath & Schrader) on the AGV end of Empty Drum Infeed Conveyor, 101-CV-05-105.

TE Initials/Date: __________/

5.2.18 VERIFY on RTAP that routes and PINs assigned to empty drums on Empty Drum Infeed Conveyor, 101-CV-05-105, are correct.

Computer Engineer Initials/Date: __________/

5.2.19 SEND OTP-COLD-MT-10 (85 Gallon Drath & Schrader Drum) to Empty Drum Staging Conveyor, 107-CV-09-203, using the "REQUEST AGV PU" button on the "EMPTY DRUM INFEED CONVEYOR" RTAP Screen.

Computer Engineer Initials/Date: __________/
ATTACHMENT 4 - BALANCE OF PLANT COLD RUN TEST PLAN

5.2.20 SEND OTP-COLD-MT-01, OTP-COLD-MT-02, OTP-COLD-MT-03, OTP-COLD-MT-04, (55 Gallon One Trip Drums) to Empty Drum Staging Conveyor, 107-CV-09-204, one at a time, using the "REQUEST AGV PU" button on the "EMPTY DRUM INFEED CONVEYOR" RTAP Screen.

Computer Engineer Initials/Date: / 

5.2.21 SEND OTP-COLD-MT-09 (55 Gallon Entry/Exit Drum) to LLW/RWM Drum Entry/Exit Port, 107-DO-07-202, (Lift Table, 107-09-CV-201E) using the "REQUEST AGV PU" button on the "EMPTY DRUM INFEED CONVEYOR" RTAP Screen.

Computer Engineer Initials/Date: / 

5.2.22 SEND OTP-COLD-MT-11 (85 Gallon Drath & Schrader Drum) to Empty Drum Staging Conveyor, 107-CV-09-203, using the "REQUEST AGV PU" button on the "EMPTY DRUM INFEED CONVEYOR" RTAP Screen.

Computer Engineer Initials/Date: / 

NOTE - The Process Area AGV may require time to work through its queue prior to performing verification steps 5.2.23 through 5.2.26.

5.2.23 VERIFY the Process Area AGV has delivered one 55 Gallon One Trip Drum to each of the following Lift Tables:

- 107-LT-09-201A (for TRU/RWM Exit Port 107-DO-07-402B)
- 107-LT-09-201B (for TRU/RWM Exit Port 107-DO-07-402A)
- 107-LT-09-202D (for TRU Exit Port 107-DO-07-309)
- 107-LT-09-202E (for TRU Exit Port 107-DO-07-310)

TE Initials/Date: / 

5.2.24 VERIFY the Process Area AGV has delivered OTP-COLD-MT-09 (55 Gallon Entry/Exit Drum) to LLW/RWM Drum Entry/Exit Port, 107-DO-07-202.

TE Initials/Date: / 

5.2.25 VERIFY the Process Area AGV has delivered OTP-COLD-MT-10 (85 Gallon Drath & Schrader Drum) to Lift Table 107-LT-09-203C (for TRU Compacted Empty Drum Loadout Port, 107-DO-07-308).

TE Initials/Date: /
ATTACHMENT 4 - BALANCE OF PLANT COLD RUN TEST PLAN

5.2.26 VERIFY the Process Area AGV has delivered OTP-COLD-MT-11 (85 Gallon Drath & Schrader Drum) to Empty Drum Staging Conveyor, 107-CV-09-203.

TE Initials/Date: __________

5.2.27 LOAD and SCAN the following empty test drums onto the Empty Drum Infeed Conveyor, 101-CV-05-105, in numerical order, using WRP1-OP-0503. MOVE WASTE DRUMS THROUGHOUT THE WRAP FACILITY, section titled, "Load Empty Drums onto Empty Drum Infeed Conveyor":

- OTP-COLD-MT-05 (55 Gallon One Trip)
- OTP-COLD-MT-06 (55 Gallon One Trip)
- OTP-COLD-MT-07 (55 Gallon One Trip)
- OTP-COLD-MT-08 (55 Gallon One Trip)

TE Initials/Date: __________

5.2.28 SEND OTP-COLD-MT-05, OTP-COLD-MT-06, OTP-COLD-MT-07, OTP-COLD-MT-08, (55 Gallon One Trip Drums) to Empty Drum Staging Conveyor, 107-CV-09-204, one at a time, using the "REQUEST AGV PU" button on the "EMPTY DRUM INFEED CONVEYOR" RTAP Screen.

Computer Engineer Initials/Date: __________

5.2.29 VERIFY OTP-COLD-MT-05, OTP-COLD-MT-06, OTP-COLD-MT-07, OTP-COLD-MT-08, (55 Gallon One Trip Drums) arrive at Empty Drum Staging Conveyor, 107-CV-09-204.

Computer Engineer Initials/Date: __________

5.2.30 VERIFY correct location has been recorded on DMS for all empty containers.

Computer Engineer Initials/Date: __________
ATTACHMENT 4 - BALANCE OF PLANT COLD RUN TEST PLAN

5.3 RECEIVE, ROUTE, NDE, AND SHIP ROUTE 9 VERIFICATION DRUMS

5.3.1 VERIFY Pre-Shipment Documentation Review is completed satisfactory for OTP-COLD-WV-01, 208 liter (55 gallon) Verification Drum per WRP1-OP-0502, RECEIVE, STORE AND SHIP WASTE CONTAINERS.

TE Initials/Date: __________/

5.3.2 VERIFY Pre-Shipment Documentation Review is completed satisfactory for OTP-COLD-WV-02, 322 liter (85 gallon) Verification Drum per WRP1-OP-0502, RECEIVE, STORE AND SHIP WASTE CONTAINERS.

TE Initials/Date: __________/

5.3.3 UNLOAD Verification Drums OTP-COLD-WV-01 and OTP-COLD-WV-02 per WRP1-OP-0502, section titled, "Unload/Store Waste Containers".

TE Initials/Date: __________/

5.3.4 VERIFY DMS data for OTP-COLD-WV-01 and OTP-COLD-WV-02 using Attachment 6, Data Tables XV.2 and XVI.2.

TE Initials/Date: __________/

5.3.5 LOAD and SCAN both Verification Drums, OTP-COLD-WV-01 and OTP-COLD-WV-02 onto the Drum Infeed Conveyor, 101-CV-05-101A, in numerical order, using WRP1-OP-0503, MOVE WASTE DRUMS THROUGHOUT THE WRAP FACILITY, section titled, "Load Drum Infeed Conveyor and Weigh Drums (REMOTE MODE)".

TE Initials/Date: __________/

5.3.6 ENSURE the AGV picks up both Verification Drums from the Drum Infeed Conveyor, 101-CV-05-101B, OTP-COLD-WV-01 and OTP-COLD-WV-02 and delivers them to the NDE Vault.

TE Initials/Date: __________/
ATTACHMENT 4 - BALANCE OF PLANT COLD RUN TEST PLAN

5.3.7 CONDUCT Drum NDE Operations on both Verification Drums, OTP-COLD-WV-01 and OTP-COLD-WV-02, per WRP1-OP-0908, OPERATION OF THE DRUM NONDESTRUCTIVE EXAMINATION SYSTEM, section titled, Drum NDE Operations.

TE Initials/Date:

5.3.8 WHEN the Verification Drum, OTP-COLD-WV-01, completes NDE examination, AND WRP1-OP-0908 directs the Operator to depress the "EXAM COMPLETE" button on the control console, THEN ensure the AGV picks up OTP-COLD-WV-01.

TE Initials/Date:

5.3.9 WHEN the Verification Drum, OTP-COLD-WV-02, completes NDE examination, AND WRP1-OP-0908 directs the Operator to depress the "EXAM COMPLETE" button on the control console, THEN ensure the AGV picks up OTP-COLD-WV-02.

TE Initials/Date:

5.3.10 ENSURE Verification Drums, OTP-COLD-WV-01 and OTP-COLD-WV-02 are both delivered to the Drum Discharge Conveyor, 101-CV-05-102.

TE Initials/Date:

5.3.11 SCAN OTP-COLD-WV-01 and OTP-COLD-WV-02 at Discharge Conveyor Weight Scale.

TE Initials/Date:

5.3.12 VERIFY DMS data using Attachment 6, Data Tables, Tables XV.3, XVI.3, XV.4, and XVI.4.

Computer Engineer Initials/Date:

5.3.13 CONDUCT Verification Data Review.

Computer Engineer Initials/Date:
ATTACHMENT 4 - BALANCE OF PLANT COLD RUN TEST PLAN


TE Initials/Date: __________/__________

5.3.15 PERFORM DMS and SWITS Data Review using Attachment 6, Data Tables, Tables XV.5 and XVI.5.

Computer Engineer Initials/Date: __________/__________
5.4 RECEIVE, STORE, ROUTE, NDE, NDA, STORE, RETRIEVE, AND SHIP ROUTE 1 VERIFICATION DRUMS

5.4.1 VERIFY Pre-Shipment Documentation Review is completed satisfactory for OTP-COLD-WV-03, 208 liter (55 gallon) Verification Drum per WRP1-OP-0502, RECEIVE, STORE AND SHIP WASTE CONTAINERS.

TE Initials/Date: /

5.4.2 VERIFY Pre-Shipment Documentation Review is completed satisfactory for OTP-COLD-WV-04, 322 liter (85 gallon) Verification Drum per WRP1-OP-0502, RECEIVE, STORE AND SHIP WASTE CONTAINERS.

TE Initials/Date: /

5.4.3 UNLOAD Verification Drums OTP-COLD-WV-03 and OTP-COLD-WV-04 per WRP1-OP-0502, section titled, "Unload/Store Waste Containers".

TE Initials/Date: /

NOTE - In WRP1-OP-0502, RECEIVE, STORE AND SHIP WASTE CONTAINERS, section titled, "Unload/Store Waste Containers", the last step in the section gives the Operator the option of storing the drums per WRP1-OP-0506, OPERATION OF THE ASRS. This Test will exercise that option and store both drums in ASRS prior to proceeding further.

5.4.4 STORE both incoming Verification drums per WRP1-OP-0506, OPERATION OF THE ASRS, section titled, "Drum Storage from Pallet Stand".

TE Initials/Date: /

5.4.5 PERFORM Pre-Operation Background and QC Test Drum Checks of the NDA Equipment per WRP1-OP-0903, DRUM NON-DESTRUCTIVE ASSAY (NDA) AUTOMATIC OPERATION, section titled Assay of Test Drums (Section A).

TE Initials/Date: /
5.4.6 SET the following for both Verification Drums, OTP·COLD-WV-03 and OTP·COLD-WV-04:

- Route = "1"
- Profile = "TEST"
- Sample Flag = "N"
- Profile Flag = "Y"
- Compliant Flag = "Y"

TE Initials/Date: __________ / __________

5.4.7 RETRIEVE both Verification drums per WRPl-OP-0506, OPERATION OF THE ASRS, section titled, "Drum Retrieval to the Pallet Stand".

TE Initials/Date: __________ / __________

5.4.8 LOAD both Verification Drums, OTP·COLD-WV-03 and OTP·COLD-WV-04 onto the Drum Infeed Conveyor, 101-CV-05-101A, in numerical order, using WRPl-OP-0503, MOVE WASTE DRUMS THROUGHOUT THE WRAP FACILITY, section titled, "Load Drum Infeed Conveyor and Weigh Drums (REMOTE MODE)".

TE Initials/Date: __________ / __________

5.4.9 ENSURE the AGV picks up both Verification Drums from the Drum Infeed Conveyor, 101-CV-05-101B, OTP·COLD-WV-03 and OTP·COLD-WV-04 and delivers them to an available NDE Vault.

TE Initials/Date: __________ / __________

5.4.10 CONDUCT Drum NDE Operations on both Verification Drums, OTP·COLD-WV-03 and OTP·COLD-WV-04, per WRPl-OP-0908, OPERATION OF THE DRUM NONDESTRUCTIVE EXAMINATION SYSTEM, section titled, Drum NDE Operations.

TE Initials/Date: __________ / __________
ATTACHMENT 4 - BALANCE OF PLANT COLD RUN TEST PLAN

5.4.11 WHEN the Verification Drum, OTP-COLD-WV-03, completes NDE examination, AND WRP1-OP-0908 directs the Operator to depress the "EXAM COMPLETE" button on the control console, THEN ensure the following:

- PCS terminal indicates "DROP OFF/COLLECT DRUM".
- AGV picks up OTP-COLD-WV-03.
- AGV delivers OTP-COLD-WV-03 to an available PAN Unit.

TE Initials/Date: __________

5.4.12 CONDUCT automatic mode NDA operations (IPAN and GEA) on OTP-COLD-WV-03 per WRP1-OP-0903, DRUM NON-DESTRUCTIVE ASSAY (NDA) AUTOMATIC OPERATION.

TE Initials/Date: __________

5.4.13 WHEN the Verification Drum, OTP-COLD-WV-04, completes NDE examination, AND WRP1-OP-0908 directs the Operator to depress the "EXAM COMPLETE" button on the control console, THEN ensure the following:

- AGV picks up OTP-COLD-WV-04.
- AGV delivers OTP-COLD-WV-04 to an available PAN Unit.

TE Initials/Date: __________

5.4.14 CONDUCT automatic mode NDA operations (IPAN and GEA) on OTP-COLD-WV-04 per WRP1-OP-0903, DRUM NON-DESTRUCTIVE ASSAY (NDA) AUTOMATIC OPERATION.

TE Initials/Date: __________

5.4.15 VERIFY Verification Drums, OTP-COLD-WV-03 and OTP-COLD-WV-04 are both delivered to the Drum Discharge Conveyor, 101-CV-05-102, following completion of NDA operations.

TE Initials/Date: __________
ATTACHMENT 4 - BALANCE OF PLANT COLD RUN TEST PLAN

5.4.16 STORE Verification Drums, OTP-COLD-WV-03 and OTP-COLD-WV-04 in ASRS from the Drum Discharge Conveyor, 101-CV-05-102 per WRP1-OP-0506, OPERATION OF THE ASRS, section titled, "Drum Storage from Pallet Stand".

TE Initials/Date: __________ / __________

5.4.17 PERFORM Post-Operation Background and QC Test Drum Checks of the NDA Equipment per WRP1-OP-0903, DRUM NON-DESTRUCTIVE ASSAY (NDA) AUTOMATIC OPERATION, section titled Assay of Test Drums (Section D).

TE Initials/Date: __________ / __________

5.4.18 CONDUCT NDA Data Review using DMS 202 Screen.

Computer Engineer Initials/Date: __________ / __________

5.4.19 CONDUCT Verification Data Review.

Computer Engineer Initials/Date: __________ / __________

5.4.20 RETRIEVE Verification Drums, OTP-COLD-WV-03 and OTP-COLD-WV-04 from ASRS.

TE Initials/Date: __________ / __________

5.4.21 SHIP Verification Drums, OTP-COLD-WV-03 and OTP-COLD-WV-04 per WRP1-OP-0502, RECEIVE, STORE AND SHIP WASTE CONTAINERS, section titled, Ship Waste Drums.

TE Initials/Date: __________ / __________

5.4.22 PERFORM DMS and SWITS Data Review using Attachment 6, Data Tables, Tables XVII.5 and XVIII.5.

Computer Engineer Initials/Date: __________ / __________
ATTACHMENT 4 - BALANCE OF PLANT COLD RUN TEST PLAN

5.5  PROCESS LLW OVERPACK DRUMS FROM ASRS TO PROCESS AREA

5.5.1 RETRIEVE the following LLW Waste Drums from ASRS using WRP1-OP-0506, OPERATION OF THE ASRS, section titled, Drum Retrieval to the Pallet Stand, subsection titled, Drums for Processing:

- OTP-CRL-PO-001
- OTP-CRL-PO-002
- OTP-CRL-PO-003
- OTP-CRL-PO-004

TE Initials/Date: 05 12/20/98

5.5.2 MOVE the following drums to the Infeed Conveyor:

- OTP-CRL-PO-001
- OTP-CRL-PO-002
- OTP-CRL-PO-003
- OTP-CRL-PO-004

TE Initials/Date: SPA 1/10/98

5.5.3 LOAD and SCAN the following drums onto the Drum Infeed Conveyor, 101-CV-05-101A, in order:

- OTP-CRL-PO-001
- OTP-CRL-PO-002
- OTP-CRL-PO-003
- OTP-CRL-PO-004

TE Initials/Date: 28 12/20/98

5.5.4 VERIFY the following:

5.5.4.1 AGV delivers OTP-CRL-PO-001 to an NDE vault.
5.5.4.2 Transfer Conveyor positions drum.
5.5.4.3 Drum is transferred to the vault.
5.5.4.4 RTAP shows correct drum PIN and route.

TE Initials/Date: 05 12/20/98
5.5.5 VERIFY the following:

5.5.5.1 AGV delivers OTP-CRL-PO-002 to an NDE vault.
5.5.5.2 Transfer Conveyor positions drum.
5.5.5.3 Drum is transferred to the vault.
5.5.5.4 RTAP shows correct drum PIN and route.

TE Initials/Date:   

5.5.6 PERFORM Pre-Operation Background and QC Test Drum Checks of the NDA Equipment per WRP1-OP-0903, DRUM NON-DESTRUCTIVE ASSAY (NDA) AUTOMATIC OPERATION, section titled Assay of Test Drums (Section A).

TD Initials/Date:   

5.5.7 COMPLETE NDE Examination of OTP-CRL-PO-001 per WRP1-OP-0908, OPERATION OF THE DRUM NONDESTRUCTIVE EXAMINATION SYSTEM.

TE Initials/Date:   

5.5.8 WHEN WRP1-OP-0908 directs the Radiographer to press "EXAM COMPLETE" button on the control console for the vault containing OTP-CRL-PO-001, THEN VERIFY the following:

5.5.8.1 OTP-CRL-PO-001 exits the NDE Vault.
5.5.8.2 The AGV picks up OTP-CRL-PO-001 from the NDE Vault Transfer Conveyor.
5.5.8.3 The AGV delivers OTP-CRL-PO-001 to a PAN Vault.

TE Initials/Date:   

5.5.9 COMPLETE NDE Examination on OTP-CRL-PO-002 per WRP1-OP-0908, OPERATION OF THE DRUM NONDESTRUCTIVE EXAMINATION SYSTEM.

TE Initials/Date:   
5.5.10 WHEN WRPI-OP-0908 directs the Radiographer to press "EXAM COMPLETE" button on the control console for the vault containing OTP-CRL-PO-002, THEN VERIFY the following:

5.5.10.1 OTP-CRL-PO-002 exits the NDE Vault.
5.5.10.2 The AGV picks up OTP-CRL-PO-002 from the NDE Vault Transfer Conveyor.
5.5.10.3 The AGV delivers OTP-CRL-PO-002 to a PAN Vault.

TE Initials/Date: [Signature] [Date: 12/20/99]

5.5.11 VERIFY OTP-CRL-PO-001 enters a PAN Vault and the Shield Door closes.

TE Initials/Date: [Signature] [Date: 12/20/99]

5.5.12 VERIFY RTAP shows OTP-CRL-PO-001 in correct PAN Vault.

TE Initials/Date: [Signature] [Date: 12/20/99]

5.5.13 VERIFY OTP-CRL-PO-002 enters a PAN Vault and the Shield Door closes.

TE Initials/Date: [Signature] [Date: 12/20/99]

5.5.14 VERIFY RTAP shows OTP-CRL-PO-002 in correct PAN Vault.

TE Initials/Date: [Signature] [Date: 12/20/99]

5.5.15 CONDUCT NDA Examination per WRPI-OP-0903, DRUM NON-DESTRUCTIVE ASSAY (NDA) AUTOMATIC OPERATION.

5.5.15.1 VERIFY RTAP shows OTP-CRL-PO-001 is in the correct GEA vault when delivered by the AGV.

TE Initials/Date: [Signature] [Date: 12/20/99]

5.5.15.2 VERIFY RTAP shows OTP-CRL-PO-002 is in the correct GEA vault when delivered by the AGV.

TE Initials/Date: [Signature] [Date: 12/20/99]
5.5.16 WHEN the GEA Operation for OTP-CRL-PO-001 is completed, VERIFY the AGV picks up OTP-CRL-PO-001 and delivers it to the Airlock Drum Transfer Conveyor, 104-CV-09-103A.

TE Initials/Date: √/ 2/3/98

5.5.17 HALT OTP-CRL-PO-001 in Airlock by placing RTAP Airlock A Switch in MANUAL before drum reaches Process side photo eye.

TE Initials/Date: √/ 2/21/98

5.5.18 PERFORM NDA data review.

Computer Engineer Initials/Date: √/ 2/21/98

5.5.19 WHEN the GEA Operation for OTP-CRL-PO-002 is completed, VERIFY the AGV picks up OTP-CRL-PO-002 and delivers it to the Airlock Drum Transfer Conveyor, 104-CV-09-103A.

TE Initials/Date: √/ 2/22/98

5.5.20 HALT OTP-CRL-PO-002 in Airlock by placing RTAP Airlock A Switch in MANUAL before drum reaches Process side photo eye.

TE Initials/Date: √/ 2/22/98

5.5.21 PERFORM NDA data review.

Computer Engineer Initials/Date: √/ 2/22/98

5.5.22 VERIFY the following:

- 5.5.22.1 AGV delivers OTP-CRL-PO-003 to an NDE vault.
- 5.5.22.2 Transfer Conveyor positions drum.
- 5.5.22.3 Drum is transferred to the vault.
- 5.5.22.4 RTAP shows correct drum PIN and route.

TE Initials/Date: √/ 2/20/98
ATTACHMENT 4 - BALANCE OF PLANT COLD RUN TEST PLAN

5.5.23 VERIFY the following:
5.5.23.1 AGV delivers OTP-CRL-PO-004 to an NDE vault.
5.5.23.2 Transfer Conveyor positions drum.
5.5.23.3 Drum is transferred to the vault.
5.5.23.4 RTAP shows correct drum PIN and route.

TE Initials/Date: 3E 1/20/49

5.5.24 COMPLETE NDE Examination on OTP-CRL-PO-003 per WRP1-OP-0908, OPERATION OF THE DRUM NONDESTRUCTIVE EXAMINATION SYSTEM.

TE Initials/Date: 3E 1/20/49

5.5.25 WHEN WRP1-OP-0908 directs the Radiographer to press "EXAM COMPLETE" button on the control console for the vault containing OTP-CRL-PO-003, THEN VERIFY the following:
5.5.25.1 OTP-CRL-PO-003 exits the NDE Vault.
5.5.25.2 The AGV picks up OTP-CRL-PO-003 from the NDE Vault Transfer Conveyor.
5.5.25.3 The AGV delivers OTP-CRL-PO-003 to a PAN Vault.

TE Initials/Date: 3E 1/20/49

5.5.26 COMPLETE NDE Examination on OTP-CRL-PO-004 per WRP1-OP-0908, OPERATION OF THE DRUM NONDESTRUCTIVE EXAMINATION SYSTEM.

TE Initials/Date: 3E 1/20/49

5.5.27 WHEN WRP1-OP-0908 directs the Radiographer to press "EXAM COMPLETE" button on the control console for the vault containing OTP-CRL-PO-004, THEN VERIFY the following:
5.5.27.1 OTP-CRL-PO-004 exits the NDE Vault.
5.5.27.2 The AGV picks up OTP-CRL-PO-004 from the NDE Vault Transfer Conveyor.
5.5.27.3 The AGV delivers OTP-CRL-PO-004 to a PAN Vault.

TE Initials/Date: 3E 1/20/49
5.5.28 VERIFY OTP-CRL-PO-003 enters a PAN Vault and the Shield Door closes.

TE Initials/Date: OP 12/22/98

5.5.29 VERIFY RTAP shows OTP-CRL-PO-003 in correct PAN Vault.

TE Initials/Date: OP 12/22/98

5.5.30 VERIFY OTP-CRL-PO-004 enters a PAN Vault and the Shield Door closes.

TE Initials/Date: OP 12/22/98

5.5.31 VERIFY RTAP shows OTP-CRL-PO-004 in correct PAN Vault.

TE Initials/Date: OP 12/22/98

5.5.32 CONDUCT NDA Examination per WRP1-OP-0903, DRUM NON-DESTRUCTIVE ASSAY (NDA) AUTOMATIC OPERATION.

5.5.32.1 VERIFY RTAP shows OTP-CRL-PO-003 is in the correct GEA vault when delivered by the AGV.

5.5.32.2 VERIFY RTAP shows OTP-CRL-PO-004 is in the correct GEA vault when delivered by the AGV.

TE Initials/Date: OP 12/22/98
5.5.33 WHEN the GEA Operation for OTP-CRL-PO-003 is completed, VERIFY the AGV picks up OTP-CRL-PO-003 and delivers it to the Airlock Drum Transfer Conveyor, 104-CV-09-103A.

   TE Initials/Date: mZ/12/5/98

5.5.34 HALT OTP-CRL-PO-003 in Airlock by placing RTAP Airlock A Switch in MANUAL before drum reaches Process side photo eye.

   TE Initials/Date: mZ/12/5/98

5.5.35 PERFORM NDA data review.

   Computer Engineer Initials/Date: bZ/12/5/98

5.5.36 VERIFY LLW Drum OTP-CRL-PO-001 is delivered to 107-LT-09-202A, Drum Lift Table for LLW Entry Port.

   TE Initials/Date: mZ/12/5/98

5.5.37 VERIFY RTAP Display for OTP-CRL-PO-001 on both the Process Area Overview and the Lift Table Screens.

   Computer Engineer Initials/Date: mZ/12/5/98

5.5.38 SET Airlock A, RTAP AUTO/MANUAL Switch to AUTO.

   Computer Engineer Initials/Date: mZ/12/5/98

5.5.39 VERIFY LLW Drums OTP-CRL-PO-002 and OTP-CRL-PO-003 are delivered to the RWM Drum Storage Carousel, 107-CV-09-202.

   TE Initials/Date: mZ/12/5/98

5.5.40 VERIFY RTAP RWM Carousel Drum Table shows drums in "LLW ENTRY GB" Queue.

   Computer Engineer Initials/Date: mZ/12/5/98
5.5.41 WHEN the GEA Operation for OTP-CRL-PO-004 is completed, VERIFY the AGV picks up OTP-CRL-PO-004 and delivers it to NDE/NDA Drum Storage Carousel, 104-CV-09-102.

TE Initials/Date: 001 12/20/98

5.5.42 VERIFY on RTAP NDE/NDA Buffer Storage Carousel Drum Table that OTP-CRL-PO-004 appears in "Airlock to Proc" queue.

Computer Engineer Initials/Date: 001 12/20/98

5.5.43 READ the barcode label for LLW Drum OTP-CRL-PO-001 at 107-LT-09-202A, Drum Lift Table for LLW Entry Port.

TE Initials/Date: 001 1/24/98

5.5.44 VERIFY DMS data is correct for OTP-CRL-PO-001 and OTP-CRL-PI-001 using Tables XIX.4 and XX.4.

Computer Engineer Initials/Date: 001 2/29/98

5.5.45 MOVE LLW Drum OTP-CRL-PO-001 to the AGV end of 107-LT-09-202A, Drum Lift Table for LLW Entry Port.

TE Initials/Date: 001 10/18/97

5.5.46 PRESS the "CONTAMIN. DRUM READY FOR PICKUP" button on OIU-12-103A, Overpack Entry Menu, for LLW Drum OTP-CRL-PO-001.

TE Initials/Date: 001 10/18/97

5.5.47 VERIFY Process Area AGV picks up LLW Drum OTP-CRL-PO-001 and delivers to LLW Exit Port Lift Table, 107-LT-09-202C.

TE Initials/Date: 001 10/18/97

5.5.48 VERIFY RTAP Display for OTP-CRL-PO-001 on both the Process Area Overview and the Lift Table Screens.

Computer Engineer Initials/Date: 001 10/18/97
ATTACHMENT 4 - BALANCE OF PLANT COLD RUN TEST PLAN

5.5.49 SCAN OTP-CRL-PO-001 at LLW Exit Port Lift Table, 107-LT-09-202C.

TE Initials/Date: kp 1/15/97

5.5.50 VERIFY the following data on DMS for OTP-CRL-PO-001:

CONEXT USE CD = "PD"
RDET_SWTYPGROUP = "LLW"

Computer Engineer Initials/Date: bp 1/15/97

5.5.51 VERIFY Process Area AGV picks up OTP-CRL-PO-002 at the RWM Drum Storage Carousel, 107-CV-09-202, and delivers it to the Drum Lift Table for LLW Entry Port, 107-LT-09-202A.

TE Initials/Date: bp 1/15/97

5.5.52 VERIFY RTAP display for OTP-CRL-PO-002 on both the Process Area Overview and the Lift Table Screens.

Computer Engineer Initials/Date: bp 1/15/97

5.5.53 VERIFY RTAP RWM Carousel Drum Table shows OTP-CRL-PO-002 has been removed from "LLW Entry GB" queue.

Computer Engineer Initials/Date: bp 1/15/97

5.5.54 VERIFY NDE/NDA Area AGV picks up OTP-CRL-PO-004 from NDE/NDA Drum Storage Carousel, 104-CV-09-102, and delivers it to the Airlock Drum Transfer Conveyor, 104-CV-09-103A.

TE Initials/Date: dp 1/22/97

5.5.55 VERIFY on RTAP, OTP-CRL-PO-004 removed from NDE/NDA Carousel RTAP Drum Table "AIRLOCK TO PROC" queue.

Computer Engineer Initials/Date: dp 1/22/97

5.5.56 HALT OTP-CRL-PO-004 in Airlock by placing RTAP Airlock A Switch in MANUAL before drum reaches Process side photo eye.

TE Initials/Date: dp 1/22/97
5.5.57 PERFORM NDA data review.

   Computer Engineer Initials/Date:  

5.5.58 VERIFY OTP-CRL-PO-004 moves through the Airlock to the Process Area.

   TE Initials/Date:  

5.5.59 VERIFY Process Area AGV picks up OTP-CRL-PO-004 and delivers it to the RWM Drum Storage Carousel, 107-CV-09-202.

   TE Initials/Date:  

5.5.60 VERIFY OTP-CRL-PO-004 is added to the RWM Carousel "LLW Entry GB" queue in RTAP.

   Computer Engineer Initials/Date:  

5.5.61 READ the barcode label for LLW Drum OTP-CRL-PO-002 at 107-LT-09-202A, Drum Lift Table for LLW Entry Port.

   TE Initials/Date:  

5.5.62 VERIFY DMS data for LLW Drums OTP-CRL-PO-002 and OTP-CRL-PI-002 using Tables XXI.4 and XXII.4.

   Computer Engineer Initials/Date:  

5.5.63 MOVE LLW Drum OTP-CRL-PO-002 to the AGV end of 107-LT-09-202A, Drum Lift Table for LLW Entry Port.

   TE Initials/Date:  

5.5.64 PRESS the "CONTAMIN. DRUM READY FOR PICKUP" button on OIU-12-103A, Overpack Entry Menu, for LLW Drum OTP-CRL-PO-002.

   TE Initials/Date:  

5.5.65 VERIFY Process Area AGV picks up LLW Drum OTP-CRL-PO-002 and delivers to LLW/RWM Exit Port Lift Table, 107-LT-09-201D.

   TE Initials/Date:  
5.5.66 SCAN OTP-CRL-PO-002 at LLW/RWM Exit Port Lift Table: 107-LT-09-201D.

TE Initials/Date: 509 10/15/02

5.5.67 VERIFY the following DMS data:

CONEXT USE CD = "PD"
RDET_SRTYP_GROUP = "LLW"

Computer Engineer Initials/Date: 509 10/15/02

5.5.68 VERIFY Process Area AGV picks up OTP-CRL-PO-003 at the RWM Drum Storage Carousel, 107-CV-09-202, and delivers it to Drum Lift Table 107-LT-09-202A, for LLW Entry Port.

TE Initials/Date: 509 10/15/02

5.5.69 VERIFY OTP-CRL-PO-003 removed from RTAP RWM Carousel "LLW ENTR" GB" queue.

Computer Engineer Initials/Date: 509 10/15/02

5.5.70 READ the barcode label for LLW Drum OTP-CRL-PO-003 at 107-LT-09-202A, Drum Lift Table for LLW Entry Port.

TE Initials/Date: 540 10/15/02

5.5.71 VERIFY DMS data for LLW Drums OTP-CRL-PO-003 and OTP-CRL-PI-003 using Tables XXIII.4 and XXIV.4.

Computer Engineer Initials/Date: 540 10/15/02

5.5.72 MOVE LLW Drum OTP-CRL-PO-003 to the AGV end of 107-LT-09-202A, Drum Lift Table for LLW Entry Port.

TE Initials/Date: 540 10/15/02

5.5.73 PRESS the "CONTAMIN. DRUM READY FOR PICKUP" button on OIU-12-103A, Overpack Entry Menu, for LLW Drum OTP-CRL-PO-003.

TE Initials/Date: 540 10/15/02
5.5.74 VERIFY Process Area AGV picks up LLW Drum OTP-CRL-PO-003 and
delivers to the RWM Drum Storage Carousel, 107-CV-09-202.

    TE Initials/Date: 2098 10/10/87

5.5.75 VERIFY Process Area AGV picks up OTP-CRL-PO-004 at the RWM Drum
Storage Carousel, 107-CV-09-202, and delivers it to Drum Lift
Table for LLW Entry Port, 107-LT-09-202A.

    TE Initials/Date: 2098 10/10/87

5.5.76 VERIFY on RTAP, OTP-CRL-PO-003 is added to the RWM Carousel Drum
Table "LLW GEN EXIT" queue.

    Computer Engineer Initials/Date: 2098 10/10/87

5.5.77 VERIFY on RTAP, OTP-CRL-PO-004 is removed from the "LLW ENTRY
GB" queue.

    Computer Engineer Initials/Date: 2098 10/10/87

5.5.78 READ the barcode label for LLW Drum OTP-CRL-PO-004 at
107-LT-09-202A, Drum Lift Table for LLW Entry Port.

    TE Initials/Date: 2098 10/10/87

5.5.79 VERIFY DMS data for LLW Drums OTP-CRL-PO-004 and OTP-CRL-PI-004
using Tables XXV.4 and XXVI.4.

    Computer Engineer Initials/Date: 2098 10/10/87

5.5.80 MOVE LLW Drum OTP-CRL-PO-004 to the AGV end of 107-LT-09-202A,
Drum Lift Table for LLW Entry Port.

    TE Initials/Date: 2098 10/10/87

5.5.81 PRESS the "CLEAN DRUM READY FOR PICKUP" button on OIU-12-103A,
Overpack Entry Menu, for LLW Drum OTP-CRL-PO-004.

    TE Initials/Date: 2098 10/10/87
ATTACHMENT 4 - BALANCE OF PLANT COLD RUN TEST PLAN

5.5.82 VERIFY Process Area AGV picks up LLW Drum OTP-CRL-PO-004 and delivers to the Airlock Drum Transfer Conveyor, 107-CV-09-201B.

TE Initials/Date: 375 / 10/14/97

5.5.83 PLACE Airlock Drum Transfer Conveyor, 107-CV-09-201B, Control Switch in "MANUAL", per WRP1-OP-0503, MOVE WASTE DRUMS THROUGHOUT THE WRAP FACILITY.

TE Initials/Date: 375 / 10/14/97
5.6 PROCESS LLW WASTE DRUMS FROM PROCESS AREA TO ASRS

NOTE - This section applies only to drums exiting the Process Area from the following locations:

- Airlock Drum Transfer Conveyor, 107-CV-09-201B.
- LLW Exit Port, 107-DO-07-106 (Lift Table, 107-LT-09-202C)
- LLW/RWM Exit Port, 107-DO-07-203 (Lift Table, 107-LT-09-201D)
- LLW/RWM Exit Port, 107-DO-07-202 (Lift Table, 107-LT-09-201E)

5.6.1 ENSURE Airlock Drum Transfer Conveyor, 107-CV-09-201B, Control Switch in "MANUAL", per WRP1-OP-0503, MOVE WASTE DRUMS THROUGHOUT THE WRAP FACILITY.

TE Initials/Date: 

NOTE - OTP-CRL-PO-004, at this point in the test, is considered an uncontaminated, 85 Gallon Entry Exit Drum, from LLW Entry Port, 107-DO-07-101 (Lift Table, 107-LT-09-202A), on Process Route #103B.

5.6.2 REQUEST RCT to survey OTP-CRL-PO-004 (on Airlock Drum Transfer Conveyor, 107-CV-09-201B) for contamination.

TE Initials/Date: 

5.6.3 MOVE (in MANUAL) OTP-CRL-PO-004 on Airlock Drum Transfer Conveyor, 107-CV-09-201B, until drum breaks photo eye at the airlock door.

TE Initials/Date: 

5.6.4 PLACE Airlock Drum Transfer Conveyor, 107-CV-09-201B, Control Switch in "REMOTE", per WRP1-OP-0503, MOVE WASTE DRUMS THROUGHOUT THE WRAP FACILITY.

TE Initials/Date: 

THINK ALARA IN ALL WE DO
5.6.5 TRANSFER OTP-CRL-PO-004 through the Airlock to the NDE/NDA Area per WRP1-OP-0503, MOVE WASTE DRUMS THROUGHOUT THE WRAP FACILITY.

TE Initials/Date: 09-11/14/98

5.6.6 VERIFY OTP-CRL-PO-004 is delivered directly to the Drum Discharge Conveyor, 101-CV-05-102, by the AGV, when it exits the NDE/NDA side of the Airlock.

TE Initials/Date: 09-10/21/98

5.6.7 SCAN OTP-CRL-PO-004 at the Drum Discharge Conveyor Weight Scale.

TE Initials/Date: 09-10/25/98

5.6.8 REMOVE (manually using the drum lift device) OTP-CRL-PO-004 from the Drum Discharge Conveyor, 101-CV-05-102, and PLACE it in the Empty Drum Storage Area for shipping.

TE Initials/Date: 09-10/26/98

5.6.9 SCAN OTP-CRL-PO-004 at the Empty Drum Storage Area.

TE Initials/Date: 09-10/29/98

NOTE - OTP-CRL-PO-001, at this point in the test, is considered a newly filled, 85 Gallon Entry Exit Drum, from LLW Exit Port, 107-DO-07-106 (Lift Table, 107-LT-09-202C), on Process Route #102B.

5.6.10 RUN DMS script to load DMS data for filled waste drum, OTP-CRL-PO-001 using Table XX.5.

Computer Engineer Initials/Date: 10-06/11/98

5.6.11 PRESS the "DRUM READY FOR PICKUP" Button on OIU-12-103C. LLW Exit Port Menu.

TE Initials/Date: 09-10/14/98
ATTACHMENT 4 - BALANCE OF PLANT COLD RUN TEST PLAN

5.6.12 VERIFY AGV picks up OTP-CRL-PO-001 and delivers it to the Airlock Drum Transfer Conveyor, 107-CV-09-201B.

TE Initials/Date: 10/30/97

5.6.13 VERIFY AGV picks up OTP-CRL-PO-003 from the RWM Drum Storage Carousel, 107-CV-09-202.

TE Initials/Date: 10/30/97

5.6.14 VERIFY on the RTAP RWM Carousel Drum Table that the "LLW GEN EXIT" queue is empty.

Computer Engineer Initials/Date: 10/16/97

5.6.15 VERIFY AGV delivers OTP-CRL-PO-003 to LLW Exit Port, 107-DO-07-106 (Lift Table, 107-LT-09-202C).

TE Initials/Date: 10/30/97

5.6.16 REQUEST RCT to survey OTP-CRL-PO-001 (on Airlock Drum Transfer Conveyor, 107-CV-09-201B) for contamination and enter value on DMS Screen DMSS0315.

TE Initials/Date: 10/30/97

5.6.17 VERIFY DMS Data for OTP-CRL-PO-001 using Table XX.6.

Computer Engineer Initials/Date: 10/30/97

5.6.18 MOVE (in MANUAL) OTP-CRL-PO-001 on Airlock Drum Transfer Conveyor, 107-CV-09-201B, until drum breaks photo eye at the airlock door.

TE Initials/Date: 10/30/97

5.6.19 PLACE Airlock Drum Transfer Conveyor, 107-CV-09-201B, Control Switch in "REMOTE", per WRP1-OP-0503. MOVE WASTE DRUMS THROUGHOUT THE WRAP FACILITY.

TE Initials/Date: 10/30/97
5.6.20 TRANSFER OTP-CRL-PO-001 through the Airlock to the NDE/NDA Area per WRP1-OP-0503, MOVE WASTE DRUMS THROUGHOUT THE WRAP FACILITY.

TE Initials/Date: 12/21/96

5.6.21 VERIFY the AGV delivers OTP-CRL-PO-001 to a PAN Vault.

TE Initials/Date: 12/21/96

5.6.22 VERIFY OTP-CRL-PO-001 enters a PAN Vault and the Shield Door closes.

TE Initials/Date: 12/21/96

5.6.23 CONDUCT NDA Examination per WRP1-OP-0903, DRUM NON-DESTRUCTIVE ASSAY (NDA) AUTOMATIC OPERATION.

TE Initials/Date: 12/21/96

5.6.24 VERIFY RTAP shows OTP-CRL-PO-001 is in the correct GEA vault when delivered by the AGV.

TE Initials/Date: 12/21/96

5.6.25 WHEN the NDA Operation for OTP-CRL-PO-001 is completed, VERIFY the AGV picks up OTP-CRL-PO-001.

TE Initials/Date: 12/21/96

5.6.26 ESTOP AGV before OTP-CRL-PO-001 reaches the Drum Discharge Conveyor, 101-CV-05-102.

TE Initials/Date: 12/21/96

5.6.27 PERFORM NDA data review.

Computer Engineer Initials/Date: 12/21/96

5.6.28 SET PuFGE value for OTP-CRL-PO-001 to 1.0.

Computer Engineer Initials/Date: 12/21/96
NOTE - OTP-CRL-PO-002, at this point in the test, is considered a newly filled, 85 Gallon Entry Exit Drum, from LLW/RWM Exit Port, 107-DO-07-203 (Lift Table, 107-LT-09-201D), on Process Route #101B.

5.6.29 RUN DMS script to load DMS data for filled waste drum OTP-CRL-PO-002 using Table XXII.5.

Computer Engineer Initials/Date: 40 11/14/97

5.6.30 PRESS the "DRUM READY FOR PICKUP" Button on OIU-12-1058, LLW/RWM Port DO-07-203 Menu.

TE Initials/Date: 80 11/14/97

5.6.31 VERIFY AGV picks up OTP-CRL-PO-002 and delivers it to the Airlock Drum Transfer Conveyor, 107-CV-09-201B.

TE Initials/Date: 80 11/14/97

5.6.32 REQUEST RCT to survey OTP-CRL-PO-002 (on Airlock Drum Transfer Conveyor, 107-CV-09-201B) for contamination and enter BETA-GAMMA DOSE RATE AND SEAL NUMBER ON DMS SCREEN DM50 32B.

TE Initials/Date: 80 11/14/97

5.6.33 VERIFY DMS Data for OTP-CRL-PO-002 using Table XXII.6.

Computer Engineer Initials/Date: 40 10/20/41

5.6.34 TRANSFER OTP-CRL-PO-002 through the Airlock to the NDE/NDA Area per WRP1-OP-0503, MOVE WASTE DRUMS THROUGHOUT THE WRAP FACILITY.

TE Initials/Date: 40 11/14/97

5.6.35 VERIFY the following:

5.6.35.1 AGV delivers OTP-CRL-PO-002 to an NDE vault.
5.6.35.2 Transfer Conveyor positions drum.
5.6.35.3 Drum is transferred to the vault.
5.6.35.4 RTAP shows correct drum PIN and route.

TE Initials/Date: 40 10/20/41

THINK ALARA IN ALL WE DO
5.6.36 COMPLETE NDE Examination on OTP-CRL-PO-002 per WRP1-OP-0908, OPERATION OF THE DRUM NONDESTRUCTIVE EXAMINATION SYSTEM.

TE Initials/Date: 02/12/99

5.6.37 WHEN WRP1-OP-0908 directs the Radiographer to press "EXAM COMPLETE" button on the control console for the vault containing OTP-CRL-PO-002, THEN VERIFY the following:

5.6.37.1 OTP-CRL-PO-002 exits the NDE Vault.
5.6.37.2 The AGV picks up OTP-CRL-PO-002 from the NDE Vault Transfer Conveyor.
5.6.37.3 The AGV delivers OTP-CRL-PO-002 to a PAN Vault.

TE Initials/Date: 02/12/99

5.6.38 VERIFY OTP-CRL-PO-002 enters a PAN Vault and the Shield Door closes.

TE Initials/Date: 02/12/99

5.6.39 VERIFY RTAP shows OTP-CRL-PO-002 in correct PAN Vault.

Computer Engineer Initials/Date: 02/12/99

5.6.40 CONDUCT NDA Examination per WRP1-OP-0903, DRUM NON-DESTRUCTIVE ASSAY (NDA) AUTOMATIC OPERATION.

TE Initials/Date: 02/12/99

5.6.41 VERIFY RTAP shows OTP-CRL-PO-002 is in the correct GEA vault when delivered by the AGV.

TE Initials/Date: 02/12/99

5.6.42 WHEN the NDA Operation for OTP-CRL-PO-002 is completed, VERIFY the AGV picks up OTP-CRL-PO-002.

TE Initials/Date: 02/12/99

5.6.43 ESTOP AGV before OTP-CRL-PO-002 reaches the Drum Discharge Conveyor, 101-CV-05-102.

TE Initials/Date: 02/12/99
5.6.44 PERFORM NDA data review.

Computer Engineer Initials/Date: 6P 10/14/97

5.6.45 SET PuFG value for OTP-CRL-PO-002 to 1.0.

Computer Engineer Initials/Date: 30/12 10/20/97

NOTE - OTP-COLD-MT-09, at this point in the test, is considered a newly filled, 55 Gallon Entry Exit Drum, from LLW/RWM Exit Port, 107-00-07-202 (Lift Table, 107-LT-09-201E).

ENTER BETA-GAMMA DOSE RATE AND SEAL NUMBER ON DMS SCREEN DMSS0323.

5.6.46 RUN DMS script to load data for filled waste drum OTP-COLD-MT-09 using Table XII.5

Computer Engineer Initials/Date: 6P 10/14/97

5.6.47 PRESS the "DRUM READY FOR PICKUP" Button on OIU-12-105B, LLW/RWM Exit Port DO-07-202 Menu.

TE Initials/Date: 6P 10/14/97

5.6.48 VERIFY AGV picks up OTP-COLD-MT-09 and delivers it to Drum Lift Table for LLW Entry Port, 107-LT-09-202A.

TE Initials/Date: 6P 10/14/97

5.6.49 VERIFY RTAP indicates new location for OTP-COLD-MT-09 (Drum Lift Table for LLW Entry Port, 107-LT-09-202A).

Computer Engineer Initials/Date: 6P 10/14/97

5.6.50 SCAN OTP-COLD-MT-09 at Lift Table for LLW Entry Port, 107-LT-09-202A.

Computer Engineer Initials/Date: 6P 10/14/97

5.6.51 VERIFY DMS Data for OTP-COLD-MT-09 per Table XII.6

Computer Engineer Initials/Date: 6P 10/14/97
5.6.52 LOAD and WEIGH the drums listed below per WRP1-OP-0503, MOVE WASTE DRUMS THROUGHOUT THE WRAP FACILITY, section titled Load Drum Discharge Conveyor and Weigh Drums (Remote Mode):

- OTP-CRL-PO-001
- OTP-CRL-PO-002

TE Initials/Date: 10/20/97

5.6.53 VERIFY DMS data using Tables XX.7 (for OTP-CRL-PO-001), XXII.7 (for OTP-CRL-PO-002).

Computer Engineer Initials/Date: 10/20/97

5.6.54 STORE the drums listed below per WRP1-OP-0506, OPERATION OF THE AUTOMATED STACKER/RETRIEVER, section titled Store Drums From the Transfer Car, pending shipment:

- OTP-CRL-PO-001
- OTP-CRL-PO-002

TE Initials/Date: 10/20/97
ATTACHMENT 4 - BALANCE OF PLANT COLD RUN TEST PLAN

5.7 PROCESS TRU OVERPACK DRUMS FROM ASRS TO PROCESS AREA

5.7.1 REMOVE LLW Drum OTP-CRL-PO-003 from LLW Exit Port Lift Table, 107-LT-09-202C.

TE Initials/Date: 10/01/92

5.7.2 RETRIEVE the following TRU Waste Drums from ASRS using WRP1-OP-0506, OPERATION OF THE ASRS, section titled, Drum Retrieval to the Pallet Stand, subsection titled, Drums for Processing:

- OTP-CRT-PO-001
- OTP-CRT-PO-002
- OTP-CRT-PO-003
- OTP-CRT-PO-004

TE Initials/Date: 2/20/99

5.7.3 MOVE the following drums (using the Pallet Lift Truck) to the Jib Crane area:

- OTP-CRT-PO-001
- OTP-CRT-PO-002
- OTP-CRT-PO-003
- OTP-CRT-PO-004

TE Initials/Date: 1/21/99

5.7.4 LOAD the following drums onto the Drum Infeed Conveyor, 101-CV-05-101A, in order:

- OTP-CRT-PO-001
- OTP-CRT-PO-002
- OTP-CRT-PO-003
- OTP-CRT-PO-004

TE Initials/Date: 1/24/99
ATTACHMENT 4 - BALANCE OF PLANT COLD RUN TEST PLAN

5.7.5 VERIFY the following:
5.7.5.1 AGV delivers OTP-CRT-PO-001 to an NDE vault.
5.7.5.2 Transfer Conveyor positions drum.
5.7.5.3 Drum is transferred to the vault.
5.7.5.4 RTAP shows correct drum PIN and route.

TE Initials/Date: ___________ / __/2/99

5.7.6 VERIFY the following:
5.7.6.1 AGV delivers OTP-CRT-PO-002 to an NDE vault.
5.7.6.2 Transfer Conveyor positions drum.
5.7.6.3 Drum exits the vault.
5.7.6.4 RTAP shows correct drum PIN and route.

TE Initials/Date: ___________ / __/2/99

5.7.7 COMPLETE NDE Examination on OTP-CRT-PO-001 per WRP1-OP-0908, OPERATION OF THE DRUM NONDESTRUCTIVE EXAMINATION SYSTEM.

TE Initials/Date: ___________ / __/2/99

5.7.8 WHEN WRP1-OP-0908 directs the Radiographer to press "EXAM COMPLETE" button on the control console for the vault containing OTP-CRT-PO-001,
THEN VERIFY the following:
5.7.8.1 OTP-CRT-PO-001 exits the NDE Vault.
5.7.8.2 The AGV picks up OTP-CRT-PO-001 from the NDE Vault Transfer Conveyor.
5.7.8.3 The AGV delivers OTP-CRT-PO-001 to an NDA Vault.

TE Initials/Date: ___________ / __/2/99

5.7.9 COMPLETE NDE Examination on OTP-CRT-PO-002 per WRP1-OP-0908, OPERATION OF THE DRUM NONDESTRUCTIVE EXAMINATION SYSTEM.

TE Initials/Date: ___________ / __/2/99
5.7.10 WHEN WRP1-OP-0908 directs the Radiographer to press "EXAM COMPLETE" button on the control console for the vault containing OTP-CRT-PO-002, THEN VERIFY the following:

5.7.10.1 OTP-CRT-PO-002 exits the NDE Vault.
5.7.10.2 The AGV picks up OTP-CRT-PO-002 from the NDE Vault Transfer Conveyor.
5.7.10.3 The AGV delivers OTP-CRT-PO-002 to a PAN Vault.

TE Initials/Date: 20/12/95

5.7.11 VERIFY OTP-CRT-PO-001 enters a PAN Vault and the Shield Door closes.

TE Initials/Date: 20/12/95

5.7.12 VERIFY RTAP shows OTP-CRT-PO-001 in correct PAN Vault.

Computer Engineer Initials/Date: 20/12/95

5.7.13 VERIFY OTP-CRT-PO-002 enters a PAN Vault and the Shield Door closes.

TE Initials/Date: 20/12/95

5.7.14 VERIFY RTAP shows OTP-CRT-PO-002 in correct PAN Vault.

Computer Engineer Initials/Date: 20/12/95

5.7.15 CONDUCT NDA Examination per WRP1-OP-0903, DRUM NON-DESTRUCTIVE ASSAY (NDA) AUTOMATIC OPERATION.

5.7.15.1 VERIFY RTAP shows OTP-CRT-PO-001 is in the correct GEA vault when delivered by the AGV.

5.7.15.2 VERIFY RTAP shows OTP-CRT-PO-002 is in the correct GEA vault when delivered by the AGV.

TE Initials/Date: 20/12/95
5.7.16 WHEN the GEA Operation for OTP-CRT-PO-001 is completed, VERIFY the AGV picks up OTP-CRT-PO-001 and delivers it to the Airlock Drum Transfer Conveyor, 104-CV-09-103A.

TE Initials/Date:  

5.7.17 HALT OTP-CRT-PO-001 in Airlock by placing RTAP Airlock A Switch in MANUAL before drum reaches Process side photo eye.

TE Initials/Date:  

5.7.18 SET DMS Pu FGE Value to NULL.

Computer Engineer Initials/Date:  

5.7.19 WHEN the GEA Operation for OTP-CRT-PO-002 is completed, VERIFY the AGV picks up OTP-CRT-PO-002 and delivers it to the Airlock Drum Transfer Conveyor, 104-CV-09-103A.

TE Initials/Date:  

5.7.20 HALT OTP-CRT-PO-002 in Airlock by placing RTAP Airlock A Switch in MANUAL before drum reaches Process side photo eye.

TE Initials/Date:  

5.7.21 PERFORM NDA data review.

Computer Engineer Initials/Date:  

5.7.22 SET DMS Pu FGE Value to 10.0.

Computer Engineer Initials/Date:  

5.7.23 VERIFY the following:

5.7.23.1 AGV delivers OTP-CRT-PO-003 to an NDE vault.
5.7.23.2 Transfer Conveyor positions drum.
5.7.23.3 Drum is transferred to the vault.
5.7.23.4 RTAP shows correct drum PIN and route.

TE Initials/Date:  

THINK ALARM IN ALL WE DO
**ATTACHMENT 4 - BALANCE OF PLANT COLD RUN TEST PLAN**

5.7.24 **VERIFY** the following:
- 5.7.24.1 AGV delivers OTP-CRT-PO-004 to an NDE vault.
- 5.7.24.2 Transfer Conveyor positions drum.
- 5.7.24.3 Drum is transferred to the vault.
- 5.7.24.4 RTAP shows correct drum PIN and route.

TE Initials/Date: __/__/2023

5.7.25 **COMPLETE** NDE Examination on OTP-CRT-PO-003 per WRP1-OP-0908, OPERATION OF THE DRUM NONDESTRUCTIVE EXAMINATION SYSTEM.

TE Initials/Date: __/__/2023

5.7.26 **WHEN** WRP1-OP-0908 directs the Radiographer to press "EXAM COMPLETE" button on the control console for the vault containing OTP-CRT-PO-003, THEN **VERIFY** the following:
- 5.7.26.1 OTP-CRT-PO-003 exits the NDE Vault.
- 5.7.26.2 The AGV picks up OTP-CRT-PO-003 from the NDE Vault Transfer Conveyor.
- 5.7.26.3 The AGV delivers OTP-CRT-PO-003 to a PAN Vault.

TE Initials/Date: __/__/2023

5.7.27 **COMPLETE** NDE Examination on OTP-CRT-PO-004 per WRP1-OP-0908, OPERATION OF THE DRUM NONDESTRUCTIVE EXAMINATION SYSTEM.

TE Initials/Date: __/__/2023

5.7.28 **WHEN** WRP1-OP-0908 directs the Radiographer to press "EXAM COMPLETE" button on the control console for the vault containing OTP-CRT-PO-004, THEN **VERIFY** the following:
- 5.7.28.1 OTP-CRT-PO-004 exits the NDE Vault.
- 5.7.28.2 The AGV picks up OTP-CRT-PO-004 from the NDE Vault Transfer Conveyor.
- 5.7.28.3 The AGV delivers OTP-CRT-PO-004 to a PAN Vault.

TE Initials/Date: __/__/2023
5.7.29 VERIFY OTP-CRT-PO-003 enters a PAN Vault and the Shield Door closes.

TE Initials/Date: \( \text{TE Initials/Date: } \) \text{TE Initials/Date: } 02 \( \text{TE Initials/Date: } \) \text{TE Initials/Date: } 2/5/86

5.7.30 VERIFY OTP-CRT-PO-004 enters a PAN Vault and the Shield Door closes.

TE Initials/Date: \( \text{TE Initials/Date: } \) \text{TE Initials/Date: } 02 \( \text{TE Initials/Date: } \) \text{TE Initials/Date: } 2/2/86

5.7.31 CONDUCT NDA Examination per WRP1-OP-0903, DRUM NON-DESTRUCTIVE ASSAY (NDA) AUTOMATIC OPERATION.

5.7.31.1 VERIFY RTAP shows OTP-CRT-PO-003 is in the correct GEA vault when delivered by the AGV.

5.7.31.2 VERIFY RTAP shows OTP-CRT-PO-004 is in the correct GEA vault when delivered by the AGV.

TE Initials/Date: \( \text{TE Initials/Date: } \) \text{TE Initials/Date: } 02 \( \text{TE Initials/Date: } \) \text{TE Initials/Date: } 2/2/86

5.7.32 WHEN the GEA Operation for OTP-CRT-PO-003 is completed, VERIFY the AGV picks up OTP-CRT-PO-003 and delivers it to the Airlock Drum Transfer Conveyor, 104-CV-09-103A.

TE Initials/Date: \( \text{TE Initials/Date: } \) \text{TE Initials/Date: } 02 \( \text{TE Initials/Date: } \) \text{TE Initials/Date: } 2/6/86

5.7.33 HALT OTP-CRT-PO-003 in Airlock by placing RTAP Airlock A Switch in MANUAL before drum reaches Process side photo eye.

TE Initials/Date: \( \text{TE Initials/Date: } \) \text{TE Initials/Date: } 02 \( \text{TE Initials/Date: } \) \text{TE Initials/Date: } 10/31/86

5.7.34 PERFORM NDA data review.

Computer Engineer Initials/Date: \( \text{Computer Engineer Initials/Date: } \) \text{Computer Engineer Initials/Date: } 02 \( \text{Computer Engineer Initials/Date: } \) \text{Computer Engineer Initials/Date: } 2/5/86

5.7.35 SET DMS Pu FGE Value to 10.0.

Computer Engineer Initials/Date: \( \text{Computer Engineer Initials/Date: } \) \text{Computer Engineer Initials/Date: } 02 \( \text{Computer Engineer Initials/Date: } \) \text{Computer Engineer Initials/Date: } 10/31/86

5.7.36 SET Airlock A, RTAP AUTO/MANUAL Switch to AUTO.

Computer Engineer Initials/Date: \( \text{Computer Engineer Initials/Date: } \) \text{Computer Engineer Initials/Date: } 02 \( \text{Computer Engineer Initials/Date: } \) \text{Computer Engineer Initials/Date: } 10/31/86
5.7.37 VERIFY TRU Drum OTP-CRT-PO-001 is delivered to 107-LT-09-202B, Drum Lift Table for TRU Entry Port.

TE Initials/Date: 30P 10/24/92

5.7.38 VERIFY DMS alarm "Pu FGE Value Null" is received when OTP-CRT-PO-001 reaches Airlock A3.

Computer Engineer Initials/Date: \(\text{SPA} \quad 10/24/92\)

5.7.39 VERIFY RTAP Display for OTP-CRL-PO-001 on both the Process Area Overview and the Lift Table Screens.

Computer Engineer Initials/Date: 30P 10/24/92

5.7.40 VERIFY TRU Drums OTP-CRT-PO-002 and OTP-CRT-PO-003 are delivered to the RWM Drum Storage Carousel, 107-CV-09-202.

TE Initials/Date: 30P 10/24/92

5.7.41 VERIFY TRU Drums OTP-CRT-PO-002 and OTP-CRT-PO-003 are displayed in the "TRU ENTRY GB" queue in RTAP Drum Carousel Table.

Computer Engineer Initials/Date: 30P 10/24/92

5.7.42 WHEN the NDA Operation for OTP-CRT-PO-004 is completed, VERIFY the AGV picks up OTP-CRT-PO-004 and delivers it to NDE/NDA Drum Storage Carousel, 104-CV-09-102.

TE Initials/Date: 30P 12/20/92

5.7.43 VERIFY on RTAP NDE/NDA Carousel Drum Table, OTP-CRT-PO-004 is added to "AIRLOCK FOR PROC" queue.

Computer Engineer Initials/Date: SPA 12/20/92

5.7.44 READ the barcode label for TRU Drum OTP-CRT-PO-001 at 107-LT-09-202B, Drum Lift Table for TRU Entry Port.

TE Initials/Date: 30P 12/20/92
ATTACHMENT 4 - BALANCE OF PLANT COLD RUN TEST PLAN

5.7.45 VERIFY DMS alarm "Pu FGE Value Null" is received.

    Computer Engineer Initials/Date: JQG /10/30/97

5.7.46 VERIFY on DMS, "CONEXT_RADMAT_ID" and "RADMAT_RAD_TOTAL" are unchanged.

    Computer Engineer Initials/Date: JQG /10/30/97

5.7.47 CHANGE PuFGE to 10.0 and RE-READ the barcode label at 107-LT-09-202B, Drum Lift Table for TRU Entry Port.

    Computer Engineer Initials/Date: JQG /10/30/97

5.7.48 VERIFY DMS Data for OTP-CRL-PO-001 and OTP-CRL-PI-001 using Tables XXVII.4 and XXVIII.4.

    Computer Engineer Initials/Date: JQG /10/30/97

5.7.49 MOVE TRU Drum OTP-CRT-PO-001 to the AGV end of 107-LT-09-202B, Drum Lift Table for TRU Entry Port.

    TE Initials/Date: JQG /10/30/97

5.7.50 PRESS the "CONTAMIN. DRUM READY FOR PICKUP" button on OIU-12-104A, Overpack Entry Menu, for TRU Drum OTP-CRT-PO-001.

    TE Initials/Date: JQG /10/30/97

5.7.51 VERIFY Process Area AGV picks up LLW Drum OTP-CRT-PO-001 and delivers to LLW Exit Port Lift Table, 107-LT-09-202C.

    TE Initials/Date: JQG /10/30/97

5.7.52 SCAN OTP-CRT-PO-001 at LLW Exit Port Lift Table, 107-LT-09-202C.

    TE Initials/Date: JQG /10/30/97

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THINK ALARA IN ALL WE DO
5.7.53 VERIFY the following data on DMS for OTP-CRT-PO-001:

CONEXT_USE_CD = "PD"
RDET_SWTP_GROUP = "TRU"

Computer Engineer Initials/Date: ____________ 10/20/97

5.7.54 VERIFY Process Area AGV picks up OTP-CRT-PO-002 at the RWM Drum Storage Carousel, 107-CV-09-202, and delivers it to Drum Lift Table for TRU Entry Port, 107-LT-09-202B.

TE Initials/Date: ____________ 10/20/97

5.7.55 VERIFY OTP-CRT-PO-002 is removed from the RTAP RWM Carousel "TRU Entry GB" queue.

Computer Engineer Initials/Date: ____________ 10/20/97

5.7.56 VERIFY NDE/NDA Area AGV picks up OTP-CRT-PO-004 from NDE/NDA Drum Storage Carousel, 104-CV-09-102, and delivers it to the Airlock Drum Transfer Conveyor, 104-CV-09-103A.

TE Initials/Date: ____________ 10/20/97

5.7.57 HALT OTP-CRT-PO-004 in Airlock by placing RTAP Airlock A Switch in MANUAL before drum reaches Process side photo eye.

TE Initials/Date: ____________ 10/20/97

5.7.58 PERFORM NDA data review for OTP-CRT-PO-004.

Computer Engineer Initials/Date: ____________ 10/20/97

5.7.59 SET PuFGE value for OTP-CRT-PO-004 to 10.0.

Computer Engineer Initials/Date: ____________ 10/20/97

5.7.60 VERIFY OTP-CRT-PO-004 is removed from the "FOR PROC" queue in RTAP NDE/NDA Carousel Drum Table.

Computer Engineer Initials/Date: ____________ 10/20/97
5.7.61 SET RTAP AUTO/MANUAL Switch for Airlock A to AUTO.

Computer Engineer Initials/Date: 10/30/92

5.7.62 VERIFY OTP-CRT-PO-004 moves through the Airlock to the Process Area.

TE Initials/Date: 10/30/92

5.7.63 VERIFY Process Area AGV picks up OTP-CRT-PO-004 and delivers it to the RWM Drum Storage Carousel, 107-CV-09-202.

TE Initials/Date: 10/30/92

5.7.64 VERIFY RTAP shows OTP-CRT-PO-004 is in the RWM Carousel "TRU ENTRY GB" queue.

Computer Engineer Initials/Date: 10/30/92

5.7.65 READ the barcode label for LLW Drum OTP-CRL-PO-002 at 107-LT-09-202B, Drum Lift Table for TRU Entry Port.

TE Initials/Date: 10/30/92

5.7.66 VERIFY DMS Data for OTP-CRL-PO-002 and OTP-CRL-PI-002 using Tables XXIX.4 and XXX.4.

Computer Engineer Initials/Date: 10/30/92

5.7.67 MOVE TRU Drum OTP-CRT-PO-002 to the AGV end of 107-LT-09-202B, Drum Lift Table for TRU Entry Port.

TE Initials/Date: 10/30/92

5.7.68 PRESS the "CONTAMIN. DRUM READY FOR PICKUP" button on OIU-12-104A, Overpack Entry Menu, for TRU Drum OTP-CRT-PO-002.

TE Initials/Date: 10/30/92
ATTACHMENT 4 - BALANCE OF PLANT COLD RUN TEST PLAN

5.7.69 VERIFY Process Area AGV picks up TRU Drum OTP-CRT-PO-002 and delivers to LLW/RWM Exit Port Lift Table, 107-LT-09-201D.

TE Initials/Date: 5Y0 11/30/97

5.7.70 SCAN OTP-CRT-PO-002 at LLW/RWM Exit Port Lift Table, 107-LT-09-201D.

TE Initials/Date: 5Y0 11/30/97

5.7.71 VERIFY the following data on DMS for OTP-CRT-PO-002:

- CONEXT USE CD = "PD"  LLW
- RDET_SWTYP_GROUP = "TRU"

Computer Engineer Initials/Date: 5Y0 11/30/97

5.7.72 VERIFY Process Area AGV picks up OTP-CRT-PO-003 at the RWM Drum Storage Carousel, 107-CV-09-202, and delivers it to Drum Lift Table for TRU Entry Port, 107-LT-09-202B.

TE Initials/Date: 5Y0 11/30/97

5.7.73 VERIFY OTP-CRT-PO-003 is removed from the "TRU ENTRY GB" queue in RTAP RWM Carousel Drum Table.

Computer Engineer Initials/Date: 5Y0 11/30/97

5.7.74 READ the barcode label for TRU Drum OTP-CRT-PO-003 at 107-LT-09-202B, Drum Lift Table for TRU Entry Port.

TE Initials/Date: 5Y0 11/30/97

5.7.75 VERIFY DMS Data for OTP-CRT-PO-003 and OTP-CRT-PI-003 using Tables XXXVI.4 and XXXII.4.

Computer Engineer Initials/Date: 5Y0 11/30/97

5.7.76 MOVE TRU Drum OTP-CRT-PO-003 to the AGV end of 107-LT-09-202B, Drum Lift Table for TRU Entry Port.

TE Initials/Date: 5Y0 11/30/97
5.7.77 PRESS the "CONTAMIN. DRUM READY FOR PICKUP" button on OIU-12-104A, Overpack Entry Menu, for TRU Drum OTP-CRT-PO-003.

TE Initials/Date: \(\_\_P / 10/30/77\)

5.7.78 VERIFY Process Area AGV picks up TRU Drum OTP-CRT-PO-003 and delivers to the RWM Drum Storage Carousel, 107-CV-09-202.

TE Initials/Date: \(\_\_P / 10/30/77\)

5.7.79 VERIFY RTAP shows OTP-CRT-PO-003 is in the RWM Carousel Drum Table "LLW GEN EXIT" queue.

Computer Engineer Initials/Date: \(\_\_P / 10/30/77\)

5.7.80 VERIFY Process Area AGV picks up OTP-CRT-PO-004 at the RWM Drum Storage Carousel, 107-CV-09-202, and delivers it to Drum Lift Table for TRU Entry Port, 107-LT-09-202B.

TE Initials/Date: \(\_\_P / 10/30/77\)

5.7.81 VERIFY OTP-CRT-PO-004 is removed from the "TRU ENTRY GB" queue in RTAP RWM Carousel Drum Table.

Computer Engineer Initials/Date: \(\_\_P / 10/30/77\)

5.7.82 READ the barcode label for TRU Drum OTP-CRT-PO-004 at 107-LT-09-202B, Drum Lift Table for LLW Entry Port.

TE Initials/Date: \(\_\_P / 10/30/77\)

5.7.83 VERIFY DMS Data for OTP-CRT-PO-004 and OTP-CRT-PI-004 using Tables XXXIII.4 and XXXIV.4.

Computer Engineer Initials/Date: \(\_\_P / 10/30/77\)

5.7.84 MOVE TRU Drum OTP-CRT-PO-004 to the AGV end of 107-LT-09-202B, Drum Lift Table for TRU Entry Port.

TE Initials/Date: \(\_\_P / 10/30/77\)
ATTACHMENT 4 - BALANCE OF PLANT COLD RUN TEST PLAN

5.8 PROCESS TRU WASTE DRUMS FROM PROCESS AREA TO ASRS

NOTE - The following steps apply only to drums exiting the Process Area from the following locations:

- TRU Exit Port, 107-DO-07-309 (Lift Table, 107-LT-09-202D)
- TRU Exit Port, 107-DO-07-310 (Lift Table, 107-LT-09-202E)
- TRW Exit Port, 107-DO-07-402B (Lift Table, 107-LT-09-201D)
- TRW Exit Port, 107-DO-07-402A (Lift Table, 107-LT-09-201E)
- TRU Compacted Empty Drum Loadout Port, 107-DO-07-308 (Lift Table, 107-LT-09-203C)

5.8.1 ENSURE Airlock Drum Transfer Conveyor, 107-CV-09-201B, Control Switch in "REMOTE", per WRP1-OP-0503, MOVE WASTE DRUMS THROUGHOUT THE WRAP FACILITY.

TE Initials/Date: 3/28/97

NOTE - OTP-CRT-PO-004, at this point in the test, is considered an uncontaminated, 85 Gallon Entry Exit Drum, from TRU Entry Port, 107-DO-07-301 (Lift Table, 107-LT-09-202B), on Process Route #103B.

5.8.2 PRESS the "CLEAN DRUM READY FOR PICKUP" button on OIU-12-104A, Overpack Entry Menu, for TRU Drum OTP-CRT-PO-004.

TE Initials/Date: 3/28/97

5.8.3 VERIFY Process Area AGV picks up TRU Drum OTP-CRT-PO-004 and delivers to the Airlock Drum Transfer Conveyor, 107-CV-09-201B.

TE Initials/Date: 3/28/97

5.8.4 REQUEST RCT to survey OTP-CRT-PO-004 (on Airlock Drum Transfer Conveyor, 107-CV-09-201B) for contamination.

TE Initials/Date: 3/28/97
5.8.5 TRANSFER OTP-CRT-PO-004 through the Airlock to the NDE/NDA Area per WRPI-OP-0503, MOVE WASTE DRUMS THROUGHOUT THE WRAP FACILITY.

TE Initials/Date: 305A 11/5/97

5.8.6 VERIFY OTP-CRT-PO-004 is delivered directly to the Drum Discharge Conveyor, 101-CV-05-102, by the AGV, when it exits the NDE/NDA side of the Airlock.

TE Initials/Date: 305A 11/5/97

5.8.7 SCAN OTP-CRT-PO-004 at Drum Discharge Conveyor Weight Scale.

TE Initials/Date: 305A 11/5/97

5.8.8 REMOVE (manually using the drum lift device) OTP-CRT-PO-004 from the Drum Discharge Conveyor, 101-CV-05-102, and PLACE it in the Empty Drum Storage Area for shipping.

SHIPPING

TE Initials/Date: SPA 11/5/97

5.8.9 SCAN OTP-CRT-PO-004 at Empty Drum Storage

SPA 2/11/98

SPA 2/11/98

VERIFIED THAT CRT-PO-004 SHOWS CORRECT LOCATION SPA 11/5/97

NOTE - OTP-COLD-MT-01 at this point in the test is at TRU Exit Port, 107-DO-07-309 (Lift Table, 107-LT-09-2020).

5.8.10 RUN DMS script to simulate OTP-COLD-MT-01 filled with TRU waste using Table IV.5.

Computer Engineer Initials/Date: 3-80 10/13/92

5.8.11 PRESS the "DRUM READY FOR PICKUP" button on OIU-12-104D, Port DO-07-309 Menu, for Drum OTP-COLD-MT-01.

TE Initials/Date: 305A 10/13/92
5.8.12 VERIFY Process Area AGV performs the following:

5.8.12.1 Picks up Empty One Trip Drum OTP-COLD-MT-05 at the Empty Drum Staging Conveyor, 107-CV-09-204.
5.8.12.2 Picks up OTP-COLD-MT-01 at TRU Exit Port, 107-DO-07-309 (Lift Table, 107-LT-09-202D).
5.8.12.3 Proceeds to AGV Hold Point.

TE Initials/Date: 29F 10/12/97

5.8.13 WHEN AGV Reaches AGV Hold Point, THEN SELECT on OIU-12-104A in order.

5.8.13.1 "MAIN MENU"
5.8.13.2 "ENTRY HOLD POINT MENU"
5.8.13.3 "ADVANCE AGV"
5.8.13.4 "RELEASE AGV"

TE Initials/Date: 9Ad 10/12/97

5.8.14 VERIFY AGV delivers OTP-COLD-MT-05 to TRU Exit Port, 107-DO-07-309 (Lift Table, 107-LT-09-202D).

TE Initials/Date: 29F 10/12/97

5.8.15 SCAN OTP-COLD-MT-05 at TRU Exit Port, 107-DO-07-309 (Lift Table, 107-LT-09-202D).

TE Initials/Date: 9Ad 10/12/97

5.8.16 VERIFY AGV delivers OTP-COLD-MT-01 to the Airlock Drum Transfer Conveyor, 107-CV-09-201B.

TE Initials/Date: 9Ad 10/12/97

5.8.17 REQUEST RCT to survey OTP-COLD-MT-01 (on Airlock Drum Transfer Conveyor, 107-CV-09-201B) for contamination and enter dose rate and seal number on DMS Screen, DMSS0335.

TE Initials/Date: 9Ad 10/12/97

5.8.18 VERIFY DMS Data for OTP-COLD-MT-01 using Table IV.6.

Computer Engineer Initials/Date: 9Ad 10/12/97
5.8.19 TRANSFER OTP-COLD-MT-01 through the Airlock to the NDE/NDA Area per WRP1-OP-0503. MOVE WASTE DRUMS THROUGHOUT THE WRAP FACILITY.

TE Initials/Date: /26/47

5.8.20 VERIFY the following:

5.8.20.1 AGV delivers OTP-COLD-MT-01 to an NDE vault.
5.8.20.2 Transfer Conveyor positions drum.
5.8.20.3 Drum is transferred to the vault.
5.8.20.4 RTAP shows correct drum PIN and route.

TE Initials/Date: 12/2/48

5.8.21 COMPLETE NDE Examination on OTP-COLD-MT-01 per WRP1-OP-0908. OPERATION OF THE DRUM NONDESTRUCTIVE EXAMINATION SYSTEM. DO NOT press the "Exam Complete" button.

TE Initials/Date: 12/2/48

NOTE - The reason for NOT pressing the "EXAM COMPLETE" button in the following step is to allow for checking the location defaults for the NDE/NDA Carousel.

5.8.22 WHEN WRP1-OP-0908 directs the Radiographer to press "EXAM COMPLETE" button on the control console for the vault containing OTP-COLD-MT-01. DO NOT PRESS "EXAM COMPLETE".

TE Initials/Date: 12/2/48

NOTE - OTP-COLD-MT-02 at this point in the test is at TRU Exit Port, 107-DO-07-310 (Lift Table, 107-LT-09-202E).

5.8.23 RUN DMS script to simulate OTP-COLD-MT-02 filled with TRU waste using Table V.5.

Computer Engineer Initials/Date: 1/07/47

5.8.24 PRESS the "DRUM READY FOR PICKUP" button on OIU-12-104D, Port DO-07-310 Menu, for Drum OTP-COLD-MT-02.

TE Initials/Date: /26/47
5.8.25 VERIFY Process Area AGV performs the following:

5.8.25.1 Picks up Empty One Trip Drum OTP-COLD-MT-06 at the Empty Drum Staging Conveyor, 107-CV-09-204.
5.8.25.2 Picks up OTP-COLD-MT-02 at TRU Exit Port, 107-DO-07-310 (Lift Table, 107-LT-09-202E).
5.8.25.3 Proceeds to AGV Hold Point.

5.8.26 WHEN AGV Reaches AGV Hold Point, THEN SELECT on OIU-12-104A in order,

5.8.26.1 "MAIN MENU"
5.8.26.2 "ENTRY HOLD POINT MENU"
5.8.26.3 "ADVANCE AGV"
5.8.26.4 "RELEASE AGV"

5.8.27 VERIFY AGV delivers OTP-COLD-MT-06 to TRU Exit Port, 107-DO-07-310 (Lift Table, 107-LT-09-202E).

5.8.28 SCAN OTP-COLD-MT-06 at TRU Exit Port, 107-DO-07-310 (Lift Table, 107-LT-09-202E).

5.8.29 VERIFY AGV delivers OTP-COLD-MT-02 to the Airlock Drum Transfer Conveyor, 107-CV-09-201B.

5.8.30 REQUEST RCT to survey OTP-COLD-MT-02 (on Airlock Drum Transfer Conveyor, 107-CV-09-201B) for contamination and enter beta-gamma dose rate and seal number on DMS Screen DMSS0335.

5.8.31 VERIFY DMS Data for OTP-COLD-MT-02 using Table V.6.

Computer Engineer Initials/Date: [Signature] 1/10/1997
5.8.32 TRANSFER OTP-COLD-MT-02 through the Airlock to the NDE/NDA Area per WRP1-OP-0503, MOVE WASTE DRUMS THROUGHOUT THE WRAP FACILITY.

TE Initials/Date: 10/12/57

5.8.33 VERIFY the following:

5.8.33.1 AGV delivers OTP-COLD-MT-02 to an NDE vault.
5.8.33.2 Transfer Conveyor positions drum.
5.8.33.3 Drum is transferred to the vault.
5.8.33.4 RTAP shows correct drum PIN and route.

TE Initials/Date: 12/20/87

5.8.34 COMPLETE NDE Examination on OTP-COLD-MT-02 per WRP1-OP-0908, OPERATION OF THE DRUM NONDESTRUCTIVE EXAMINATION SYSTEM. DO NOT press the "EXAM COMPLETE" button.

TE Initials/Date: 12/20/87

NOTE - The reason for NOT pressing the "EXAM COMPLETE" button in the following step is to allow for checking the location defaults for the NDE/NDA Carousel.

5.8.35 WHEN WRP1-OP-0908 directs the Radiographer to press "EXAM COMPLETE" button on the control console for the vault containing OTP-COLD-MT-02, DO NOT PRESS "EXAM COMPLETE".

TE Initials/Date: 12/20/87

5.8.36 RUN script to simulate OTP-COLD-MT-03 filled with TRU waste using Table VI.5.

Computer Engineer Initials/Date: 10/14/87

5.8.37 PRESS the "DRUM READY FOR PICKUP" button on OIU-12-106B, Port 107-DO-07-402B Menu, for Drum OTP-COLD-MT-03.

TE Initials/Date: 10/14/87
5.8.38 VERIFY Process Area AGV performs the following:

5.8.38.1 Picks up Empty One Trip Drum OTP-COLD-MT-07 at the Empty Drum Staging Conveyor, 107-CV-09-204.
5.8.38.2 Picks up OTP-COLD-MT-03 at TRU/RWM Exit Port, 107-DO-07-4023A (Lift Table, 107-LT-09-201A).
5.8.38.3 Proceeds to AGV Hold Point.

5.8.39 WHEN AGV Reaches AGV Hold Point, THEN SELECT on OIU-12-104A in order:

5.8.39.1 "MAIN MENU"
5.8.39.2 "ENTRY HOLD POINT MENU"
5.8.39.3 "ADVANCE AGV"
5.8.39.4 "RELEASE AGV"

5.8.40 VERIFY AGV delivers OTP-COLD-MT-03 to the Airlock Drum Transfer Conveyor, 107-CV-09-201B.

5.8.41 SCAN OTP-COLD-MT-07 at TRU/RWM Exit Port, 107-DO-07-4023A (Lift Table, 107-LT-09-201A).

5.8.42 REQUEST RCT to survey OTP-COLD-MT-03 (on Airlock Drum Transfer Conveyor, 107-CV-09-201B) for contamination and enter beta-gamma dose rate and seal number on DMS Screen DMSS0348.

5.8.43 REQUEST RCT to survey OTP-COLD-MT-07 (on Airlock Drum Transfer Conveyor, 107-CV-09-201A) for contamination and enter beta-gamma dose rate and seal number on DMS Screen DMSS0348.
ATTACHMENT 4 - BALANCE OF PLANT COLD RUN TEST PLAN

5.8.44 VERIFY weight percents have been calculated for hazardous components using Table VI.6.

Computer Engineer Initials/Date: 0012/3/98

5.8.45 TRANSFER OTP-COLD-MT-03 through the Airlock to the NDE/NDA Area per WRP1-OP-0503, MOVE WASTE DRUMS THROUGHOUT THE WRAP FACILITY.

TE Initials/Date: 1812/20/98

5.8.46 VERIFY OTP-COLD-MT-03 is delivered to the NDE/NDA Drum Storage Carousel, 104-CV-09-102.

TE Initials/Date: 0012/20/98

5.8.47 VERIFY RTAP Display for OTP-COLD-MT-03 on NDE/NDA Carousel Drum Table "NDE" queue.

Computer Engineer Initials/Date: 0012/20/98

5.8.48 RUN script to simulate OTP-COLD-MT-04 filled with TRU waste using Table VII.5.

Computer Engineer Initials/Date: 0010/20/98

5.8.49 PRESS the "DRUM READY FOR PICKUP" button on OIU-12-106B, Port 107-DO-07-402A Menu, for Drum OTP-COLD-MT-04.

TE Initials/Date: 1010/14/98

5.8.50 VERIFY Process Area AGV performs the following:

5.8.50.1 Picks up Empty One Trip Drum OTP-COLD-MT-08 at the Empty Drum Staging Conveyor, 107-CV-09-204.

SPA 11/18

5.8.50.2 Picks up OTP-COLD-MT-04 at TRU/RWM Exit Port, 107-DO-07-402A(Lift Table, 107-LT-09-2018)

SPA 11/18

5.8.50.3 Proceeds to AGV Hold Point.

SPA 11/18

TE Initials/Date: 1010/14/98

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ATTACHMENT 4 - BALANCE OF PLANT COLD RUN TEST PLAN

5.8.51 WHEN AGV Reaches AGV Hold Point, THEN SELECT on OIU-12-104A in order,

5.8.51.1 "MAIN MENU"
5.8.51.2 "ENTRY HOLD POINT MENU"
5.8.51.3 "ADVANCE AGV"
5.8.51.4 "RELEASE AGV"

TE Initials/Date: 5/10/14/97

5.8.52 VERIFY AGV delivers OTP-COLD-MT-08 to TRU/RWM Exit Port, 107-DO-07-402A (Lift Table, 107-LT-09-201B). TE Initials/Date: 10/14/87

5.8.53 SCAN OTP-COLD-MT-08 at TRU/RWM Exit Port, 107-DO-07-402A (Lift Table, 107-LT-09-201B). TE Initials/Date: 10/14/87

5.8.54 VERIFY AGV delivers OTP-COLD-MT-04 to the Airlock Drum Transfer Conveyor, 107-CV-09-201B.

TE Initials/Date: 10/14/87

5.8.55 REQUEST RCT to survey OTP-COLD-MT-04 (on Airlock Drum Transfer Conveyor, 107-CV-09-201B) for contamination and enter beta-gamma dose rate and seal number on DMS Screen DMSS0943. TE Initials/Date: 12/20/87

5.8.56 VERIFY DMS Data for OTP-COLD-MT-04 using Table VII.6.

Computer Engineer Initials/Date: 10/20/87

5.8.57 TRANSFER OTP-COLD-MT-04 through the Airlock to the NDE/NDA Area, per WRP1-OP-0503, MOVE WASTE DRUMS THROUGHOUT THE WRAP FACILITY.

TE Initials/Date: 10/20/87

5.8.58 VERIFY OTP-COLD-MT-04 is delivered to the NDE/NDA Drum Storage Carousel, 104-CV-09-102.

TE Initials/Date: 12/20/87
5.8.59 VERIFY RTAP Display for OTP-COLD-MT-04 on NDE/NDA Carousel Drum Table "NDE" queue.

Computer Engineer Initials/Date: 12/20/69

5.8.60 PRESS the "EXAM COMPLETE" button on the NDE control console for the vault containing OTP-COLD-MT-01,
THEN VERIFY the following:

5.8.60.1 OTP-COLD-MT-01 exits the NDE Vault.
5.8.60.2 The AGV picks up OTP-COLD-MT-01 from the NDE Vault Transfer Conveyor.
5.8.60.3 The AGV delivers OTP-COLD-MT-01 to a PAN Vault.

TE Initials/Date: 12/20/69

5.8.61 VERIFY OTP-COLD-MT-01 enters a PAN Vault and the Shield Door closes.

TE Initials/Date: 12/20/69

5.8.62 CONDUCT NDA Examination per WRP1-OP-0903, DRUM NON-DESTRUCTIVE ASSAY (NDA) AUTOMATIC OPERATION.

TE Initials/Date: 12/20/69

5.8.63 VERIFY RTAP shows OTP-COLD-MT-01 is in the correct GEA vault when delivered by the AGV.

TE Initials/Date: 12/20/69
ATTACHMENT 4 - BALANCE OF PLANT COLD RUN TEST PLAN

5.8.64 VERIFY the following:
5.8.64.1 AGV delivers OTP-COLD-MT-03 to an NDE vault.
5.8.64.2 Transfer Conveyor positions drum.
5.8.64.3 Drum is transferred to the vault.
5.8.64.4 RTAP shows correct drum PIN and route.

TE Initials/Date: n? 1/23/66

5.8.65 VERIFY OTP-COLD-MT-03 is removed from RTAP NDE/NDA Carousel Drum Table "NDE" queue.

Computer Engineer Initials/Date: 1/23/66

5.8.66 WHEN the NDA Operation for OTP-COLD-MT-01 is completed, VERIFY the AGV picks up OTP-COLD-MT-01 and delivers it to the Drum Discharge Conveyor, 101-CV-05-102.

TE Initials/Date: 1/23/66

5.8.67 INDEX and SCAN OTP-COLD-MT-01 at Drum Discharge Conveyor Weight Scale.

Computer Engineer Initials/Date: 1/23/66

5.8.68 VERIFY DMS Data for OTP-COLD-MT-01 using Table IV.7.

Computer Engineer Initials/Date: 1/23/66

5.8.69 STORE OTP-COLD-MT-01 in ASRS from the Drum Discharge Conveyor, 101-CV-05-102 per WRP1-OP-0506, OPERATION OF THE ASRS, section titled, "Drum Storage from Pallet Stand".

TE Initials/Date: 1/23/66

5.8.70 PRESS the "EXAM COMPLETE" button on the NDE control console for the vault containing OTP-COLD-MT-02, THEN VERIFY the following:
5.8.70.1 OTP-COLD-MT-02 exits the NDE Vault.
5.8.70.2 The AGV picks up OTP-COLD-MT-02 from the NDE Vault Transfer Conveyor.
5.8.70.3 The AGV delivers OTP-COLD-MT-02 to an NDA Vault.

TE Initials/Date: 1/23/66
5.8.71 WHEN OTP-COLD-MT-02 exits GEA Vault, THEN SIMULATE Criticality Limit Exceeded Alarm from SIE and SET PuFGE Value to Null.

Computer Engineer Initials/Date: 1/20/88

5.8.72 VERIFY the following:

5.8.72.1 AGV delivers OTP-COLD-MT-04 to an NDE vault.
5.8.72.2 Transfer Conveyor positions drum.
5.8.72.3 Drum is transferred to the vault.
5.8.72.4 RTAP shows correct drum PIN and route.

TE Initials/Date: 1/20/88

5.8.73 VERIFY RTAP NDE/NDA Carousel Drum Table "NDE" queue is empty.

Computer Engineer Initials/Date: 1/20/88

5.8.74 VERIFY in the following step, (Step 5.8.75) that No Pu FGE Val Alarm is generated on DMS for OTP-COLD-MT-02.

Computer Engineer Initials/Date: 1/20/88

5.8.75 WHEN the NDA Operation for OTP-COLD-MT-02 is completed, VERIFY the AGV picks up OTP-COLD-MT-02 and delivers it to the Drum Discharge Conveyor, 101-CV-05-102.

TE Initials/Date: 1/20/88

5.8.76 VERIFY DMS Data for OTP-COLD-MT-02 using Table V.7.

Computer Engineer Initials/Date: 1/20/88

5.8.77 STORE OTP-COLD-MT-02 in ASRS from the Drum Discharge Conveyor, 101-CV-05-102 per WRP1-OP-0506, OPERATION OF THE ASRS, section titled, "Drum Storage from Pallet Stand".

TE Initials/Date: 1/20/88
ATTACHMENT 4 - BALANCE OF PLANT COLD RUN TEST PLAN

5.8.78 COMPLETE NDE Examination on OTP-COLD-MT-03 per WRP1-OP-0908, OPERATION OF THE DRUM NONDESTRUCTIVE EXAMINATION SYSTEM.

TE Initials/Date: 12/20/98

5.8.79 WHEN WRP1-OP-0908 directs the Radiographer to press "EXAM COMPLETE" button on the control console for the vault containing OTP-COLD-MT-03, THEN VERIFY the following:

5.8.79.1 OTP-COLD-MT-03 exits the NDE Vault.
5.8.79.2 The AGV picks up OTP-COLD-MT-03 from the NDE Vault Transfer Conveyor.
5.8.79.3 The AGV delivers OTP-COLD-MT-03 to a PAN Vault.

TE Initials/Date: 12/20/98

5.8.80 VERIFY OTP-COLD-MT-03 enters a PAN Vault and the Shield Door closes.

TE Initials/Date: 12/20/98

5.8.81 CONDUCT NDA Examination per WRP1-OP-0903, DRUM NON-DESTRUCTIVE ASSAY (NDA) AUTOMATIC OPERATION.

TE Initials/Date: 12/20/98

5.8.82 VERIFY RTAP shows OTP-COLD-MT-03 is in the correct GEA vault when delivered by the AGV.

TE Initials/Date: 12/20/98
5.8.83 WHEN the NDA Operation for OTP-COLD-MT-03 is completed, VERIFY the AGV picks up OTP-COLD-MT-03 and delivers it to the Drum Discharge Conveyor, 101-CV-05-102.

TE Initials/Date: 00 12/20/99

5.8.84 SCAN OTP-COLD-MT-03 at Drum Discharge Conveyor Weight Scale.

TE Initials/Date: 00 12/20/99

5.8.85 VERIFY DMS data after OTP-COLD-MT-03 is weighed, using Table VI.7.

Computer Engineer Initials/Date: 00 12/20/99

5.8.86 STORE OTP-COLD-MT-03 in ASRS from the Drum Discharge Conveyor, 101-CV-05-102 per WRPI-OP-0506, OPERATION OF THE ASRS, section titled "Drum Storage from Pallet Stand".

TE Initials/Date: 00 12/20/99

5.8.87 COMPLETE NDE Examination on OTP-COLD-MT-04 per WRPI-OP-0908, OPERATION OF THE DRUM NONDESTRUCTIVE EXAMINATION SYSTEM.

TE Initials/Date: 00 12/20/99

5.8.88 WHEN WRPI-OP-0908 directs the Radiographer to press "EXAM COMPLETE" button on the control console for the vault containing OTP-COLD-MT-04, THEN VERIFY the following:

5.8.88.1 OTP-COLD-MT-04 exits the NDE Vault.
5.8.88.2 The AGV picks up OTP-COLD-MT-04 from the NDE Vault Transfer Conveyor.
5.8.88.3 The AGV delivers OTP-COLD-MT-04 to a PAN Vault.

TE Initials/Date: 00 12/20/99

5.8.89 VERIFY OTP-COLD-MT-04 enters a PAN Vault and the Shield Door closes.

TE Initials/Date: 00 12/20/99
ATTACHMENT 4 - BALANCE OF PLANT COLD RUN TEST PLAN

5.8.90 CONDUCT NDA Examination per WRP1-OP-0903, DRUM NON-DESTRUCTIVE ASSAY (NDA) AUTOMATIC OPERATION.

TE Initials/Date: \_\_ \_ \_ 1/3/98

5.8.91 VERIFY RTAP shows OTP-COLD-MT-04 is in the correct GEA vault when delivered by the AGV.

TE Initials/Date: \_\_ \_ \_ 1/3/98

5.8.92 WHEN the NDA Operation for OTP-COLD-MT-04 is completed, VERIFY the AGV picks up OTP-COLD-MT-04 and delivers it to the Drum Discharge Conveyor, 101-CV-05-102.

TE Initials/Date: \_\_ \_ \_ 1/3/98

5.8.93 VERIFY DMS data after OTP-COLD-MT-04 is weighed, using Table VII.7.

Computer Engineer Initials/Date: \_\_ \_ \_ 1/3/98

5.8.94 STORE OTP-COLD-MT-04 in ASRS from the Drum Discharge Conveyor, 101-CV-05-102 per WRP1-OP-0506, OPERATION OF THE ASRS, section titled, "Drum Storage from Pallet Stand".

TE Initials/Date: \_\_ \_ \_ 1/3/98

NOTE - OTP-COLD-MT-10 at this point in the test is at TRU Compacted Empty Drum Loadout Port, 107-DO-07-308 (Lift Table, 107-LT-09-203C).

5.8.95 RUN script to simulate OTP-COLD-MT-10 full of crushed TRU inner process drums, using Table XIII.5.

Computer Engineer Initials/Date: 1/3/98

5.8.96 PRESS the "DRUM READY FOR PICKUP" button on OIU-12-104C. Port Menu, for Drum OTP-COLD-MT-10.

TE Initials/Date: \_\_ \_ \_ 1/3/98
5.8.97 VERIFY Process Area AGV performs the following:

5.8.97.1 Picks up Empty One Trip Drum OTP-COLD-MT-11 at the Empty Drum Staging Conveyor, 107-CV-09-203.
5.8.97.2 Picks up OTP-COLD-MT-10 at TRU Compacted Empty Drum Loadout Port, 107-DO-07-308 (Lift Table, 107-LT-09-203C).
5.8.97.3 Proceeds to AGV Hold Point.

TE Initials/Date: 30P 1/11/92

5.8.98 WHEN AGV Reaches AGV Hold Point, THEN SELECT on OIU-12-104A in order,

5.8.98.1 "MAIN MENU"
5.8.98.2 "ENTRY HOLD POINT MENU"
5.8.98.3 "ADVANCE AGV"
5.8.98.4 "RELEASE AGV"

TE Initials/Date: 32P 1/11/92


TE Initials/Date: 30P 1/11/92

5.8.100 VERIFY AGV delivers OTP-COLD-MT-10 to the Airlock Drum Transfer Conveyor, 107-CV-09-201B.

TE Initials/Date: 30P 1/11/92

5.8.101 REQUEST RCT to survey OTP-COLD-MT-10 (on Airlock Drum Transfer Conveyor, 107-CV-09-201B) for contamination.

TE Initials/Date: 30P 1/11/92

5.8.102 VERIFY DMS Data for OTP-COLD-MT-10 using Table XIII.6.

Computer Engineer Initials/Date: 38 1/26/92
ATTACHMENT 4 - BALANCE OF PLANT COLD RUN TEST PLAN

5.8.103 TRANSFER OTP-COLD-MT-10 through the Airlock to the NDE/NDA Area per WRP1-OP-0503, MOVE WASTE DRUMS THROUGHOUT THE WRAP FACILITY.

TE Initials/Date: 5SR 11/3/97

5.8.104 VERIFY the AGV delivers OTP-COLD-MT-10 to a PAN Vault.

TE Initials/Date: 5P 12/20/98

5.8.105 VERIFY OTP-COLD-MT-10 enters a PAN Vault and the Shield Door closes.

TE Initials/Date: 5P 12/22/98

5.8.106 CONDUCT NDA Examination per WRP1-OP-0903, DRUM NON-DESTRUCTIVE ASSAY (NDA) AUTOMATIC OPERATION.

TE Initials/Date: 5P 12/20/98

5.8.107 VERIFY RTAP shows OTP-COLD-MT-10 is in the correct GEA vault when delivered by the AGV.

TE Initials/Date: 5P 12/20/98

5.8.108 WHEN the NDA Operation for OTP-COLD-MT-10 is completed, VERIFY the AGV picks up OTP-COLD-MT-10 and delivers it to the Drum Discharge Conveyor, 101-CV-05-102.

TE Initials/Date: 5P 12/20/98

5.8.109 SCAN OTP-COLD-MT-10 at Drum Discharge Conveyor Weight Scale.

TE Initials/Date: 5SR 11/6/97

5.8.110 VERIFY DMS data after OTP-COLD-MT-10 is weighed, using Table XIII.7.

Computer Engineer Initials/Date: 5P 11/16/97
5.8.111 STORE OTP-COLD-MT-10 in ASRS from the Drum Discharge Conveyor, 101-CV-05-102 per WRP-I-OP-0506, OPERATION OF THE ASRS, section titled, "Drum Storage from Pallet Stand".

TE Initials/Date: 20/12/18
ATTACHMENT 4 - BALANCE OF PLANT COLD RUN TEST PLAN

5.9 TRU/RWM TRANSFER DRUM OPERATIONS

NOTE - The Test TRU Transfer Drum, OTP-COLD-TD-01 starts the Test in the RWM Drum Storage Carousel, 107-CV-09-202.

5.9.1 TRANSFER OTP-COLD-TD-01, TRU Transfer Drum, to TRU Transfer Port 107-D0-07-305, Lift Table 107-LT-09-203B, using the RTAP Buffer Storage Carousel Screen.

Computer Engineer Initials/Date: ?br 10/8/97

5.9.2 RUN script to simulate filling OTP-COLD-TD-01, TRU Transfer Drum with packets, using Table XXXV.2.

Computer Engineer Initials/Date: 9/08/97

5.9.3 TRANSFER OTP-COLD-TD-01, TRU Transfer Drum, to RWM Drum Storage Carousel, 107-CV-09-202, using the RTAP Buffer Storage Carousel Screen.

Computer Engineer Initials/Date: 9/08/97

5.9.4 VERIFY DMS Alarm, "Pu FGE Value Null" is received for one of the packets associated with OTP-COLD-TD-01, when it arrives at the RWM Buffer Storage Carousel.

Computer Engineer Initials/Date: 9/08/97

5.9.5 TRANSFER OTP-COLD-TD-01, TRU Transfer Drum, to TRU/RWM Transfer Port 107-D0-07-401, Lift Table 107-LT-09-201C, (for simulated sampling) using the RTAP Buffer Storage Carousel Screen.

Computer Engineer Initials/Date: 9/08/97

5.9.6 VERIFY DMS Alarm, "Pu FGE Value Null" is received for one of the packets associated with OTP-COLD-TD-01, when it arrives at the TRU/RWM Transfer Port 107-D0-07-401.

Computer Engineer Initials/Date: 9/08/97

5.9.7 RUN DMS script to simulate repackaging using Table XXXV.5.

Computer Engineer Initials/Date: 9/08/97
5.9.8 TRANSFER OTP-COLD-TD-01, TRU Transfer Drum, to RWM Storage Carousel, 107-CV-09-202, using the RTAP Buffer Storage Carousel Screen.

   Computer Engineer Initials/Date: SP 1/9/97

5.9.9 CHANGE RADMAT ID to "T" while drum is in RWM Drum Storage Carousel to simulate drum coming from TRU Glovebox.

   Computer Engineer Initials/Date: 1/9/97

5.9.10 TRANSFER OTP-COLD-TD-01, TRU Transfer Drum, to TRU/RWM Transfer Port 107-DO-07-401, Lift Table 107-LT-09-201C, (for simulated Treatment) using the RTAP Buffer Storage Carousel Screen.

   Computer Engineer Initials/Date: 1/9/97

5.9.11 VERIFY DMS Alarm, "Pu FGE Limit Exceeded" when OTP-COLD-TD-01 arrives at the TRU/RWM Transfer Port 107-DO-07-401.

   Computer Engineer Initials/Date: 1/9/97

5.9.12 RUN script to simulate emptying OTP-COLD-TD-01 using Table XXXV.8.

   Computer Engineer Initials/Date: 1/9/97

5.9.13 TRANSFER OTP-COLD-TD-01, TRU Transfer Drum, to RWM Drum Storage Carousel, 107-CV-09-202, using the RTAP Buffer Storage Carousel Screen.

   Computer Engineer Initials/Date: 1/9/97

5.9.14 VERIFY PCS SENDS ABORT MESSAGES TO AGV CS, ASRS, PAN A, PAN B, GEA A, GEA B, AND BWAS.

   Computer Engineer Initials/Date: 9/9990 DATE 2/2/98
5.10 LLW/RWM TRANSFER DRUM OPERATIONS


5.10.1 TRANSFER OTP-COLD-TD-02, LLW Transfer Drum, to LLW Transfer Port 107-DO-07-105, Lift Table 107-LT-09-203A, using the RTAP Buffer Storage Carousel Screen.

Computer Engineer Initials/Date: 10/3/97

5.10.2 RUN script to simulate filling OTP-COLD-TD-02, LLW Transfer Drum with packets, using Table XXXVI.2.

Computer Engineer Initials/Date: 10/3/97

5.10.3 TRANSFER OTP-COLD-TD-02, LLW Transfer Drum, to RWM Drum Storage Carousel, 107-CV-09-202, using the RTAP Buffer Storage Carousel Screen.

Computer Engineer Initials/Date: 10/3/97

5.10.4 TRANSFER OTP-COLD-TD-02, LLW Transfer Drum, to LLW/RWM Transfer Port 107-DO-07-201, Lift Table 107-LT-09-201F, (for simulated Sampling) using the RTAP Buffer Storage Carousel Screen.

Computer Engineer Initials/Date: 10/7/97

5.10.5 RUN DMS script to simulate repackaging Table XXXVI.5.

Computer Engineer Initials/Date: 10/3/97

5.10.6 TRANSFER OTP-COLD-TD-02, LLW Transfer Drum, to RWM Drum Storage Carousel, 107-CV-09-202, using the RTAP Buffer Storage Carousel Screen.

Computer Engineer Initials/Date: 10/3/97

5.10.7 TRANSFER OTP-COLD-TD-02, LLW Transfer Drum, to LLW/RWM Transfer Port 107-DO-07-201, Lift Table 107-LT-09-201F, (for simulated Treatment) using the RTAP Buffer Storage Carousel Screen.

Computer Engineer Initials/Date: 10/7/97
5.10.8 RUN script to simulate emptying OTP-COLD-TD-02 using Table XXXVI.8

Computer Engineer Initials/Date: JFR 10/7/72

5.10.9 TRANSFER OTP-COLD-TD-02, LLW Transfer Drum, to RWM Drum Storage Carousel, 107-CV-09-202, using the RTAP Buffer Storage Carousel Screen.

Computer Engineer Initials/Date: JFR 10/7/72
5.11 WASTE DRUM SHIPMENT

5.11.1 SHIP the following drums per WRP1-OP-0502, RECEIVE, STORE AND SHIP WASTE CONTAINERS, section titled, Ship Waste Drums:

<table>
<thead>
<tr>
<th>DRUM</th>
<th>STATUS (simulated)</th>
</tr>
</thead>
<tbody>
<tr>
<td>OTP-COLD-MT-01</td>
<td>55 Gallon One Trip Drum newly filled with TRU waste.</td>
</tr>
<tr>
<td>OTP-COLD-MT-02</td>
<td>55 Gallon One Trip Drum newly filled with TRU waste.</td>
</tr>
<tr>
<td>OTP-COLD-MT-03</td>
<td>55 Gallon One Trip Drum newly filled with TRU waste.</td>
</tr>
<tr>
<td>OTP-COLD-MT-04</td>
<td>55 Gallon One Trip Drum newly filled with TRU waste.</td>
</tr>
<tr>
<td>OTP-COLD-MT-10</td>
<td>85 Gallon Drath and Schrader Drum, newly filled with crushed TRU Pucks from TRU Compacted Drum Loadout Port.</td>
</tr>
<tr>
<td>OTP-CRL-PO-001</td>
<td>85 Gallon Entry Exit Drum, newly filled from LLW Exit Port.</td>
</tr>
<tr>
<td>OTP-CRL-PO-002</td>
<td>85 Gallon Entry Exit Drum, from LLW/RWM Exit Port.</td>
</tr>
<tr>
<td>OTP-CRL-PO-003</td>
<td>85 Gallon Entry Exit Drum, newly filled from LLW Exit Port.</td>
</tr>
</tbody>
</table>

TE Initials/Date: 12/20/48

5.11.2 VERIFY DMS data using the following Tables:

- IV.9
- V.9
- VI.9
- VII.9
- VIII.9
- XX.9
- XXII.9
- XXIV.9

Computer Engineer Initials/Date: 12/20/48
5.12 EMPTY DRUM SHIPMENT

5.12.1 SHIP the following drums per WRP1-OP-0502, RECEIVE, STORE AND SHIP WASTE CONTAINERS, section titled, Ship Waste Drums:

<table>
<thead>
<tr>
<th>DRUM</th>
<th>STATUS (simulated)</th>
</tr>
</thead>
<tbody>
<tr>
<td>5.12.1.1 OTP-CRL-PO-004</td>
<td>85 Gallon Entry Exit Drum (uncontaminated)</td>
</tr>
<tr>
<td>5.12.1.2 OTP-CRT-PO-004</td>
<td>85 Gallon Entry Exit Drum (uncontaminated)</td>
</tr>
</tbody>
</table>

TE Initials/Date: __________/__________

5.12.2 VERIFY DMS data using the following Tables:

- XXVI.6
- XXXIV.6

Computer Engineer Initials/Date: __________/__________
## INITIALIZATION FOR AREAS 1 AND 2

<table>
<thead>
<tr>
<th>STEP</th>
<th>DESCRIPTION</th>
<th>INIT.</th>
<th>DATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Run script to initialize SWITS data.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Run script to initialize WRAPTEST database</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Verify that DMSCOM is up and connected to DMS test database.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Verify that all resources required for the test are available.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>Verify that AGVCS queue is set up as required, both vehicles are on-line, and any existing moves on roller decks are cleared.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Verify that SIE is up and status is IDLE.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>Verify that area 2 NDE vaults being used are up and available.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>Verify that GEA units being used are up and available.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>Verify that PAN units being used are up and available.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>Verify that all area 1/2 conveyors are in remote mode.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>11</td>
<td>Verify that all area 3 lift tables are at the proper height and AGV/PANEL switch is set to AGV and M-O-N switch is set to NORMAL as appropriate.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>Verify that all AGV pathways are clear of obstructions.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>13</td>
<td>Verify that the NDE/NDA carousel is available and has the two QC drums.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>14</td>
<td>Initialize QC data in SIE by simulating drum location message at N NCRSL.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>15</td>
<td>Verify that the two background drums are on the background conveyors.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>16</td>
<td>Verify that RTAP shows no drums on any area 1 conveyors.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>17</td>
<td>Verify that RTAP shows no drums in any NDA vault being used.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>18</td>
<td>Verify that RTAP shows no drums on either empty drum staging conveyor.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>19</td>
<td>Verify in PLC that counters for empty drum staging conveyor are initialized.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>20</td>
<td>Verify that RTAP shows only the two QC drums in the NDE/NDA BSC drum table and QC check is not in progress.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>21</td>
<td>Verify that the PLC counters for the discharge conveyor are correct.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### ATTACHMENT 5 - COLD RUN INITIALIZATION

#### INITIALIZATION FOR AREAS 1 AND 2

<table>
<thead>
<tr>
<th>STEP</th>
<th>DESCRIPTION</th>
<th>INIT.</th>
<th>DATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>22</td>
<td>Verify that the PLC counters for the float table are initialized.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>23</td>
<td>Verify that the PLC counters for the receiving table are initialized.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>24</td>
<td>Verify that the PLC counters for the shipping dock are initialized and the table is empty.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>25</td>
<td>Verify that the PLC counters for the received table are initialized.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>26</td>
<td>Verify that RTAP indicates background checks are not in progress.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>27</td>
<td>Verify that the PLC counters for the empty drum shipping area are set and the table is empty.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>28</td>
<td>Verify that the PLC counters for the empty drum storage area are set and the table is empty.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>29</td>
<td>Verify in RTAP that receiving table is empty.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>30</td>
<td>Verify in RTAP that shipping pick list table is empty.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>31</td>
<td>Verify that empty drum shipping area is empty.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>32</td>
<td>Verify that empty drum storage area is empty.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>33</td>
<td>Verify DMS data for QC and background drums by comparing data against Table II.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**END**

#### INITIALIZATION REQUIRED FOR AREA 3 ONLY

<table>
<thead>
<tr>
<th>STEP</th>
<th>DESCRIPTION</th>
<th>DATA</th>
<th>NETCOM</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Verify that the RWM BSC is available.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Verify that RTAP shows only the two transfer drums on the RWM BSC drum table.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Verify that the PLC counters for queues in RWM BSC are initialized.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**END**
### Table I. Cold run scenarios by drum PIN.

<table>
<thead>
<tr>
<th>DRUM PIN</th>
<th>DESCRIPTION OF SCENARIO</th>
</tr>
</thead>
<tbody>
<tr>
<td>OTP-COLD-MT-01</td>
<td>Empty 55 gallon one trip. Receive drum and set route to 4A. Load onto empty drum input conveyor and send to empty drum staging conveyor 204. Transfer drum from staging conveyor to lift table 202D. Run script to simulate drum being filled with waste so that when it hits photo eye all data is complete. Drum completes normal processing for route 101 through airlock to NDE. Do not release from NDE until two product drums are diverted to NDE/NDA BSC. Continue normal processing through PAN, GEA, Discharge, and ASRS. Complete processed drum data review and create shipping pick list. Create shipping papers. Drum is shipped.</td>
</tr>
<tr>
<td>OTP-COLD-MT-02</td>
<td>Empty 55 gallon one trip. Receive drum and set route to 4A. Load onto empty drum input conveyor and send to empty drum staging conveyor 204. Transfer drum from staging conveyor to lift table 202E. Run script to simulate drum being filled with waste so that when it hits photo eye all data is complete. Drum completes processing for route 101 through NDE, PAN, GEA, Discharge, and ASRS. Simulate criticality limit exceeded alarm from SIE when drum exits GEA. Stop drum after leaving GEA to null the Pu FGE value and then release. Alarm should be generated for no Pu FGE value for product drum at discharge conveyor. Drum is retrieved from ASRS and shipped.</td>
</tr>
<tr>
<td>OTP-COLD-MT-03</td>
<td>Empty 55 gallon one trip. Receive drum and set route to 4A. Load onto empty drum input conveyor and send to empty drum staging conveyor 204. Transfer drum from staging conveyor to lift table 201A. Run script to simulate drum being filled with waste including addition of hazardous waste. Drum exits with normal route 101 to NDE, PAN and GEA, and discharge. Verify at airlock that weight percents have been calculated for hazardous components. Drum is retrieved from ASRS and shipped.</td>
</tr>
<tr>
<td>OTP-COLD-MT-04</td>
<td>Empty 55 gallon one trip. Receive drum and set route to 4A. Load onto empty drum input conveyor and send to empty drum staging conveyor 204. Transfer drum from staging conveyor to lift table 201B. Run script to simulate drum being filled with waste so that when it hits photo eye all data is complete. Drum completes normal processing for route 101 through NDE, PAN, GEA, Discharge, and ASRS. Drum is retrieved from ASRS and shipped.</td>
</tr>
</tbody>
</table>
## ATTACHMENT 6 - DATA TABLES

<table>
<thead>
<tr>
<th>DRUM PIN</th>
<th>DESCRIPTION OF SCENARIO</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>OTP-COLD-MT-05</strong></td>
<td>Empty 55 gallon one trip. Receive drum and set route to 4A. Load onto empty drum input conveyor and send to empty drum staging conveyor 204. When an empty is removed from lift table 202D, 202E, 201A, or 201B the following scenario should be completed:  &lt;ol&gt; &lt;li&gt;pick up empty at conveyor 203.&lt;/li&gt; &lt;li&gt;Pick up full waste drum and move both drums to AGV hold point. &lt;/li&gt; &lt;li&gt;Release AGV from hold point using OIU 104A 'ENTRY HOLD POINT' menu and 'RELEASE AGV' button. &lt;/li&gt; &lt;li&gt;Drop off empty drum at lift table. &lt;/li&gt; &lt;li&gt;Drop off full waste drum at airlock.&lt;/li&gt; &lt;/ol&gt;</td>
</tr>
<tr>
<td><strong>OTP-COLD-MT-06</strong></td>
<td>Empty 55 gallon one trip. Receive drum and set route to 4A. Load onto empty drum input conveyor and send to empty drum staging conveyor 204. When an empty is removed from lift table 202D, 202E, 201A, or 201B the following scenario should be completed:  &lt;ol&gt; &lt;li&gt;pick up empty at conveyor 203.&lt;/li&gt; &lt;li&gt;Pick up full waste drum and move both drums to AGV hold point. &lt;/li&gt; &lt;li&gt;Release AGV from hold point using OIU 104A 'ENTRY HOLD POINT' menu and 'RELEASE AGV' button. &lt;/li&gt; &lt;li&gt;Drop off empty drum at lift table. &lt;/li&gt; &lt;li&gt;Drop off full waste drum at airlock.&lt;/li&gt; &lt;/ol&gt;</td>
</tr>
<tr>
<td><strong>OTP-COLD-MT-07</strong></td>
<td>Empty 55 gallon one trip. Receive drum and set route to 4A. Load onto empty drum input conveyor and send to empty drum staging conveyor 204. When an empty is removed from lift table 202D, 202E, 201A, or 201B the following scenario should be completed:  &lt;ol&gt; &lt;li&gt;pick up empty at conveyor 203.&lt;/li&gt; &lt;li&gt;Pick up full waste drum and move both drums to AGV hold point. &lt;/li&gt; &lt;li&gt;Release AGV from hold point using OIU 104A 'ENTRY HOLD POINT' menu and 'RELEASE AGV' button. &lt;/li&gt; &lt;li&gt;Drop off empty drum at lift table. &lt;/li&gt; &lt;li&gt;Drop off full waste drum at airlock.&lt;/li&gt; &lt;/ol&gt;</td>
</tr>
</tbody>
</table>
## Integrated Engineering Cold Run Test - Balance of Plant

**ATTACHMENT 6 - DATA TABLES**

<table>
<thead>
<tr>
<th>DRUM PIN</th>
<th>DESCRIPTION OF SCENARIO</th>
</tr>
</thead>
<tbody>
<tr>
<td>OTP-COLD-MT-08</td>
<td>Empty 55 gallon one trip. Receive drum and set route to 4A. Load onto empty drum input conveyor and send to empty drum staging conveyor 204. When an empty is removed from lift table 202D, 202E, 201A, or 201B the following scenario should be completed: 1. Pick up empty at conveyor 203. 2. Pick up full waste drum and move both drums to AGV hold point. 3. Release AGV from hold point using OIU 104A 'ENTRY HOLD POINT' menu and 'RELEASE AGV' button. 4. Drop off empty drum at lift table. 5. Drop off full waste drum at airlock.</td>
</tr>
<tr>
<td>OTP-COLD-MT-09</td>
<td>Empty 55 gallon E/E drum. Receive drum and set route to 6A. Load onto empty drum input conveyor and send to LLW RWM exit 201E. Run script to simulate filling with compliant waste and transfer the drum to LLW entry 202A.</td>
</tr>
<tr>
<td>OTP-COLD-MT-10</td>
<td>Empty 85 gallon D&amp;S. Receive drum and set route to 5A. Initial drum data will have a null tare weight to show that tare weight is filled in at receiving. Load onto the FRONT of the empty infeed by reversing the conveyor and scanning the drum PIN. Drum will be delivered to empty drum staging conveyor 203C.</td>
</tr>
<tr>
<td>OTP-COLD-MT-11</td>
<td>Empty 85 gallon D&amp;S. Receive drum and set route to 5A. Load onto empty drum input conveyor and send to empty drum staging conveyor 203C. This drum should replace drum on lift table 203C when it is removed.</td>
</tr>
<tr>
<td>OTP-COLD-WV-01</td>
<td>55 gallon drum for verification via route 9. Receive and place directly on infeed conveyor. NDE analysis only, verification data review. ship directly from discharge conveyor. Package status is &quot;A&quot; so verification record should be sent to SWITS.</td>
</tr>
<tr>
<td>OTP-COLD-WV-02</td>
<td>85 gallon drum for verification via route 9. Receive and place directly on infeed conveyor. NDE analysis only, verification data review. ship directly from discharge conveyor. Package status is &quot;A&quot; so verification record should be sent to SWITS.</td>
</tr>
<tr>
<td>OTP-COLD-WV-03</td>
<td>55 gallon drum for verification via route 1. Receive and store in ASRS. NDE and NDA analysis and store back in ASRS. Perform verification data review, verification NDA data review. Retrieve from ASRS and ship. Package status is &quot;T&quot; so verification record should NOT be created.</td>
</tr>
</tbody>
</table>
## ATTACHMENT 6 - DATA TABLES

<table>
<thead>
<tr>
<th>DRUM PIN</th>
<th>DESCRIPTION OF SCENARIO</th>
</tr>
</thead>
<tbody>
<tr>
<td>OTP-COLD-WV-04</td>
<td>85 gallon drum for verification via route 1. Receive and store in ASRS. Perform verification data review, verification NDA data review. Retrieve from ASRS and ship. Package status is &quot;T&quot; so verification record should NOT be created.</td>
</tr>
<tr>
<td>OTP-CRL-PI-001</td>
<td>55 gallon LLW drum for processing at LLW entry in an 85 gal overpack. Receive and store in ASRS. Initial drum data will have a null tare weight to show that tare weight is filled in at receiving. Retrieve and process through NDE and NDA and directly to lift table 202A. Hold there until RWM BSC queue is full and one drum is sent to NDE/NDA carousel. Run script to simulate drum being processed in GB.</td>
</tr>
<tr>
<td>OTP-CRL-PO-001</td>
<td>85 gallon overpack for OTP-CRL-PI-001. Initial drum data will have a null tare weight to show that tare weight is filled in at receiving for outer container. Set contaminated flag to 'Y' and verify empty drum gets sent directly to lift table 202C. Run script to simulate drum being processed in GB. Leave at lift table 202C until one more contaminated overpack drums have been sent to RWM carousel &quot;LLW GEN EXIT&quot; queue. Drum exits with normal route 102 to PAN, GEA, and discharge. Return to ASRS. Complete data review, shipping papers, and ship.</td>
</tr>
<tr>
<td>OTP-CRL-PI-002</td>
<td>55 gallon LLW drum for processing at LLW entry in an 85 gal overpack. Receive and store in ASRS. Run script to set Pu FGE value to 200 to set off alarm for entering area 3. Retrieve and process through NDE and NDA with drum OTP-CRL-PI-001 already at LLW entry so this drum should be diverted to RWM BSC and entered into &quot;LLW ENTRY GB&quot; queue. When OTP-CRL-PI-001 is removed from lift table 202A this drum should get automatically sent to lift table 202A.</td>
</tr>
<tr>
<td>OTP-CRL-PO-002</td>
<td>85 gallon overpack for OTP-CRL-PI-002. Set contaminated flag to 'Y' and verify empty drum gets sent directly to lift table 201D. Leave at lift table 201D until one more contaminated overpack drums have been sent to RWM carousel. Run script to simulate drum being processed in GB including addition of hazardous waste. Drum exits with normal route 101 to NDE, PAN and GEA, and discharge. Verify at airlock that weight percents have been calculated for hazardous components. Return to ASRS. Complete data review, shipping papers, and ship.</td>
</tr>
</tbody>
</table>
**ATTACHMENT 6 - DATA TABLES**

<table>
<thead>
<tr>
<th>DRUM PIN</th>
<th>DESCRIPTION OF SCENARIO</th>
</tr>
</thead>
<tbody>
<tr>
<td>OTP-CRL-PI-003</td>
<td>55 gallon LLW drum for processing at LLW entry in an 85 gal overpack. Receive and store in ASRS. Retrieve and process through NDE and NDA. This drum should fill the second position in RWM BSC 'LLW ENTRY GB' queue.</td>
</tr>
<tr>
<td>OTP-CRL-PO-003</td>
<td>85 gallon overpack for OTP-CRT-PI-003. This drum is received and transported to lift table 202A. Set contaminated flag to 'Y' and verify empty drum gets sent to RWM BSC 'LLW GEN EXIT' queue because lift table 201D and 201C are already occupied. Leave at RWM BSC until drum is removed from lift table 202C. Drum is automatically retrieved to lift table 202C when drum is removed from 202C. Run script to simulate drum being processed in GB. Drum exits with normal route 102 to PAN and GEA, and discharge. Return to ASRS. Complete data review, shipping papers, and ship.</td>
</tr>
<tr>
<td>OTP-CRL-PI-004</td>
<td>55 gallon LLW drum for processing at LLW entry in an 85 gal overpack. This drum should cause a facility DEC alarm at receipt. Receive and store in ASRS. Retrieve and process through NDE and NDA. With lift table 202A and the two 'LLW ENTRY GB' positions full in the RWM BSC this drum should get sent to the NDE/NDA BSC. When OTP-CRL-PI-003 is removed from the RWM BSC this drum should get sent to the RWM BSC automatically.</td>
</tr>
<tr>
<td>OTP-CRL-PO-004</td>
<td>85 gallon overpack for OTP-CRT-PI-004. Set contaminated flag to 'N' and verify empty drum gets sent directly to the discharge conveyor via route 103.</td>
</tr>
<tr>
<td>OTP-CRT-PI-001</td>
<td>55 gallon TRU drum for processing at TRU entry in an 85 gal overpack. Receive and store in ASRS. Retrieve and process through NDE and NDA and directly to lift table 202B. While in airlock, run script to delete Pu FGE value. This drum should set off alarms at airlock and at TRU lift table that Pu FGE value is null. Run script to set Pu FGE and rescan drum at lift table. Hold there until RWM BSC queue is full and one drum is sent to NDE/NDA BSC. Run script to simulate this drum being processed into GB. End of processing for this PIN.</td>
</tr>
<tr>
<td>OTP-CRT-PO-001</td>
<td>85 gallon overpack for OTP-CRT-PI-001. This drum is received and transported to lift table 202B. Set contaminated flag to 'Y' and verify empty drum gets sent directly to lift table 202C.</td>
</tr>
<tr>
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<td>DESCRIPTION OF SCENARIO</td>
</tr>
<tr>
<td>---------------</td>
<td>-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>OTP-CRT-PI-002</td>
<td>55 gallon TRU drum for processing at TRU entry in an 85 gal overpack. Receive and store in ASRS. Retrieve and process through NDE and NDA. When drum completes NDA, signal a criticality message from SIE and observe that all material movement is halted until reset. This drum should set off FGE alarm for process area when it hits the airlock. Clear alarm and allow drum to process through normally. With drum OTP-CRT-PI-001 already at TRU entry so this drum should be diverted to RWM BSC and entered into 'TRU ENTRY GB' queue. When OTP-CRT-PI-001 is removed from lift table 202B this drum should get automatically sent to lift table 202B. Read bar code at lift table and set off FGE alarm for TRU glovebox.</td>
</tr>
<tr>
<td>OTP-CRT-PO-002</td>
<td>85 gallon overpack for OTP-CRT-PI-002. Set contaminated flag to 'Y' and verify empty drum gets sent directly to lift table 201D.</td>
</tr>
<tr>
<td>OTP-CRT-PI-003</td>
<td>55 gallon TRU drum for processing at TRU entry in an 85 gal overpack. Receive and store in ASRS. Retrieve and process through NDE and NDA. Clear alarm and allow drum to process through normally. This drum should fill the second position in the RWM BSC 'TRU ENTRY GB' queue.</td>
</tr>
<tr>
<td>OTP-CRT-PO-003</td>
<td>85 gallon overpack for OTP-CRT-PI-003. Set contaminated flag to 'Y' and verify empty drum gets sent to RWM BSC 'LLW GEN EXIT' queue because lift table 201D and 201C are already occupied.</td>
</tr>
<tr>
<td>OTP-CRT-PI-004</td>
<td>Same as OTP-CRT-PI-002 except this drum will get sent to the NDE/NDA BSC because there are no available position in area 3 for a TRU entry drum. When lift table 202B is available this drum should move to RWM BSC automatically.</td>
</tr>
<tr>
<td>OTP-CRT-PO-004</td>
<td>85 gallon overpack for OTP-CRT-PI-004. Set contaminated flag to 'N' and verify empty drum gets sent directly to discharge conveyor via route 103.</td>
</tr>
<tr>
<td>QC-LOW</td>
<td>Low QC drum.</td>
</tr>
<tr>
<td>QC-HIGH</td>
<td>High QC drum.</td>
</tr>
<tr>
<td>BACK-1</td>
<td>Background drum # 1.</td>
</tr>
<tr>
<td>BACK-2</td>
<td>Background drum # 2.</td>
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### ATTACHMENT 6 - DATA TABLES

<table>
<thead>
<tr>
<th>DRUM PIN</th>
<th>DESCRIPTION OF SCENARIO</th>
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</thead>
<tbody>
<tr>
<td>OTP-COLD-TD-01</td>
<td>TRU transfer drum. Starts out in RWM BSC and is transferred to lift table 203B. Run script to simulate filling and return to RWM BSC. Alarm should be generated for no Pu FGE value for one of the packets in the transfer drum at RWM BSC. Send to lift table 201C for simulated sampling. Alarm should be generated for no Pu FGE value for one of the packets in the transfer drum at TRU RWM GB. Return to RWM BSC. Change RADMAT_ID to &quot;T&quot; while drum is still in RWM BSC to simulate drum coming from TRU GB. Send to lift table 201C for simulated processing. Alarm should be generated for Pu FGE limit exceeded at TRU RWM entry. Run script to simulate emptying and transfer back to RWM BSC.</td>
</tr>
<tr>
<td>OTP-COLD-TD-02</td>
<td>LLW transfer drum. Starts out in RWM BSC and is transferred to lift table 203A. Run script to simulate filling and return to RWM BSC. Send to lift table 201F for simulated sampling. Return to RWM BSC. Send to lift table 201F for simulated processing. Run script to simulate emptying and transfer back to RWM BSC.</td>
</tr>
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**END**
## ATTACHMENT 6 - DATA TABLES

### INITIAL DATA SETUP

Table II. Initial data.

<table>
<thead>
<tr>
<th>DMS Data</th>
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### INITIAL DATA FOR ALL SYSTEMS

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### WASTEXT

- Conext_PKG_ID: BACK-A
- Conext_USE_CD: BD
- Conext_WRAP_STAT_CD: W
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- Conext_PROFILE_ID: BCKGND
- Conext_PROFILE_FLAG: N

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### WASTEXT

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- Conext_USE_CD: BD
- Conext_WRAP_STAT_CD: W
- Conext_FILLER_WGT: 100
- Conext_PROFILE_ID: BCKGND
- Conext_PROFILE_FLAG: N
**ATTACHMENT 6 - DATA TABLES**

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<td><strong>CONLOC</strong>&lt;br&gt;CONLOC_PKG_ID = OTP-COLD-TD-01&lt;br&gt;CONLOC_DT = system date&lt;br&gt;CONLOC_LOCN_ID = RWM_CRSNL</td>
</tr>
<tr>
<td>OTP-COLD-TD-02</td>
<td><strong>WASTE</strong>&lt;br&gt;CON_PKG_ID = OTP-COLD-TD-02&lt;br&gt;CON_CNTYP_CD = DM&lt;br&gt;CON_LOCN_FACIL_ID = 2336W&lt;br&gt;CON_PKG_STATUS = G&lt;br&gt;CON_PWTYP_CD = M&lt;br&gt;CON_SCAT_CD = ANY&lt;br&gt;CON_SIZE_DESCR = 55 GALLON&lt;br&gt;CON_TARE_WGT = 27</td>
</tr>
<tr>
<td></td>
<td><strong>WASTEXT</strong>&lt;br&gt;CONEXT_PKG_ID = OTP-COLD-TD-02&lt;br&gt;CONEXT_CONTR_STATUS = E&lt;br&gt;CONEXT_RADMAT_ID = R&lt;br&gt;CONEXT_USE_CD = TD&lt;br&gt;CONEXT_WRAP_STAT_CD = I</td>
</tr>
<tr>
<td></td>
<td><strong>RADDetail</strong>&lt;br&gt;RDET_PKG_ID = OTP-COLD-TD-02&lt;br&gt;RDET_SWTYP_GROUP = LLW</td>
</tr>
<tr>
<td></td>
<td><strong>CONLOC</strong>&lt;br&gt;CONLOC_PKG_ID = OTP-COLD-TD-02&lt;br&gt;CONLOC_DT = system date&lt;br&gt;CONLOC_LOCN_ID = RWM_CRSNL</td>
</tr>
</tbody>
</table>
**ATTACHMENT 6 - DATA TABLES**

**INITIAL DATA FOR ALL SYSTEMS**

<table>
<thead>
<tr>
<th>AGVCS - AREA 1/2</th>
<th>Pickup</th>
<th>Dropoff</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>UNKNOWN DISHCVR (4 entries)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>UNKNOWN N_NCRSL (9 entries)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>UNKNOWN NDE_A</td>
<td></td>
</tr>
<tr>
<td></td>
<td>UNKNOWN NDE_B</td>
<td></td>
</tr>
<tr>
<td></td>
<td>UNKNOWN GEA_A</td>
<td></td>
</tr>
<tr>
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<td>UNKNOWN GEA_B</td>
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</tr>
<tr>
<td></td>
<td>UNKNOWN PAN_A</td>
<td></td>
</tr>
<tr>
<td></td>
<td>UNKNOWN PAN_B</td>
<td></td>
</tr>
<tr>
<td></td>
<td>UNKNOWN AGVAIRC_A1</td>
<td></td>
</tr>
<tr>
<td></td>
<td>UNKNOWN AGVAIRC_B1</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>AGVCS - AREA 3</th>
<th>Pickup</th>
<th>Dropoff</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>UNKNOWN RWM_CRSL (21 entries)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>UNKNOWN AGVSTGC_85 (4 entries)</td>
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<tr>
<td></td>
<td>UNKNOWN AGVSTGC_55 (5 entries)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>UNKNOWN AGVLLWENTR</td>
<td></td>
</tr>
<tr>
<td></td>
<td>UNKNOWN AGVTRULDO1</td>
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</tr>
<tr>
<td></td>
<td>UNKNOWN AGVTRULDO2</td>
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</tr>
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<td>UNKNOWN AGVTRURWEX</td>
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</tr>
<tr>
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<td>UNKNOWN AGVTRURWCL</td>
<td></td>
</tr>
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<td>UNKNOWN AGVTRUCMPT</td>
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</tr>
<tr>
<td></td>
<td>UNKNOWN AGVLLWEXIT</td>
<td></td>
</tr>
<tr>
<td></td>
<td>UNKNOWN AGVLLWRWX</td>
<td></td>
</tr>
<tr>
<td></td>
<td>UNKNOWN AGVTRURWX</td>
<td></td>
</tr>
<tr>
<td></td>
<td>UNKNOWN AGVLLWRWX</td>
<td></td>
</tr>
<tr>
<td></td>
<td>UNKNOWN AGVTRURWEN</td>
<td></td>
</tr>
<tr>
<td></td>
<td>UNKNOWN AGVLLWRWCL</td>
<td></td>
</tr>
<tr>
<td></td>
<td>UNKNOWN AGVLLWRWEN</td>
<td></td>
</tr>
<tr>
<td></td>
<td>UNKNOWN AGVAIRC_B1</td>
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</tr>
</tbody>
</table>

**END**
Table III. RTAP RWM BSC display for initial data.

<table>
<thead>
<tr>
<th>TRU ENTRY GB</th>
<th>LLW ENTRY GB</th>
<th>LLW GEN EXIT</th>
<th>TRU XFER PORT</th>
<th>TRU RWM SAMPLING</th>
<th>S1</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>OTP-COLD-TD-01</td>
</tr>
<tr>
<td></td>
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</tr>
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<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>TRU RWM PROCESS</th>
<th>S2</th>
<th>LLW XFER PORT</th>
<th>LLW RWM SAMPLING</th>
<th>S3</th>
<th>LLW RWM PROCESS</th>
<th>S4</th>
</tr>
</thead>
<tbody>
<tr>
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<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>TRU ENTRY GB</th>
<th>LLW ENTRY GB</th>
<th>LLW GEN EXIT</th>
<th>TRU XFER PORT</th>
<th>TRU RWM SAMPLING</th>
<th>S1</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>OTP-COLD-TD-03</td>
</tr>
<tr>
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<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
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<td></td>
<td></td>
</tr>
</tbody>
</table>
ATTACHMENT 6 - DATA TABLES

SCRIPTS REQUIRED FOR COLDRUN

Update Scripts

crsu1.sql  
Script to set up initial data on SWITS and DMS for all cold run data. This script should delete any existing data.
cru1.sql   
Script to set CONEXT_USE_CD for all empty drums (CON_PKG_STATUS = ‘U’ or ‘I’) to ‘EC’.
cru2.sql   
Set RDET_TOT_PU_FGE = 0 for OTP-CRT-PI-001, set RDET_TOT_PU_FGE = 200 for OTP-CRT-PI-002.
cru3.sql   
Script to set the initial data for transfer drums, packets, and treatment containers.

Query Scripts

crq1       
Script to query all SWITS and DMS data. Should output in compressed format (.lst).
crq2.sql   
Script to display container location including date/time, RDET_TOT_PU_FGE, CON_PKG_STATUS, CONEXT ROUTE_CD, CONEXT_USE_CD, and CONEXT_WRAP_STAT_CD for each drum sorted by drum.
### Table IV - Data description for OTP-COLD-MT-01

<table>
<thead>
<tr>
<th>Initial SWITS Data (SCRIPT)</th>
<th>(S)WASTE</th>
<th>CON_PKG_ID = OTP-COLD-MT-01</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>CON_CNTYP_CD = DM</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CON_LOCN_FACIL_ID = 2401W</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CON_PKG_STATUS = I</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CON_SIZE_DESCR = 55 GALLON</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CON_TARE_WGT = 21</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Data after receipt</th>
<th>(S)WASTE</th>
<th>CON_LOCN_FACIL_ID = 2336W</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Data at airlock going into process area</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Data after scanning at lift table 202D</th>
<th>WASTEXT</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>CONEXT_RADMAT_ID = T</td>
</tr>
<tr>
<td></td>
<td>CONEXT_USE_CD = PD</td>
</tr>
<tr>
<td></td>
<td>CONEXT_WRAP_STAT_CD = I</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>After glovebox processing (SCRIPT)</th>
<th>WASTE</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>CON_GENER_WASTE_DESCR = PRODUCT</td>
</tr>
<tr>
<td></td>
<td>DRUM FROM 202D</td>
</tr>
<tr>
<td></td>
<td>CON_PWTYPE_CD = R</td>
</tr>
<tr>
<td></td>
<td>CON_SCAT_CD = ANY</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>WASTEXT</th>
</tr>
</thead>
<tbody>
<tr>
<td>CONEXT_PROF_ID = TRU-10</td>
</tr>
<tr>
<td>CONEXT_PROF_FLAG = Y</td>
</tr>
</tbody>
</table>
### ATTACHMENT 6 - DATA TABLES

<table>
<thead>
<tr>
<th>Table</th>
<th>Description</th>
<th>Data Tables</th>
</tr>
</thead>
<tbody>
<tr>
<td>IV.6</td>
<td>Airlock exiting process area</td>
<td>PHYSCOMP, CONREL, WASTE, WASTEXT, RADDetail, CONLOC, WASTEXT, NDE, NDA, NDAISO</td>
</tr>
<tr>
<td>IV.7</td>
<td>Discharge conveyor weight scale</td>
<td></td>
</tr>
</tbody>
</table>

**OTP-COLD-MT-01 Empty 55 gal one trip drum headed for TRU exit 202D**

| PHYSCOMP | PHYS_PKG_ID = OTP-COLD-MT-01  
PHYS_COMP_DESCR = CONWEB PADS  
PHYS_COMP_VOL_PCT = 98  
PHYS_COMP_WGT = 127.5  
PHYS_PKG_ID = OTP-COLD-MT-01  
PHYS_COMP_DESCR = WATER  
PHYS_COMP_VOL_PCT = 2  
PHYS_COMP_WGT = 3.9 |
|-----------|-------------------------------------------------|
| CONREL    | CONR_FROM_PKG_ID = OTP-CRT-PI-001  
CONR_TO_PKG_ID = OTP-COLD-MT-01  
CONR_DT = system date/time  
CONR_REL_CD = C  
CONR_FROM_PKG_ID = OTP-CRT-PI-002  
CONR_TO_PKG_ID = OTP-COLD-MT-01  
CONR_DT = system date/time  
CONR_REL_CD = C |

**Airlock exiting process area**

**Table IV.6**

| WASTE | CON_ACCUM_DT = system date/time  
CON_GROSS_WT = conveyor weight  
CON_LABPACK_FLAG = N  
CON_PHYS_STATE_CD = S  
CON_PKG_DT = system date/time  
CON_PKG_STATUS = G  
CON_WASTE_WGT = gross - tare - filler |
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>WASTEXT</td>
<td>CONEXT_CNTR_STATUS = F</td>
</tr>
</tbody>
</table>
| RADDetail | RDET_BG_DOSE_RATE = user entry  
RDET_SEAL_NUM = user entry |
| CONLOC | CONLOC_DT = system date  
CONLOC_LOCN_ID = AIRCVYR_B1 |

**Discharge conveyor weight scale**

**Table IV.7**

| WASTEXT | CONEXT_NDE_VER_FLAG = Y  
CONEXT_RADMAT_ID = F  
CONEXT_TOT_PU_FGE = as returned by SIE  
CONEXT_VER_GROSS_WGT = conveyor weight  
CONEXT_VER_GROSS_WGT_FLAG = Y  
CONEXT_WRAP_STAT_CD = C |
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>NDE</td>
<td>As entered by radiographer</td>
</tr>
<tr>
<td>NDA</td>
<td>As returned by SIE</td>
</tr>
<tr>
<td>NDAISO</td>
<td>As returned by SIE</td>
</tr>
</tbody>
</table>
### ATTACHMENT 6 - DATA TABLES

**OTP-COLD-MT-01 Empty 55 gal one trip drum headed for TRU exit 202D**

| CONLOC | CONLOC DT = system date  
| CONLOC LOCN ID = DISCHCVRW |
| RADMAT | for RADMAT ID = T  
| RADMAT_ALARM = F  
| RADMAT_GB_PK_ID = OTP-COLD-MT-01  
| RADMAT_RAD_TOT = TBD  |

Data after data review

**Table IV.8**

| WASTE | CON_DEBRIS_FLAG = TBD  
| CON_COMPO_WRITE_DATE = TBD  
| CON_DOF Write_DATE = TBD  
| CON_LINE_NR = TBD  
| CON_LINE_TYP = TBD  
| CON_MATRICES = TBD  
| CON_NUMBER = TBD  
| CON_ROUTINE = TBD  
| CON_SCAT_CD = TBD  
| CON_SRCE_CHRG_CD = WRAP  
| CON_SRCE_CMPNY_ID = TBD  
| CON_SRCE_CMPNY_TYPE = TBD  
| CON_SRCE_FACIL_ID = TBD  
| CON_SRCE_ORG = TBD  
| CON_WASTE_STREAM = TBD  
| CON_WSRD_NUM = TBD  
| CON_WSRD_REV = TBD  |

**RADDetail**

| RDET_ASSAY_DT from NDA data  
| RDET_ASSAY_NUM from NDA data  
| RDET_CERT_DT = TBD  
| RDET_HANDLING = C  
| RDET_NEUT_DOSING_RATE = user entry  
| RDET_ORGANIC_VOL_PCT = user entry  
| RDET_ORGANIC_WGT = user entry  
| RDET_RSWIMS_COUNT = 1  
| RDET_SDAR_APPRV_NUM = TBD  
| RDET_SHIELD = TBD  
| RDET_SWIMS_CD = TBD  
| RDET_THERMAL_POWER from NDA data  
| RDET_TOT_ALPHA_CI = calculated  
| RDET_TOT_BG_CI = calculated  
| RDET_TOT_DE_CI = calculated  
| RDET_TOT_PE_CI = calculated  
| RDET_TOT_PU_FGE = calculated  
| RDET_WASTE_MAKEUP = TBD  
| RDET.WRAP_CAT = TBD  |

**ISOQTY**

Data from NDA data review
<table>
<thead>
<tr>
<th>Table IV.9</th>
<th>Empty 55 gal one trip drum headed for TRU exit 202D</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><strong>CONREL</strong></td>
</tr>
<tr>
<td></td>
<td>CONR_FROM_PKG_ID = OTP-CRT-PI-001</td>
</tr>
<tr>
<td></td>
<td>CONR_TO_PKG_ID = OTP-COLD-MT-01</td>
</tr>
<tr>
<td></td>
<td>CONR_DT = system date/time</td>
</tr>
<tr>
<td></td>
<td>CONR_REL_CD = W</td>
</tr>
<tr>
<td></td>
<td>CONR_FROM_PKG_ID = OTP-CRT-PI-002</td>
</tr>
<tr>
<td></td>
<td>CONR_TO_PKG_ID = OTP-COLD-MT-01</td>
</tr>
<tr>
<td></td>
<td>CONR_DT = system date/time</td>
</tr>
<tr>
<td></td>
<td>CONR_REL_CD = W</td>
</tr>
<tr>
<td></td>
<td><strong>WASTE</strong></td>
</tr>
<tr>
<td></td>
<td>CON_LOCN_FACIL_ID = TRANSIT</td>
</tr>
<tr>
<td></td>
<td>CON_PKG_STATUS = A</td>
</tr>
<tr>
<td></td>
<td>CON_SHIP_DT = system date</td>
</tr>
<tr>
<td></td>
<td><strong>CONLOC</strong></td>
</tr>
<tr>
<td></td>
<td>CONLOC_DT = system date</td>
</tr>
<tr>
<td></td>
<td>CONLOC_LOCN_ID = IN_TRANSIT</td>
</tr>
<tr>
<td></td>
<td><strong>RADMAT</strong></td>
</tr>
<tr>
<td></td>
<td>for RADMAT_ID = F</td>
</tr>
<tr>
<td></td>
<td>RADMAT_ALARM = F</td>
</tr>
<tr>
<td></td>
<td>RADMAT_RAD_TOT = 14</td>
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<tr>
<td></td>
<td><strong>(S)WASTE</strong></td>
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<td>All data copied from DMS</td>
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<tr>
<td></td>
<td><strong>(S)RADDETAIL</strong></td>
</tr>
<tr>
<td></td>
<td>All data copied from DMS</td>
</tr>
<tr>
<td></td>
<td><strong>(S)ISOQTY</strong></td>
</tr>
<tr>
<td></td>
<td>All data copied from DMS</td>
</tr>
<tr>
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<td><strong>(S)PHYSCOMP</strong></td>
</tr>
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<td>All data copied from DMS</td>
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<td><strong>(S)SHIPMENT</strong></td>
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<td>All data copied from DMS</td>
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<td><strong>(S)SHIPITEM</strong></td>
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<td><strong>(S)SHIPHIST</strong></td>
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<td>All data copied from DMS</td>
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<tr>
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<td><strong>(S)CONREL</strong></td>
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<td></td>
<td>(S)CONR_FROM_PKG_ID = OTP-CRT-PI-001</td>
</tr>
<tr>
<td></td>
<td>(S)CONR_TO_PKG_ID = OTP-COLD-MT-01</td>
</tr>
<tr>
<td></td>
<td>(S)CONR_DT = system date/time</td>
</tr>
<tr>
<td></td>
<td>(S)CONR_REL_CD = W</td>
</tr>
<tr>
<td></td>
<td>(S)CONR_FROM_PKG_ID = OTP-CRT-PI-002</td>
</tr>
<tr>
<td></td>
<td>(S)CONR_TO_PKG_ID = OTP-COLD-MT-01</td>
</tr>
<tr>
<td></td>
<td>(S)CONR_DT = system date/time</td>
</tr>
<tr>
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<td>(S)CONR_REL_CD = W</td>
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</tbody>
</table>

**END**
## Table V - Data description for OTP-COLD-MT-02

<table>
<thead>
<tr>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Initial SWITS Data (SCRIPT)</td>
<td>Empty 55 gal one trip drum headed for TRU exit 202E</td>
</tr>
<tr>
<td>Table V.1</td>
<td><strong>(S)WASTE</strong> (S)CON_PKG_ID = OTP-COLD-MT-02 (S)CON_CNTYP_CD = DM (S)CON_LOCN_FACIL_ID = 2401W (S)CON_PKG_STATUS = I (S)CON_SIZE_DESCR = 55 GALLON (S)CON_TARE_WGT = 21</td>
</tr>
<tr>
<td>Data after receipt</td>
<td><strong>(S)WASTE</strong> (S)CON_LOCN_FACIL_ID = 2336W</td>
</tr>
<tr>
<td>Table V.2</td>
<td><strong>WASTE</strong> CON_PKG_ID = OTP-COLD-MT-02 CON_CNTYP_CD = DM CON_LOCN_FACIL_ID = 2336W CON_PKG_STATUS = I CON_SIZE_DESCR = 55 GALLON CON_TARE_WGT = 21</td>
</tr>
<tr>
<td>Data after scanning at lift table 202E</td>
<td><strong>WASTEXT</strong> CONEXT_PKG_ID = OTP-COLD-MT-02 CONEXT_USE_CD = EC CONEXT_WRAP_STAT_CD = W CONEXT_ROUTE_CD = 4</td>
</tr>
<tr>
<td>Table V.3</td>
<td><strong>CONLOC</strong> CONLOC_PKG_ID = OTP-COLD-MT-02 CONLOC_DT = system date CONLOC_LOCN_ID = RECDCK</td>
</tr>
<tr>
<td>Data at airlock going into process area</td>
<td><strong>CONLOC</strong> CONLOC_PKG_ID = OTP-COLD-MT-01 CONLOC_DT = system date CONLOC_LOCN_ID = RECDCK</td>
</tr>
<tr>
<td>Table V.4</td>
<td><strong>WASTEXT</strong> CONEXT_RADMAT_ID = T CONEXT_USE_CD = PD CONEXT_WRAP_STAT_CD = I</td>
</tr>
<tr>
<td>After glovebox processing (SCRIPT)</td>
<td><strong>RADDETAIL</strong> RDET_PKG_ID = OTP-COLD-MT-02 RDET_SWTYP_GROUP = TRU</td>
</tr>
<tr>
<td>Table V.5</td>
<td><strong>CONLOC</strong> CONLOC_DT = system date CONLOC_LOCN_ID = TRU_LDO2T2</td>
</tr>
<tr>
<td></td>
<td><strong>WASTE</strong> CON_GENER_WASTE_DESCR = PRODUCT DRUM FROM 202E CON_PKTYP_CD = R CON_SCAT_CD = ANY</td>
</tr>
<tr>
<td></td>
<td><strong>WASTEXT</strong> CONEXT_PROF_ID = TRU-10 CONEXT_PROF_FLAG = Y</td>
</tr>
</tbody>
</table>
### ATTACHMENT 6 - DATA TABLES

**OTP-COLD-MT-02 Empty 55 gal one trip drum headed for TRU exit 202E**

| PHYSCOMP | PHYS_PKG_ID = OTP-COLD-MT-02  
PHYS_COMP_DESCR = CLOTH/RAGS/NYLON  
PHYS_COMP_VOL_PCT = 70  
PHYS_COMP_WGT = 13.6  
PHYS_PKG_ID = OTP-COLD-MT-02  
PHYS_COMP_DESCR = PLASTIC/POLYURATHANE  
PHYS_COMP_VOL_PCT = 30  
PHYS_COMP_WGT = 4.1 |
|---|---|
| CONREL | CONR_FROM_PKG_ID = OTP-CRT-PI-003  
CONR_TO_PKG_ID = OTP-COLD-MT-02  
CONR_DT = system date/time  
CONR_REL_CD = C  
CONR_FROM_PKG_ID = OTP-CRT-PI-004  
CONR_TO_PKG_ID = OTP-COLD-MT-02  
CONR_DT = system date/time  
CONR_REL_CD = C |
| WASTE | CON_ACCUM_DT = system date  
CON_GROSS_WT = conveyor weight  
CON_LABPACK_FLAG = N  
CON_PHYS_STATE_CD = S  
CON_PKG_DT = system date  
CON_PKG_STATUS = G  
CON_WASTE_WGT = gross - tare - filler |
| WASTEXT | CONEXT_CNTR_STATUS = F |
| RADDDETAIL | RDET_BG_DOSE_RATE = user entry  
RDET_SEAL_NUM = user entry |
| CONLOC | CONLOC_DT = system date  
CONLOC_LOCN_ID = AIRCVYR_B1 |
| WASTEXT | CONEXT_NDE_VER_FLAG = Y  
CONEXT_RADMAT_ID = F  
CONEXT_TOT_PU_FGE = as returned by SIE  
CONEXT_VER_GROSS_WGT = conveyor weight  
CONEXT_VER_GROSS_WGT_FLAG = Y  
CONEXT_WRAP_STAT_CD = C |
| NDE | As entered by radiographer |
| NDA | As returned by SIE |
## ATTACHMENT 6 - DATA TABLES

### OTP-COLD-MT-02 Empty 55 gal one trip drum headed for TRU exit 202E

<table>
<thead>
<tr>
<th>NDAISO</th>
<th>As returned by SIE</th>
</tr>
</thead>
<tbody>
<tr>
<td>CONLOC</td>
<td>CONLOC_DT = system date</td>
</tr>
<tr>
<td></td>
<td>CONLOC_LOCN_ID = DISCHCVRW</td>
</tr>
<tr>
<td>RADMAT</td>
<td>for RADMAT_ID = T</td>
</tr>
<tr>
<td></td>
<td>RADMAT_ALARM = F</td>
</tr>
<tr>
<td></td>
<td>RADMAT_GB_PK_ID = OTP-COLD-MT-02</td>
</tr>
<tr>
<td></td>
<td>RADMAT_RAD_TOT = TBD</td>
</tr>
</tbody>
</table>

**Data after data review**

Table V.8

| WASTE | CON_DEBRIS_FLAG = TBD |
|       | CON_CHEM_NATURE_CD = TBD |
|       | CON_CNTR_VOL = TBD |
|       | CON_DOT_SPEC = TBD |
|       | CON_GENER_ID = id of data reviewer |
|       | CON_GGRP_ID = WRAP |
|       | CON_ITEM_NUM = TBD |
|       | CON_MFST_NUM = TBD |
|       | CON_ROUTINE = TBD |
|       | CON_SCAT_CD = TBD |
|       | CON_SRCE_CHRG_CD = WRAP |
|       | CON_SRCE_CMPNY_ID = TBD |
|       | CON_SRCE_CMPNY_TYPE = TBD |
|       | CON_SRCE_FACIL_ID = TBD |
|       | CON_SRCE_ORG = TBD |
|       | CON_WASTE_STREAM = TBD |
|       | CON_WSVD_NUM = TBD |
|       | CON_WSVD_REV = TBD |

| RADDETAIL | RDET_ASSAY_DT from NDA data |
|           | RDET_ASSAY_NUM from NDA data |
|           | RDET_CERT_DT = TBD |
|           | RDET_HANDLING = C |
|           | RDET_NEUT_DOSE_RATE = user entry |
|           | RDET_ORGANIC_VOL_PCT = user entry |
|           | RDET_ORGANIC_WGT = user entry |
|           | RDET_RSWIMS_COUNT = 1 |
|           | RDET_SDAV_APPRV_NUM = TBD |
|           | RDET_SHIELD = TBD |
|           | RDET_SWIMS_CD = TBD |
|           | RDET_THERMAL_POWER from NDA data |
|           | RDET_TOT_ALPHA_CI = calculated |
|           | RDET_TOT_BG_CI = calculated |
|           | RDET_TOT_DE_CI = calculated |
|           | RDET_TOT_PE_CI = calculated |
|           | RDET_TOT_PU_FGE = calculated |
|           | RDET_WASTE_MAKEUP = TBD |
|           | RDET_WRAP_CAT = TBD |
## ATTACHMENT 6 - DATA TABLES

<table>
<thead>
<tr>
<th>ISOQTY</th>
<th>Data from NDA data review</th>
</tr>
</thead>
</table>
| CONREL | CONR_FROM_PKG_ID = OTP-CRT-PI-003  
CONR_TO_PKG_ID = OTP-COLD-MT-02  
CONR_DT = system date/time  
CONR_REL_CD = W |
| | CONR_FROM_PKG_ID = OTP-CRT-PI-004  
CONR_TO_PKG_ID = OTP-COLD-MT-02  
CONR_DT = system date/time  
CONR_REL_CD = W |

**Data after drum shipped**

### Table V.9

<table>
<thead>
<tr>
<th>WASTE</th>
<th>CONLOC</th>
<th>RADMAT</th>
</tr>
</thead>
</table>
| CON_LOCN_FACIL_ID = TRANSIT  
CON_PKG_STATUS = A  
CON_SHIP_DT = system date | CONLOC_DT = system date  
CONLOC_LOCN_ID = IN_TRANSIT | for RADMAT_ID = F  
RADMAT_ALARM = F  
RADMAT_RAD_TOT = 14 |

- (S)WASTE All data copied from DMS
- (S)RADDetail All data copied from DMS
- (S)ISOQTY All data copied from DMS
- (S)PHYSCOMP All data copied from DMS
- (S)SHIPMENT All data copied from DMS
- (S)SHIPITEM All data copied from DMS
- (S)SHIPHIST All data copied from DMS

### (S)CONREL

- (S)CONR_FROM_PKG_ID = OTP-CRT-PI-003  
(S)CONR_TO_PKG_ID = OTP-COLD-MT-02  
(S)CONR_DT = system date/time  
(S)CONR_REL_CD = W  
(S)CONR_FROM_PKG_ID = OTP-CRT-PI-004  
(S)CONR_TO_PKG_ID = OTP-COLD-MT-02  
(S)CONR_DT = system date/time  
(S)CONR_REL_CD = W

END
Table VI - Data description for OTP-COLD-MT-03

<table>
<thead>
<tr>
<th>Initial SWITS Data (SCRIPT)</th>
<th>(S)WASTE</th>
<th>(S)CON_PKG_ID = OTP-COLD-MT-03</th>
</tr>
</thead>
<tbody>
<tr>
<td>Table VI.1</td>
<td></td>
<td>(S)CON_PKG_ID = OTP-COLD-MT-03</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(S)CON_CNTYP_CD = DM</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(S)CON_LOCN_FACIL_ID = 2401W</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(S)CON_PKG_STATUS = I</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(S)CON_SIZE_DESCR = 55 GALLON</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(S)CON_TARE_WGT = 21</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Data after receipt</th>
<th>(S)WASTE</th>
<th>(S)CON_LOCN_FACIL_ID = 2336W</th>
</tr>
</thead>
<tbody>
<tr>
<td>Table VI.2</td>
<td>WASTE</td>
<td>CON_PKG_ID = OTP-COLD-MT-03</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CON_CNTYP_CD = DM</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CON_LOCN_FACIL_ID = 2336W</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CON_PKG_STATUS = I</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CON_SIZE_DESCR = 55 GALLON</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CON_TARE_WGT = 21</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>WASTEXT</th>
<th>CONEXT_PKG_ID = OTP-COLD-MT-03</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>CONEXT_USE_CD = EC</td>
</tr>
<tr>
<td></td>
<td>CONEXT_WRAP_STAT_CD = W</td>
</tr>
<tr>
<td></td>
<td>CONEXT_ROUTE_CD = 4</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>CONLOC</th>
<th>CONLOC_PKG_ID = OTP-COLD-MT-03</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>CONLOC_DT = system date</td>
</tr>
<tr>
<td></td>
<td>CONLOC_LOCN_ID = RECDCK</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Data at airlock going into process area</th>
<th>WASTEXT</th>
<th>CONEXT_RADMAT_ID = R</th>
</tr>
</thead>
<tbody>
<tr>
<td>Table VI.3 (Not used)</td>
<td></td>
<td>CONEXT_USE_CD = PD</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CONEXT_WRAP_STAT_CD = 1</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Data after scanning at lift table 201A</th>
<th>WASTEXT</th>
<th>CONEXT_RADMAT_ID = R</th>
</tr>
</thead>
<tbody>
<tr>
<td>Table VI.4</td>
<td></td>
<td>CONEXT_USE_CD = PD</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CONEXT_WRAP_STAT_CD = 1</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>RADDDETAIL</th>
<th>RDET_PKG_ID = OTP-COLD-MT-03</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>RDET_SWTyP_GROUP = TRU</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>CONLOC</th>
<th>CONLOC_DT = system date</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>CONLOC_LOCN_ID = TRUWEXIT</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>After glovebox processing (SCRIPT)</th>
<th>WASTE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Table VI.5</td>
<td></td>
</tr>
<tr>
<td></td>
<td>CON_GENER_WASTE_DESCR = PRODUCT</td>
</tr>
<tr>
<td></td>
<td>DRUM FROM 201A</td>
</tr>
<tr>
<td></td>
<td>CON_PWTYPE_CD = M</td>
</tr>
<tr>
<td></td>
<td>CON_SCAT_CD = ANY</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>WASTEXT</th>
<th>CONEXT_PROF_ID = TRU-10</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>CONEXT_PROF_FLAG = Y</td>
</tr>
</tbody>
</table>
### ATTACHMENT 6 - DATA TABLES

**OTP-COLD-MT-03 Empty 55 gal one trip drum headed for TRU RWM exit 201A**

<table>
<thead>
<tr>
<th>PHYSCOMP</th>
<th>PHYS_PKG_ID = OTP-TRUR-PD-01</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>PHYS_COMP_DESCR = ABSORBED</td>
</tr>
<tr>
<td></td>
<td>AQUEOUS SOLUTION</td>
</tr>
<tr>
<td></td>
<td>PHYS_COMP_VOL_PCT = 60</td>
</tr>
<tr>
<td></td>
<td>PHYS_COMP_WGT = 6</td>
</tr>
<tr>
<td></td>
<td>PHYS_PKG_ID = OTP-TRUR-PD-01</td>
</tr>
<tr>
<td></td>
<td>PHYS_COMP_DESCR = PLASTIC/POLY</td>
</tr>
<tr>
<td></td>
<td>URATHANE</td>
</tr>
<tr>
<td></td>
<td>PHYS_COMP_VOL_PCT = 5</td>
</tr>
<tr>
<td></td>
<td>PHYS_COMP_WGT = 2</td>
</tr>
<tr>
<td></td>
<td>PHYS_PKG_ID = OTP-TRUR-PD-01</td>
</tr>
<tr>
<td></td>
<td>PHYS_COMP_DESCR = HAZARDOUS CONSTITUENTS</td>
</tr>
<tr>
<td></td>
<td>PHYS_COMP_VOL_PCT = 35</td>
</tr>
<tr>
<td></td>
<td>PHYS_COMP_WGT = 4</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>HAZDETAIL</th>
<th>HDET_PKG_ID = OTP-COLD-MT-03</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEMCOMP</td>
<td>HAZ_PKG_ID = OTP-COLD-MT-03</td>
</tr>
<tr>
<td></td>
<td>HAZ_COMP_ID = 67-64-1</td>
</tr>
<tr>
<td></td>
<td>HAZ_COMP_TEXT = ACETONE</td>
</tr>
<tr>
<td></td>
<td>HAZ_COMP_WGT = 3</td>
</tr>
<tr>
<td></td>
<td>HAZ_PKG_ID = OTP-COLD-MT-03</td>
</tr>
<tr>
<td></td>
<td>HAZ_COMP_ID = 64742-63-8</td>
</tr>
<tr>
<td></td>
<td>HAZ_COMP_TEXT = REFINED PETROLEUM OIL</td>
</tr>
<tr>
<td></td>
<td>HAZ_COMP_WGT = 2</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>CONREL</th>
<th>CONR_FROM_PKG_ID = OTP-CRT-TC-001</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>CONR_TO_PKG_ID = OTP-COLD-MT-03</td>
</tr>
<tr>
<td></td>
<td>CONR_DT = sysdate</td>
</tr>
<tr>
<td></td>
<td>CONR_REL_CD = C</td>
</tr>
<tr>
<td></td>
<td>CONR_FROM_PKG_ID = OTP-CRT-TC-002</td>
</tr>
<tr>
<td></td>
<td>CONR_TO_PKG_ID = OTP-COLD-MT-03</td>
</tr>
<tr>
<td></td>
<td>CONR_DT = sysdate</td>
</tr>
<tr>
<td></td>
<td>CONR_REL_CD = C</td>
</tr>
<tr>
<td></td>
<td>CONR_FROM_PKG_ID = OTP-CRT-TC-003</td>
</tr>
<tr>
<td></td>
<td>CONR_TO_PKG_ID = OTP-COLD-MT-03</td>
</tr>
<tr>
<td></td>
<td>CONR_DT = sysdate</td>
</tr>
<tr>
<td></td>
<td>CONR_REL_CD = C</td>
</tr>
<tr>
<td></td>
<td>CONR_FROM_PKG_ID = OTP-CRT-TC-004</td>
</tr>
<tr>
<td></td>
<td>CONR_TO_PKG_ID = OTP-COLD-MT-03</td>
</tr>
<tr>
<td></td>
<td>CONR_DT = sysdate</td>
</tr>
<tr>
<td></td>
<td>CONR_REL_CD = C</td>
</tr>
</tbody>
</table>

---

**THINK ALARA IN ALL WE DO**
### ATTACHMENT 6 - DATA TABLES

#### OTP-COLD-MT-03 Empty 55 gal one trip drum headed for TRU RWM exit 201A

<table>
<thead>
<tr>
<th>Field Description</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>CONR_FROM_PKG_ID</td>
<td>OTP-CRT-TC-005</td>
</tr>
<tr>
<td>CONR_TO_PKG_ID</td>
<td>OTP-COLD-MT-03</td>
</tr>
<tr>
<td>CONR_DT</td>
<td>sysdate</td>
</tr>
<tr>
<td>CONR_REL_CD</td>
<td>C</td>
</tr>
</tbody>
</table>

**Airlock exiting process area**

<table>
<thead>
<tr>
<th>Field Description</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>WASTE</td>
<td></td>
</tr>
<tr>
<td>CON_WASTE_WGT</td>
<td>gross - tare - filler</td>
</tr>
<tr>
<td>CON_GROSS_WT</td>
<td>conveyor weight</td>
</tr>
<tr>
<td>CON_LABPACK_FLAG</td>
<td>N</td>
</tr>
<tr>
<td>CON_PHYS_STATE_CD</td>
<td>S</td>
</tr>
<tr>
<td>CON_PKG_DT</td>
<td>system date/time</td>
</tr>
<tr>
<td>CON_PKG_STATUS</td>
<td>G</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Field Description</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>CON_CTRN_STATUS</td>
<td>F</td>
</tr>
</tbody>
</table>

**Discharge conveyor weight scale**

<table>
<thead>
<tr>
<th>Field Description</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>WASTEXT</td>
<td>CONEXT_CNTRN_STATUS = F</td>
</tr>
<tr>
<td>RADDDETAIL</td>
<td>RDET_BG_DOSE_RATE = user entry</td>
</tr>
<tr>
<td></td>
<td>RDET_SEAL_NUM = user entry</td>
</tr>
<tr>
<td>CONLOC</td>
<td>CONLOC_DT = system date</td>
</tr>
<tr>
<td></td>
<td>CONLOC_LOCN_ID = AIRCVYR_B1</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Field Description</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>WASTEXT</td>
<td>CONEXT_NDE_VER_FLAG = Y</td>
</tr>
<tr>
<td></td>
<td>CONEXT_RADMAT_ID = F</td>
</tr>
<tr>
<td></td>
<td>CONEXT_TOT_PU_FGE = as returned by SIE</td>
</tr>
<tr>
<td></td>
<td>CONEXT_VER_GROSS_WGT = conveyor weight</td>
</tr>
<tr>
<td></td>
<td>CONEXT_VER_GROSS_WGT_FLAG = Y</td>
</tr>
<tr>
<td></td>
<td>CONEXT_WRAP_STAT_CD = C</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Field Description</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>NDE</td>
<td>As entered by radiographer</td>
</tr>
<tr>
<td>NDA</td>
<td>As returned by SIE</td>
</tr>
<tr>
<td>NDAISO</td>
<td>As returned by SIE</td>
</tr>
</tbody>
</table>

**CHEMCOMP**

<table>
<thead>
<tr>
<th>Field Description</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>for each HAZ_PKG_ID,</td>
</tr>
<tr>
<td></td>
<td>HAZ.Comp_WGT_PCT = HAZ.Comp_WGT/CON.WASTE_WGT</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Field Description</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>CONLOC</td>
<td>CONLOC_DT = system date</td>
</tr>
<tr>
<td></td>
<td>CONLOC_LOCN_ID = DISCHCVRW</td>
</tr>
</tbody>
</table>

**RADMAT**

<table>
<thead>
<tr>
<th>Field Description</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>for RADMAT_ID = R</td>
</tr>
<tr>
<td></td>
<td>RADMAT_ALARM = F</td>
</tr>
<tr>
<td></td>
<td>RADMAT_GB_PKG_ID = OTP-COLD-MT-03</td>
</tr>
<tr>
<td></td>
<td>RADMAT_RAD_TOT = TBD</td>
</tr>
<tr>
<td>Data after data review</td>
<td>WASTE</td>
</tr>
<tr>
<td>------------------------</td>
<td>-------</td>
</tr>
<tr>
<td>Table VI.8</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Field</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>CON_DEBRIS_FLAG</td>
<td>TBD</td>
</tr>
<tr>
<td>CON_CHEM_NATURE_CD</td>
<td>TBD</td>
</tr>
<tr>
<td>CON_CNTR_VOL</td>
<td>TBD</td>
</tr>
<tr>
<td>CON_DOT_SPEC</td>
<td>TBD</td>
</tr>
<tr>
<td>CON_GENER_ID</td>
<td>id of data reviewer</td>
</tr>
<tr>
<td>CON_GGRP_ID</td>
<td>WRAP</td>
</tr>
<tr>
<td>CON_ITEM_NUM</td>
<td>TBD</td>
</tr>
<tr>
<td>CON_MFR_NUM</td>
<td>TBD</td>
</tr>
<tr>
<td>CON_ROUTINE</td>
<td>TBD</td>
</tr>
<tr>
<td>CON_SCAT_CD</td>
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<tr>
<td>CON_SRC_CHEM_CD</td>
<td>WRAP</td>
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<tr>
<td>CON_SRC_CMPNY_TYPE</td>
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<tr>
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<tr>
<td>CON_SRC_ORG</td>
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<tr>
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<tr>
<td>CON_WRD_NUM</td>
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<td>CON_WRD_REV</td>
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</tr>
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<td>from NDA data</td>
</tr>
<tr>
<td>R_DET_CERT_DT</td>
<td>TBD</td>
</tr>
<tr>
<td>R_DET_HANDLING</td>
<td>C</td>
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<tr>
<td>R_DET_NEUT_DOSR_RATE</td>
<td>user entry</td>
</tr>
<tr>
<td>R_DET_ORGANIC_VOL_PCT</td>
<td>user entry</td>
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<tr>
<td>R_DET_ORGANIC_WGT</td>
<td>user entry</td>
</tr>
<tr>
<td>R_DET_RSWIMS_COUNT</td>
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<td>R_DET_SDAR_APPRV_NUM</td>
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<td>R_DET_SHIELD</td>
<td>TBD</td>
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<tr>
<td>R_DET_SWSM_CD</td>
<td>TBD</td>
</tr>
<tr>
<td>R_DET_THERMAL_POWER</td>
<td>from NDA data</td>
</tr>
<tr>
<td>R_DET_TOT_ALPHA_CI</td>
<td>calculated</td>
</tr>
<tr>
<td>R_DET_TOT_BG_CI</td>
<td>calculated</td>
</tr>
<tr>
<td>R_DET_TOT_DE_CI</td>
<td>calculated</td>
</tr>
<tr>
<td>R_DET_TOT_PE_CI</td>
<td>calculated</td>
</tr>
<tr>
<td>R_DET_TOT_PU_FGE</td>
<td>calculated</td>
</tr>
<tr>
<td>R_DET_WASTE_MAKEUP</td>
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<td>R_DET_WRAP_CAT</td>
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<th>Field</th>
<th>Value</th>
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<tr>
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<td>Data from NDA data review</td>
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## ATTACHMENT 6 - DATA TABLES

### OTP-COLD-MT-03 Empty 55 gal one trip drum headed for TRU RWM exit 201A

<table>
<thead>
<tr>
<th>Data after drum shipped</th>
<th>WASTE</th>
<th>CONLOC</th>
<th>RADMAT</th>
<th>(S)WASTE</th>
<th>(S)RADDetail</th>
<th>(S)ISOQTY</th>
<th>(S)PHYSComp</th>
<th>(S)HAZDetail</th>
<th>(S)CHEMComp</th>
<th>(S)SHIPMENT</th>
<th>(S)SHIPITEM</th>
<th>(S)SHIPHIST</th>
<th>(S)CONREL</th>
</tr>
</thead>
<tbody>
<tr>
<td>CONREL</td>
<td>CONR_FROM_PKG_ID = OTP_CRT_PI_002&lt;br&gt;CONR_TO_PKG_ID = OTP_COLD_MT_03&lt;br&gt;CONR_DT = system date/time&lt;br&gt;CONR_REL_CD = W</td>
<td>CONR_FROM_PKG_ID = OTP_CRT_PI_004&lt;br&gt;CONR_TO_PKG_ID = OTP_COLD_MT_03&lt;br&gt;CONR_DT = system date/time&lt;br&gt;CONR_REL_CD = W</td>
<td>for RADMAT_ID = F&lt;br&gt;RADMAT_ALARM = F&lt;br&gt;RADMAT_RAD_TOT = 14</td>
<td>All data copied from DMS</td>
<td>All data copied from DMS</td>
<td>All data copied from DMS</td>
<td>All data copied from DMS</td>
<td>All data copied from DMS</td>
<td>All data copied from DMS</td>
<td>All data copied from DMS</td>
<td>All data copied from DMS</td>
<td>(S)CONR_FROM_PKG_ID = OTP_CRT_PI_002&lt;br&gt;(S)CONR_TO_PKG_ID = OTP_COLD_MT_03&lt;br&gt;(S)CONR_DT = system date/time&lt;br&gt;(S)CONR_REL_CD = W</td>
<td>(S)CONR_FROM_PKG_ID = OTP_CRT_PI_004&lt;br&gt;(S)CONR_TO_PKG_ID = OTP_COLD_MT_03&lt;br&gt;(S)CONR_DT = system date/time&lt;br&gt;(S)CONR_REL_CD = W</td>
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### Table VI.9

All data copied from DMS
## Table VII - Data description for OTP-COLD-MT-04

<table>
<thead>
<tr>
<th>Description</th>
<th>START (S)WASTE</th>
<th>END (S)CON_PKG_ID</th>
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<tbody>
<tr>
<td>Initial SWITS Data (SCRIPT)</td>
<td>(S)WASTE</td>
<td>OTP-COLD-MT-04</td>
</tr>
<tr>
<td>Table VII.1</td>
<td></td>
<td>CON_PKG_ID = OTP-COLD-MT-04</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CON(pkt)_CD = DM</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CON.LOCN_FACIL_ID = 2401W</td>
</tr>
<tr>
<td>Data after receipt and after running script cru1.sql.</td>
<td>(S)WASTE</td>
<td>CON_PKG_STATUS = I</td>
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<tr>
<td>Table VII.2</td>
<td></td>
<td>CON_SIZE_DESCR = 55 GALLON</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CON_TARE_WGT = 21</td>
</tr>
<tr>
<td>Data at airlock going into process area</td>
<td>WASTE</td>
<td></td>
</tr>
<tr>
<td>Table VII.3 (Not used)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Data after scanning at lift table 201B</td>
<td>WASTEXT</td>
<td></td>
</tr>
<tr>
<td>Table VII.4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>After glovebox processing (SCRIPT)</td>
<td>WASTE</td>
<td></td>
</tr>
<tr>
<td>Table VII.5</td>
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<td></td>
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<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>START (S)WASTE</th>
<th>END (S)CON_PKG_ID</th>
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</thead>
<tbody>
<tr>
<td>Initial SWITS Data (SCRIPT)</td>
<td>(S)WASTE</td>
<td>OTP-COLD-MT-04</td>
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<tr>
<td>Table VII.1</td>
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<td>CON_PKG_ID = OTP-COLD-MT-04</td>
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<tr>
<td></td>
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<td>CON(pkt)_CD = DM</td>
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<td>CON.LOCN_FACIL_ID = 2401W</td>
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<tr>
<td>Data after receipt and after running script cru1.sql.</td>
<td>(S)WASTE</td>
<td>CON_PKG_STATUS = I</td>
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<tr>
<td>Table VII.2</td>
<td></td>
<td>CON_SIZE_DESCR = 55 GALLON</td>
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<tr>
<td></td>
<td></td>
<td>CON_TARE_WGT = 21</td>
</tr>
<tr>
<td>Data at airlock going into process area</td>
<td>WASTE</td>
<td></td>
</tr>
<tr>
<td>Table VII.3 (Not used)</td>
<td>WASTEXT</td>
<td></td>
</tr>
<tr>
<td>Data after scanning at lift table 201B</td>
<td>WASTEXT</td>
<td></td>
</tr>
<tr>
<td>Table VII.4</td>
<td>RADDetail</td>
<td>RDET_PKG_ID = OTP-COLD-MT-04</td>
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<tr>
<td></td>
<td>RDET_SWTYP_GROUP = TRU</td>
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<tr>
<td>After glovebox processing (SCRIPT)</td>
<td>WASTE</td>
<td>CON_GENER_WASTE_DESCR = PRODUCT</td>
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<td>Table VII.5</td>
<td></td>
<td>DRUM FROM 201B</td>
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<td></td>
<td>CON_PW&gt;Type_CD = R</td>
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<td></td>
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<td>CON_SCAT_CD = ANY</td>
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<td></td>
<td></td>
<td>WASTEXT</td>
</tr>
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<td></td>
<td></td>
<td>CONEXT_PROF_ID = TRU-10</td>
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<td></td>
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<td>CONEXT_PROF_FLAG = Y</td>
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**ATTACHMENT 6 - DATA TABLES**

<table>
<thead>
<tr>
<th>PHYSCOMP</th>
<th>CONREL</th>
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| PHYS_PKG_ID = OTP-TRUR-PD-11  
PHYS_COMP_DESCR = PLASTIC/POLYURETHANE  
PHYS_COMP_WGT = 4  
PHYS_COMP_VOL_PCT = 40  
PHYS_PKG_ID = OTP-TRUR-PD-11  
PHYS_COMP_DESCR = METAL/IRON/ 
GALVANIZED/SHEET  
PHYS_COMP_WGT = 1  
PHYS_COMP_VOL_PCT = 10  
PHYS_PKG_ID = OTP-TRUR-PD-11  
PHYS_COMP_DESCR = CLOTH/RAGS/ 
NYLON/TAPE/ROPE  
PHYS_COMP_WGT = 4  
PHYS_COMP_VOL_PCT = 50  
CONR_FROM_PKG_ID = OTP6-97-000001  
CONR_TO_PKG_ID = OTP-TRUR-PD-11  
CONR_DT = sysdate  
CONR_REL_CD = C  
CONR_FROM_PKG_ID = OTP6-97-000002  
CONR_TO_PKG_ID = OTP-TRUR-PD-11  
CONR_DT = sysdate  
CONR_REL_CD = C  
CONR_FROM_PKG_ID = OTP6-97-000003  
CONR_TO_PKG_ID = OTP-TRUR-PD-11  
CONR_DT = sysdate  
CONR_REL_CD = C  
CONR_FROM_PKG_ID = OTP6-97-000004  
CONR_TO_PKG_ID = OTP-TRUR-PD-11  
CONR_DT = sysdate  
CONR_REL_CD = C  
CONR_FROM_PKG_ID = OTP6-97-000005  
CONR_TO_PKG_ID = OTP-TRUR-PD-11  
CONR_DT = sysdate  
CONR_REL_CD = C  
CONR_FROM_PKG_ID = OTP6-97-000010  
CONR_TO_PKG_ID = OTP-TRUR-PD-11  
CONR_DT = sysdate  
CONR_REL_CD = C  

**OTP-COLD-MT-04 Empty 55 gal one trip drum headed for TRU RWM exit 201B**
<table>
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<tr>
<th>Table VII.6</th>
<th>Table VII.7</th>
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<td><strong>Waste</strong></td>
<td><strong>Conveyor Weight</strong></td>
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<td>CONR_FROM_PKG_ID = OTP-TRUR-PD-11</td>
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<tr>
<td>CONR_TO_PKG_ID = OTP-TRUR-PD-11</td>
<td>CONR_TO_PKG_ID = OTP-TRUR-PD-11</td>
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<td>CONR_DT = sysdate</td>
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<tr>
<td>CONR_REL_CD = C</td>
<td>CONR_REL_CD = C</td>
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<tr>
<td>CON_ACCUM_DT = system date</td>
<td>CON_ACCUM_DT = system date</td>
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<tr>
<td>CON_GROSS_WT = conveyor weight</td>
<td>CON_GROSS_WT = conveyor weight</td>
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<tr>
<td>CON_LABPACK_FLAG = N</td>
<td>CON_LABPACK_FLAG = N</td>
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<tr>
<td>CON_PHYS_STATE_CD = S</td>
<td>CON_PHYS_STATE_CD = S</td>
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<td>CON_PKG_DT = system date</td>
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<td>CON_PKG_STATUS = G</td>
<td>CON_PKG_STATUS = G</td>
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<tr>
<td>CON_WASTE_WGT = gross - tare - filler</td>
<td>CON_WASTE_WGT = gross - tare - filler</td>
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<tr>
<td>CONEXT_CNTR_STATUS = F</td>
<td>CONEXT_CNTR_STATUS = F</td>
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<tr>
<td>RDET_BG_DOSE_RATE = user entry</td>
<td>RDET_BG_DOSE_RATE = user entry</td>
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<td>RDET_SEAL_NUM = user entry</td>
<td>RDET_SEAL_NUM = user entry</td>
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<td>CONLOC DT = system date</td>
<td>CONLOC DT = system date</td>
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<td>CONLOC_LOCN_ID = AIRCVYR_B1</td>
<td>CONLOC_LOCN_ID = AIRCVYR_B1</td>
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<td></td>
<td>CONLOC_LOCN_ID = DISCHCVRW</td>
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<td>CONEXT_RADMAT_ID = F</td>
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<td>CONEXT_VER_GROSS_WGT = conveyor weight</td>
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<td>CONEXT_WRAP_STAT_CD = C</td>
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<td>As entered by radiographer</td>
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<tr>
<td>NDA</td>
<td>As returned by SIE</td>
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<td>NDAISO</td>
<td>As returned by SIE</td>
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<td>RADMAT</td>
<td>for RADMAT_ID = R</td>
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<td>RADMAT_GB_PK_ID = OTP-COLD-MT-04</td>
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<td>RADMAT_RAD_TOT = TBD</td>
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### ATTACHMENT 6 - DATA TABLES

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<tr>
<th>Table VII.B</th>
<th>Empty 55 gal one trip drum headed for TRU RWM exit 201B</th>
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<td><strong>Data after data review</strong></td>
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<td><strong>CON_DEBRIS_FLAG = TBD</strong></td>
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<td><strong>CON_CHEM_NATURE_CD = TBD</strong></td>
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<td><strong>CON_CNTR_VOL = TBD</strong></td>
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<td><strong>CON_GENER_ID = id of data reviewer</strong></td>
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<td><strong>CON_GRP_ID = WRAP</strong></td>
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<td><strong>CON_SCAT_CD = TBD</strong></td>
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<td><strong>CON_SRCE_CHRG_CD = WRAP</strong></td>
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<td><strong>CON_SRCE_CMPNY_ID = TBD</strong></td>
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<td><strong>CON_SRCE_ORG = TBD</strong></td>
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<tr>
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<td><strong>CON_WASTE_STREAM = TBD</strong></td>
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<td><strong>CON_WSRD_NUM = TBD</strong></td>
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<td><strong>CON_WSRD_REV = TBD</strong></td>
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<th><strong>RADDetail</strong></th>
<th>RDET_ASSAY_DT from NDA data</th>
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<td>RDET_HANDLING = C</td>
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<td>RDET_NEUT_DOSE_RATE = user entry</td>
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<tr>
<td></td>
<td>RDET_ORGANIC_VOL_PCT = user entry</td>
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<tr>
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<td>RDET_ORGANIC_WGT = user entry</td>
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<tr>
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<td>RDET_RSWIMS_COUNT = 1</td>
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<td>RDET_SDAR_APPRV_NUM = TBD</td>
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<td>RDET_SHIELD = TBD</td>
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<td></td>
<td>RDET_SWIMS_CD = TBD</td>
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<td></td>
<td>RDET_THERMAL_POWER from NDA data</td>
</tr>
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<td></td>
<td>RDET_TOT_ALPHA_CI = calculated</td>
</tr>
<tr>
<td></td>
<td>RDET_TOT_BG_CI = calculated</td>
</tr>
<tr>
<td></td>
<td>RDET_TOT_DE_CI = calculated</td>
</tr>
<tr>
<td></td>
<td>RDET_TOT_PE_CI = calculated</td>
</tr>
<tr>
<td></td>
<td>RDET_TOT_PU_FGE = calculated</td>
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<td>RDET_WASTE_MAKEUP = TBD</td>
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<td></td>
<td>RDET_WRAP_CAT = TBD</td>
</tr>
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</table>

<table>
<thead>
<tr>
<th><strong>ISOQTY</strong></th>
<th>Data from NDA data review</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>CONREL</strong></td>
<td>CONR_FROM_PKG_ID = OTP-CRT-PI-002</td>
</tr>
<tr>
<td></td>
<td>CONR_TO_PKG_ID = OTP-COLD-MT-04</td>
</tr>
<tr>
<td></td>
<td>CONR_DT = system date/time</td>
</tr>
<tr>
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<td>CONR_REL_CD = W</td>
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</table>
**ATTACHMENT 6 - DATA TABLES**

<table>
<thead>
<tr>
<th>Table VII.9</th>
<th>Data after drum shipped</th>
</tr>
</thead>
</table>
| **WASTE**   | CON_LOCN_FACIL_ID = TRANSIT  
             | CON_PKG_STATUS = A  
             | CON_SHIP_DT = system date |
| **CONLOC**  | CONLOC_DT = system date  
             | CONLOC_LOCN_ID = IN_TRANSIT |
| **RADMAT**  | for RADMAT_ID = F  
             | RADMAT_ALARM = F  
             | RADMAT_RAD_TOT = 14 |
| (S)WASTE    | All data copied from DMS |
| (S)RADDETAIL| All data copied from DMS |
| (S)ISOQTY   | All data copied from DMS |
| (S)PHYSCOMP | All data copied from DMS |
| (S)HAZDETAIL| All data copied from DMS |
| (S)CHEMCOMP | All data copied from DMS |
| (S)SHIPMENT | All data copied from DMS |
| (S)SHIPITEM | All data copied from DMS |
| (S)SHIPHIST | All data copied from DMS |

**END**
### Table VIII - Data description for OTP-COLD-MT-05

<table>
<thead>
<tr>
<th>Description</th>
<th>Data Description</th>
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<tbody>
<tr>
<td><strong>OTP-COLD-MT-05 Empty 55 gal one trip drum headed for 55 gal staging conveyor 204</strong></td>
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<tr>
<td><strong>Initial SWITS Data (SCRIPT)</strong></td>
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</tr>
<tr>
<td>Table VIII.1</td>
<td>(S)WASTE</td>
</tr>
<tr>
<td></td>
<td>(S)CON_PKG_ID = OTP-COLD-MT-05</td>
</tr>
<tr>
<td></td>
<td>(S)CON_CNTYP_CD = DM</td>
</tr>
<tr>
<td></td>
<td>(S)CON_LOCN_FACIL_ID = 2401W</td>
</tr>
<tr>
<td></td>
<td>(S)CON_PKG_STATUS = I</td>
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<tr>
<td></td>
<td>(S)CON_SIZE_DESCR = 55 GALLON</td>
</tr>
<tr>
<td></td>
<td>(S)CON_TARE_WGT = 21</td>
</tr>
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<td><strong>Data after receipt</strong></td>
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</tr>
<tr>
<td>Table VIII.2</td>
<td>(S)WASTE</td>
</tr>
<tr>
<td></td>
<td>(S)CON_LOCN_FACIL_ID = 2336W</td>
</tr>
<tr>
<td></td>
<td>WASTE</td>
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<td></td>
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<tr>
<td></td>
<td>CON_CNTYP_CD = DM</td>
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<tr>
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<td>CON_LOCN_FACIL_ID = 2336W</td>
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<tr>
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<td>CON_PKG_STATUS = I</td>
</tr>
<tr>
<td></td>
<td>CON_SIZE_DESCR = 55 GALLON</td>
</tr>
<tr>
<td></td>
<td>CON_TARE_WGT = 21</td>
</tr>
<tr>
<td></td>
<td>WASTEXT</td>
</tr>
<tr>
<td></td>
<td>CONEXT_PKG_ID = OTP-COLD-MT-05</td>
</tr>
<tr>
<td></td>
<td>CONEXT_USE_CD = EC</td>
</tr>
<tr>
<td></td>
<td>CONEXT_WRAP_STAT_CD = W</td>
</tr>
<tr>
<td></td>
<td>CONEXT_ROUTE_CD = 4</td>
</tr>
<tr>
<td><strong>Data at conveyor 204</strong></td>
<td></td>
</tr>
<tr>
<td>Table VIII.3</td>
<td>CONLOC</td>
</tr>
<tr>
<td></td>
<td>CONLOC_PKG_ID = OTP-COLD-MT-05</td>
</tr>
<tr>
<td></td>
<td>CONLOC_DT = system date</td>
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<tr>
<td></td>
<td>CONLOC_LOCN_ID = STGCVR_55</td>
</tr>
<tr>
<td><strong>END</strong></td>
<td></td>
</tr>
</tbody>
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## Table IX - Data description for OTP-COLD-MT-06

<table>
<thead>
<tr>
<th>Initial SWITS Data (SCRIPT)</th>
<th>(S)WASTE</th>
<th>(S)CON_PKG_ID = OTP-COLD-MT-0106</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>(S)</td>
<td>CON_CNTYP_CD = DM</td>
</tr>
<tr>
<td></td>
<td>(S)</td>
<td>CON_LOCN_FACIL_ID = 2401W</td>
</tr>
<tr>
<td></td>
<td>(S)</td>
<td>CON_PKG_STATUS = I</td>
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<td>(S)</td>
<td>CON_SIZE_DESCR = 55 GALLON</td>
</tr>
<tr>
<td></td>
<td>(S)</td>
<td>CON_TARE_WGT = 21</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Data after receipt</th>
<th>(S)WASTE</th>
<th>(S)CON_LOCN_FACIL_ID = 2336W</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>WASTE</td>
<td>CON_PKG_ID = OTP-COLD-MT-06</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CON_CNTYP_CD = DM</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CON_LOCN_FACIL_ID = 2336W</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CON_PKG_STATUS = I</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CON_SIZE_DESCR = 55 GALLON</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CON_TARE_WGT = 21</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>WASTEXT</th>
<th>CONEXT_PKG_ID = OTP-COLD-MT-06</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>CONEXT_USE_CD = EC</td>
</tr>
<tr>
<td></td>
<td>CONEXT_WRAP_STAT_CD = W</td>
</tr>
<tr>
<td></td>
<td>CONEXT_ROUTE_CD = 4</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>CONLOC</th>
<th>CONLOC_PKG_ID = OTP-COLD-MT-06</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>CONLOC_DT = system date</td>
</tr>
<tr>
<td></td>
<td>CONLOC_LOCN_ID = RECDCK</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Data at conveyor 204</th>
<th>CONLOC</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>CONLOC_DT = system date</td>
</tr>
<tr>
<td></td>
<td>CONLOC_LOCN_ID = STGCVR_55</td>
</tr>
</tbody>
</table>

END
**Table X - Data description for OTP-COLD-MT-07**

| Initial SWITS Data (SCRIPT) | (S)WASTE | (S)CON_PKG_ID = OTP-COLD-MT-07  
(S)CON_CNTYP_CD = DM  
(S)CON_LOCN_FACIL_ID = 2401W  
(S)CON_PKG_STATUS = I  
(S)CON_SIZE_DESCR = 55 GALLON  
(S)CON_TARE_WGT = 21 |
|-----------------------------|----------|--------------------------------------------------|
| **Table X.1**              | **(S)WASTE** | **CON_PKG_ID = OTP-COLD-MT-07**  
**CON_CNTYP_CD = DM**  
**CON_LOCN_FACIL_ID = 2336W**  
**CON_PKG_STATUS = I**  
**CON_SIZE_DESCR = 55 GALLON**  
**CON_TARE_WGT = 21** |

| Data after receipt | (S)WASTE | (S)CON_PKG_ID = OTP-COLD-MT-07  
(S)CON_CNTYP_CD = DM  
(S)CON_LOCN_FACIL_ID = 2336W  
(S)CON_PKG_STATUS = I  
(S)CON_SIZE_DESCR = 55 GALLON  
(S)CON_TARE_WGT = 21 |
|-------------------|----------|--------------------------------------------------|
| **Table X.2**     | **WASTE** | **CON_PKG_ID = OTP-COLD-MT-07**  
**CON_CNTYP_CD = DM**  
**CON_LOCN_FACIL_ID = 2336W**  
**CON_PKG_STATUS = I**  
**CON_SIZE_DESCR = 55 GALLON**  
**CON_TARE_WGT = 21** |

| WASTEXT | CON_PKG_ID = OTP-COLD-MT-07  
CON_USE_CD = EC  
CON_WRAP_STAT_CD = W  
CON_ROUTE_CD = 4 |
|---------|--------------------------------------------------|

| CONLOC | CON_PKG_ID = OTP-COLD-MT-07  
CONLOC_DT = system date  
CONLOC_LOCN_ID = RECDCK |
|--------|--------------------------------------------------|

| Data at conveyor 204 | CONLOC | CON_PKG_ID = OTP-COLD-MT-07  
CONLOC_DT = system date  
CONLOC_LOCN_ID = STGCVR_55 |
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Table X.3</strong></td>
<td><strong>END</strong></td>
<td><strong>------------------------</strong></td>
</tr>
</tbody>
</table>

**FTP-COLD-MT-07 Empty 55 gal one trip drum headed for 55 gal staging conveyor 204**
**Table XI - Data description for OTP-COLD-MT-08**

<table>
<thead>
<tr>
<th>Initial SWITS Data (SCRIPT)</th>
<th>(S)WASTE</th>
<th>(S)CON_PKG_ID = OTP-COLD-MT-08</th>
<th>(S)CON_CNTYP_CD = DM</th>
<th>(S)CON_LOCN_FACIL_ID = 2401W</th>
<th>(S)CON_PKG_STATUS = 1</th>
<th>(S)CON_SIZE_DESCR = 55 GALLON</th>
<th>(S)CON_TARE_WGT = 21</th>
</tr>
</thead>
<tbody>
<tr>
<td>Table XI.1</td>
<td></td>
<td></td>
<td></td>
<td></td>
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<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Data after receipt</th>
<th>(S)WASTE</th>
<th>(S)CON_LOCN_FACIL_ID = 2336W</th>
</tr>
</thead>
<tbody>
<tr>
<td>Table XI.2</td>
<td></td>
<td>WASTE</td>
</tr>
<tr>
<td></td>
<td></td>
<td>WASTEXT</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CONLOC</td>
</tr>
<tr>
<td>Data at conveyor 204</td>
<td>CONLOC</td>
<td></td>
</tr>
<tr>
<td>Table XI.3</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

END
### Table XII - Data description for OTP-COLD-MT-09

| Initial SWITS Data (SCRIPT) | (S)WASTE | (S)CONF_PKG_ID = OTP-COLD-MT-09  
|                            |          | (S)CONF_CNTYYPE_CD = DM  
|                            |          | (S)CONF_LOCN_FACIL_ID = 2401W  
|                            |          | (S)CONF_PKG_STATUS = I  
|                            |          | (S)CONF_SIZE_DESCR = 55 GALLON  
|                            |          | (S)CONF_TARE_WGT = 21  
| Table XII.1                | WASTE    | CONF_PKG_ID = OTP-COLD-MT-09  
|                            |          | CONF_CNTYYPE_CD = DM  
|                            |          | CONF_LOCN_FACIL_ID = 2336W  
|                            |          | CONF_PKG_STATUS = I  
|                            |          | CONF_SIZE_DESCR = 55 GALLON  
|                            |          | CONF_TARE_WGT = 21  
| Data after receipt         | WASTEXT  | CONFEXT_PKG_ID = OTP-COLD-MT-09  
|                            |          | CONFEXT_USE_CD = EC (CR # 149)  
|                            |          | CONFEXT_WRAP_STAT_CD = W  
|                            |          | CONFEXT_ROUTE_CD = 4  
| Table XII.2                | CONLOC   | CONFLOC_PKG_ID = OTP-COLD-MT-09  
|                            |          | CONFLOC_DT = system date  
|                            |          | CONFLOC_LOCN_ID = RECDCK  
| Data at airlock going into | WASTEXT  | CONFEXT_RADMAT_ID = R  
| process area               |          | CONFEXT_USE_CD = PD  
| (Not used)                 |          | CONFEXT_WRAP_STAT_CD = I  
| Table XII.3                | RADDDETAIL | REDDET_PKG_ID = OTP-COLD-MT-09  
|                            |          | REDDET_SWYTP_GROUP = LLW  
| Data after scanning at 201E | CONLOC   | CONFLOC_DT = system date  
| lift table                 |          | CONFLOC_LOCN_ID = LLWRWCMLT  
| Table XII.4                | WASTE    | CONF_GENERIC_WASTE_DESCR = PRODUCT  
|                            |          | DRUM FROM 201E  
|                            |          | CONF_SPEC_TYP_CD = R  
|                            |          | CONF_SPEC_SMAT_CD = ANY  
| After glovebox processing  | WASTEXT  | CONFEXT_PROF_ID = NRLLW1  
| (SCRIPT)                   |          | CONFEXT_PROF_FLAG = Y  
| Table XII.5                |          |
## Attachment 6 - Data Tables

**OTP-COLD-MT-09 Empty 55 gal E/E drum headed for LLW RWM exit 201E**

| PHYSCOMP          | PHYS_PKG_ID = OTP-COLD-MT-09  
|                  | PHYS_COMP_DESCR = PLASTIC/POLYU/RATHANE  
|                  | PHYS_COMP_WGT = 4  
|                  | PHYS_COMP_VOL_PCT = 40  
|                  | PHYS_PKG_ID = OTP-COLD-MT-09  
|                  | PHYS_COMP_DESCR = METAL/IRON/GALVANIZED/SHEET  
|                  | PHYS_COMP_WGT = 1  
|                  | PHYS_COMP_VOL_PCT = 10  
|                  | PHYS_PKG_ID = OTP-COLD-MT-09  
|                  | PHYS_COMP_DESCR = CLOTH/RAGS/NYLON/TAPE/ROPE  
|                  | PHYS_COMP_WGT = 4  
|                  | PHYS_COMP_VOL_PCT = 50  

| CONREL           | CONR_FROM_PKG_ID = OTP-CRL-PK-001  
|                 | CONR_TO_PKG_ID = OTP-COLD-MT-09  
|                 | CONR_DT = sysdate  
|                 | CONR_REL_CD = C  
|                 | CONR_FROM_PKG_ID = OTP-CRL-PK-002  
|                 | CONR_TO_PKG_ID = OTP-COLD-MT-09  
|                 | CONR_DT = sysdate  
|                 | CONR_REL_CD = C  
|                 | CONR_FROM_PKG_ID = OTP-CRL-PK-003  
|                 | CONR_TO_PKG_ID = OTP-COLD-MT-09  
|                 | CONR_DT = sysdate  
|                 | CONR_REL_CD = C  
|                 | CONR_FROM_PKG_ID = OTP-CRL-PK-004  
|                 | CONR_TO_PKG_ID = OTP-COLD-MT-09  
|                 | CONR_DT = sysdate  
|                 | CONR_REL_CD = C  
|                 | CONR_FROM_PKG_ID = OTP-CRL-PK-005  
|                 | CONR_TO_PKG_ID = OTP-COLD-MT-09  
|                 | CONR_DT = sysdate  
|                 | CONR_REL_CD = C  
|                 | CONR_FROM_PKG_ID = OTP-CRL-PK-010  
|                 | CONR_TO_PKG_ID = OTP-COLD-MT-09  
|                 | CONR_DT = sysdate  
|                 | CONR_REL_CD = C  

---
ATTACHMENT 6 - DATA TABLES

| OTP-COLD-MT-09 Empty 55 gal E/E drum headed for LLW RWM exit 201E | CONR_FROM_PKG_ID = OTP-CRPL-PK-011  
CONR_TO_PKG_ID = OTP-COLD-MT-09  
CONR_DT = sysdate  
CONR_REL_CD = C  
CON_LOC_PKG_ID = OTP-COLD-MT-09  
CON_LOC_DT = sysdate  
CON_LOC_LOCN_ID = LLW_ENTRY |
|-----------------------------|--------------------------------------------------------------------------------------|
| Data after scanning at 202A | WASTE  
CON_PKG_STATUS = R  
CON_LOC = CONLOC  
CON_LOC_PKG_ID = OTP-COLD-MT-09  
CON_LOC_DT = sysdate  
CON_LOC_LOCN_ID = LLW_ENTRY |
| Table XII.6 | END |
## ATTACHMENT 6 - DATA TABLES

### Table XIII - Data description for OTP-COLD-MT-010

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<th>(S)CON_PKG_ID = OTP-COLD-MT-10</th>
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</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>(S)CON_CNTYP_CD = DM</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(S)CON_LOCN_FACIL_ID = 2401W</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(S)CON_PKG_STATUS = I</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(S)CON_SIZE_DESCR = 85 GALLON</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(S)CON_TARE_WGT = null</td>
</tr>
</tbody>
</table>

<table>
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<tr>
<th>Data after receipt</th>
<th>(S)WASTE</th>
<th>(S)CON_LOCN_FACIL_ID = 2336W</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>WASTE</td>
<td>CON_PKG_ID = OTP-COLD-MT-10</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CON_CNTYP_CD = DM</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CON_LOCN_FACIL_ID = 2336W</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CON_PKG_STATUS = I</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CON_SIZE_DESCR = 85 GALLON</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CON_TARE_WGT = 31 (TARE_WGT_85G from WRAPMISC)</td>
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</table>

<table>
<thead>
<tr>
<th></th>
<th>WASTEXT</th>
<th>CONEXT_PKG_ID = OTP-COLD-MT-10</th>
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</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>CONEXT_USE_CD = EC</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CONEXT_WRAP_STAT_CD = W</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CONEXT_ROUTE_CD = 4</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th>CONLOC</th>
<th>CONLOC_PKG_ID = OTP-COLD-MT-10</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>CONLOC_DT = system date</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CONLOC_LOCN_ID = RECDCK</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Data at airlock going into process area</th>
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</thead>
<tbody>
<tr>
<td>Table XIII.3 (Not used)</td>
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</table>

<table>
<thead>
<tr>
<th>Data after scanning at lift table</th>
<th>WASTEXT</th>
</tr>
</thead>
<tbody>
<tr>
<td>RADDetail</td>
<td>CONEXT_RADMAT_ID = T</td>
</tr>
<tr>
<td></td>
<td>CONEXT_USE_CD = PD</td>
</tr>
</tbody>
</table>

| RADDetail                              | CONEXT_PKG_ID = OTP-COLD-MT-10  |
|                                        | RDET_PKG_ID = OTP-COLD-MT-10   |
|                                        | RDET_SWTYP_GROUP = TRU       |

| CONLOC                                 | CONLOC_PKG_ID = OTP-COLD-MT-10 |
|                                        | CONLOC_DT = system date        |
|                                        | CONLOC_LOCN_ID = TRU_COMPCT    |

<table>
<thead>
<tr>
<th>After glovebox processing (SCRIPT)</th>
<th>WASTE</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>CON_GENER_WASTE_DESCR = PRODUCT</td>
</tr>
<tr>
<td></td>
<td>DRUM FROM 203C</td>
</tr>
<tr>
<td></td>
<td>CON_PWTTY_CD = R</td>
</tr>
<tr>
<td></td>
<td>CON_SCAT_CD = ANY</td>
</tr>
</tbody>
</table>

|                                        | WASTEXT                  |
|                                        | CONEXT_PROF_ID = TRU-10   |
|                                        | CONEXT_PROF_FLAG = Y      |
### ATTACHMENT 6 - DATA TABLES

**OTP-COLD-MT-10 Empty 85 gal D&S drum headed for TRU compact 203C**

| PHYSCOMP | PHYS_PKG_ID = OTP-COLD-MT-10
|          | PHYS_COMP_DESCR = METAL/IRON/GALVANIZED/SHEET
|          | PHYS_COMP_WGT = 108
|          | PHYS_COMP_VOL_PCT = 100

| CONREL   | CONR_FROM_PKG_ID = OTP-CRT-PI-001
|          | CONR_TO_PKG_ID = OTP-COLD-MT-10
|          | CONR_DT = sysdate
|          | CONR_REL_CD = C

|          | CONR_FROM_PKG_ID = OTP-CRT-PI-002
|          | CONR_TO_PKG_ID = OTP-COLD-MT-10
|          | CONR_DT = sysdate
|          | CONR_REL_CD = C

|          | CONR_FROM_PKG_ID = OTP-CRT-PI-003
|          | CONR_TO_PKG_ID = OTP-COLD-MT-10
|          | CONR_DT = sysdate
|          | CONR_REL_CD = C

|          | CONR_FROM_PKG_ID = OTP-CRT-PI-004
|          | CONR_TO_PKG_ID = OTP-COLD-MT-10
|          | CONR_DT = sysdate
|          | CONR_REL_CD = C

| CON-ACCUM-DT = system date/time
| CON_GROSS_WT = conveyor weight
| CON_LABPACK_FLAG = N
| CON_PHYS_STATE_CD = S
| CON_PKG_DT = system date/time
| CON_PKG_STATUS = G
| CON_WASTE_WGT = gross - tare - filler

**At airlock exiting process area**

**Table XIII.6**

| WASTE | CON_CTRN_STATUS = F
|       | RDET_BG_DOSE_RATE = user entry
|       | RDET_SEAL_NUM = user entry

| CONLOC | CONLOC_DT = system date
|       | CONLOC_LOCN_ID = AIRCVYR_B1

**Discharge conveyor weight scale**

**Table XIII.7**

| WASTEXT | CONEXT_CNTR_STATUS = F
|         | CONEXT_RADMAT_ID = F
|         | CONEXT_TOT_PU_FGE = as returned by SIE
|         | CONEXT_VER_GROSS_WGT = conveyor weight
|         | CONEXT_VER_GROSS_WGT_FLAG = Y
|         | CONEXT_WRAP_STAT_CD = C

| NDA | As returned by SIE

---

**HANFORD NUCLEAR FACILITY**

**WRAP I**

*Integrated Engineering Cold Run Test - Balance of Plant*

**ATTACHMENT 6 - DATA TABLES**

**OTP-COLD-MT-10 Empty 85 gal D&S drum headed for TRU compact 203C**

| PHYSCOMP | PHYS_PKG_ID = OTP-COLD-MT-10
|          | PHYS_COMP_DESCR = METAL/IRON/GALVANIZED/SHEET
|          | PHYS_COMP_WGT = 108
|          | PHYS_COMP_VOL_PCT = 100

| CONREL   | CONR_FROM_PKG_ID = OTP-CRT-PI-001
|          | CONR_TO_PKG_ID = OTP-COLD-MT-10
|          | CONR_DT = sysdate
|          | CONR_REL_CD = C

|          | CONR_FROM_PKG_ID = OTP-CRT-PI-002
|          | CONR_TO_PKG_ID = OTP-COLD-MT-10
|          | CONR_DT = sysdate
|          | CONR_REL_CD = C

|          | CONR_FROM_PKG_ID = OTP-CRT-PI-003
|          | CONR_TO_PKG_ID = OTP-COLD-MT-10
|          | CONR_DT = sysdate
|          | CONR_REL_CD = C

|          | CONR_FROM_PKG_ID = OTP-CRT-PI-004
|          | CONR_TO_PKG_ID = OTP-COLD-MT-10
|          | CONR_DT = sysdate
|          | CONR_REL_CD = C

| CON-ACCUM-DT = system date/time
| CON_GROSS_WT = conveyor weight
| CON_LABPACK_FLAG = N
| CON_PHYS_STATE_CD = S
| CON_PKG_DT = system date/time
| CON_PKG_STATUS = G
| CON_WASTE_WGT = gross - tare - filler

**At airlock exiting process area**

**Table XIII.6**

| WASTE | CON_CTRN_STATUS = F
|       | RDET_BG_DOSE_RATE = user entry
|       | RDET_SEAL_NUM = user entry

| CONLOC | CONLOC_DT = system date
|       | CONLOC_LOCN_ID = AIRCVYR_B1

**Discharge conveyor weight scale**

**Table XIII.7**

| WASTEXT | CONEXT_CNTR_STATUS = F
|         | CONEXT_RADMAT_ID = F
|         | CONEXT_TOT_PU_FGE = as returned by SIE
|         | CONEXT_VER_GROSS_WGT = conveyor weight
|         | CONEXT_VER_GROSS_WGT_FLAG = Y
|         | CONEXT_WRAP_STAT_CD = C

| NDA | As returned by SIE
### ATTACHMENT 6 - DATA TABLES

**OTP-COLD-MT-10 Empty 85 gal D&S drum headed for TRU compact 203C**

<table>
<thead>
<tr>
<th>NDAISO</th>
<th>As returned by SIE</th>
</tr>
</thead>
</table>
| CONLOC | CONLOC_DT = system date  
... DISCHCVRW |
| RADMAT | for RADMAT_ID = T  
... OTP-COLD-MT-10 |

**Data after data review**

| WASTE | CON_DEBRIS_FLAG = TBD  
... CON_WSRD_REV = TBD |

| CONLOC | CONLOC_LOCN_ID = DISCHCVRW |
| RADMAT | RADMAT_ALARM = F  
... RADMAT_GB_PK_ID = OTP-COLD-MT-10  
... RADMAT_RAD_TOT = TBD |

| CON-CNTR_VOL | TBD |
| CON_DOT_SPEC | TBD |
| CON_GENER_ID | id of data reviewer |
| CON_GGRP_ID | TBD |
| CON_ITEM_NUM | TBD |
| CON_MFST_NUM | TBD |
| CON_ROUTINE | TBD |
| CON_SCAT_CD | TBD |
| CON_SRCE_CHRG_CD | TBD |
| CON_SRCE_CMPNY_ID | TBD |
| CON_SRCE_CMPNY_TYPE | TBD |
| CON_SRCE_FACIL_ID | TBD |
| CON_SRCE_ORG | TBD |
| CON_WASTE_STREAM | TBD |
| CON_WSRD_NUM | TBD |

| RADDetail | RDET_ASSAY_DT from NDA data  
... RDET_WASTE_MAKEUP = TBD |
| RDET_CERT_DT | TBD |
| RDET_HANDLING | C |
| RDET_NEUT_DOSE_RATE | user entry |
| RDET_ORGANIC_VOL_PCT | user entry |
| RDET_ORGANIC_WGT | user entry |
| RDET_RSWIMS_COUNT | 1 |
| RDET_SDAR_APPRV_NUM | TBD |
| RDET_SHIELD | TBD |
| RDET_SWIMS_CD | TBD |
| RDET_THERMAL_POWER from NDA data  
... RDET_WRAP_CAT = TBD |
| RDET_TOT_ALPHA_CI | calculated |
| RDET_TOT_BG_CI | calculated |
| RDET_TOT_DE_CI | calculated |
| RDET_TOT_PE_CI | calculated |
| RDET_TOT_PU_FGE | calculated |

---

**Table XIII.8**
**Data after drum shipped**

<table>
<thead>
<tr>
<th>ISOQTY</th>
<th>Data from NDA data review</th>
</tr>
</thead>
</table>
| CONREL   | CONR_FROM_PKG_ID = OTP-CRT-PI-001  
|          | CONR_TO_PKG_ID = OTP-COLD-MT-10  
|          | CONR_DT = system date/time  
|          | CON_R_REL_CD = W  
|          | CONR_FROM_PKG_ID = OTP-CRT-PI-002  
|          | CONR_TO_PKG_ID = OTP-COLD-MT-10  
|          | CONR_DT = system date/time  
|          | CON_R_REL_CD = W  
|          | CONR_FROM_PKG_ID = OTP-CRT-PI-003  
|          | CONR_TO_PKG_ID = OTP-COLD-MT-10  
|          | CONR_DT = system date/time  
|          | CON_R_REL_CD = W  
|          | CONR_FROM_PKG_ID = OTP-CRT-PI-004  
|          | CONR_TO_PKG_ID = OTP-COLD-MT-03  
|          | CONR_DT = system date/time  
|          | CON_R_REL_CD = M  

**Table XIII.9**

- **WASTE**
  - CON.LOCN_FACIL_ID = TRANSIT
  - CON_PKG_STATUS = A
  - CON_SHIP_DT = system date

- **CONLOC**
  - CONLOC_DT = system date
  - CONLOC_LOCN_ID = IN_TRANSIT

- **RADMAT**
  - for RADMAT_ID = F
  - RADMAT_ALARM = F
  - RADMAT_RAD_TOT = 14

- **(S)WASTE**
  - All data copied from DMS

- **(S)RADDetail**
  - All data copied from DMS

- **(S)ISOQTY**
  - All data copied from DMS

- **(S)PHYSDetail**
  - All data copied from DMS

- **(S)HAZDetail**
  - All data copied from DMS

- **(S)CHEMDetail**
  - All data copied from DMS

- **(S)SHIPEMENT**
  - All data copied from DMS

- **(S)SHIPITEM**
  - All data copied from DMS

- **(S)SHIPHIST**
  - All data copied from DMS
## ATTACHMENT 6 - DATA TABLES

<table>
<thead>
<tr>
<th>OTP-COLD-MT-10 Empty 85 gal D&amp;S drum headed for TRU compact 203C</th>
</tr>
</thead>
<tbody>
<tr>
<td>(S)CONREL</td>
</tr>
<tr>
<td>(S)CONR_FROM_PKG_ID = OTP-CRT-PI-001</td>
</tr>
<tr>
<td>(S)CONR_TO_PKG_ID = OTP-COLD-MT-10</td>
</tr>
<tr>
<td>(S)CONR_DT = system date/time</td>
</tr>
<tr>
<td>(S)CONR_REL_CD = W</td>
</tr>
<tr>
<td>(S)CONR_FROM_PKG_ID = OTP-CRT-PI-002</td>
</tr>
<tr>
<td>(S)CONR_TO_PKG_ID = OTP-COLD-MT-010</td>
</tr>
<tr>
<td>(S)CONR_DT = system date/time</td>
</tr>
<tr>
<td>(S)CONR_REL_CD = W</td>
</tr>
<tr>
<td>(S)CONR_FROM_PKG_ID = OTP-CRT-PI-003</td>
</tr>
<tr>
<td>(S)CONR_TO_PKG_ID = OTP-COLD-MT-10</td>
</tr>
<tr>
<td>(S)CONR_DT = system date/time</td>
</tr>
<tr>
<td>(S)CONR_REL_CD = W</td>
</tr>
<tr>
<td>(S)CONR_FROM_PKG_ID = OTP-CRT-PI-004</td>
</tr>
<tr>
<td>(S)CONR_TO_PKG_ID = OTP-COLD-MT-10</td>
</tr>
<tr>
<td>(S)CONR_DT = system date/time</td>
</tr>
<tr>
<td>(S)CONR_REL_CD = W</td>
</tr>
</tbody>
</table>

END
Table XIV - Data description for OTP-COLD-MT-11

<table>
<thead>
<tr>
<th>OTP-COLD-MT-11 Empty 85 gal D&amp;S headed for 85 gal staging conveyor 203</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Initial SWITS Data (SCRIPT)</strong></td>
</tr>
<tr>
<td><strong>CON_CNTYP_CD = DM</strong></td>
</tr>
<tr>
<td><strong>CON_PKG_STATUS = L</strong></td>
</tr>
<tr>
<td><strong>CON_TARE_WGT = 31</strong></td>
</tr>
<tr>
<td><strong>Table XIV.1</strong></td>
</tr>
<tr>
<td><strong>WASTE</strong></td>
</tr>
<tr>
<td><strong>CON_CNTYP_CD = DM</strong></td>
</tr>
<tr>
<td><strong>CON_PKG_STATUS = L</strong></td>
</tr>
<tr>
<td><strong>CON_TARE_WGT = 31</strong></td>
</tr>
<tr>
<td><strong>WASTEXT</strong></td>
</tr>
<tr>
<td><strong>CONEXT_USE_CD = EC</strong></td>
</tr>
<tr>
<td><strong>CONEXT_ROUTE_CD = 4</strong></td>
</tr>
<tr>
<td><strong>CONLOC</strong></td>
</tr>
<tr>
<td><strong>CONLOC_DT = system date</strong></td>
</tr>
<tr>
<td><strong>CONLOC_LOCN_ID = RECDCK</strong></td>
</tr>
<tr>
<td><strong>Table XIV.2</strong></td>
</tr>
<tr>
<td><strong>CONLOC_CT = system date</strong></td>
</tr>
<tr>
<td><strong>Table XIV.3</strong></td>
</tr>
</tbody>
</table>
Table XV - Data description for OTP-COLD-WV-01

<table>
<thead>
<tr>
<th>Initial SWITS Data (SCRIPT)</th>
<th>(S)WASTE</th>
<th>(S)RADDETAIL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Table XV.1</td>
<td>(S)CON_PKG_ID = OTP-COLD-WV-01</td>
<td>(S)RDET_PKG_ID = OTP-COLD-WV-01</td>
</tr>
<tr>
<td></td>
<td>(S)CON_CNTYP_CD = DM</td>
<td>(S)RDET_ASSAY_DT = system date</td>
</tr>
<tr>
<td></td>
<td>(S)CON_LOCN_FACIL_ID = 2401W</td>
<td>(S)RDET_SW_TYP_GROUP = LLW</td>
</tr>
<tr>
<td></td>
<td>(S)CON_PKG_STATUS = A</td>
<td>(S)RDET_BG_DOSE_RATE = 10</td>
</tr>
<tr>
<td></td>
<td>(S)CON_PW_TYP_CD = R</td>
<td>(S)RDET_TOT_BG_CI = 10</td>
</tr>
<tr>
<td></td>
<td>(S)CON_SIZE_DESCR = 55 GALLON</td>
<td>(S)RDET_TOT_DE_CI = 10</td>
</tr>
<tr>
<td></td>
<td>(S)CON_GROSS_WGT = 100</td>
<td>(S)RDET_TOT_PU_FGE = 0</td>
</tr>
<tr>
<td></td>
<td>(S)CON_SRCE_FACIL_ID = 202A</td>
<td>(S)RDET_WASTE_MAKEUP = X</td>
</tr>
<tr>
<td></td>
<td>(S)CON_TARE_WGT = 21</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Data after receipt</th>
<th>(S)WASTE</th>
<th>(S)RADDETAIL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Table XV.2</td>
<td>(S)CON_LOCN_FACIL_ID = 2336W</td>
<td>(S)RDET_PKG_ID = OTP-COLD-WV-01</td>
</tr>
<tr>
<td>WASTE</td>
<td>CON_PKG_ID = OTP-COLD-WV-01</td>
<td>(S)RDET_ASSAY_DT = system date</td>
</tr>
<tr>
<td></td>
<td>CON_CNTYP_CD = DM</td>
<td>(S)RDET_SW_TYP_GROUP = LLW</td>
</tr>
<tr>
<td></td>
<td>CON_LOCN_FACIL_ID = 2336W</td>
<td>(S)RDET_BG_DOSE_RATE = 10</td>
</tr>
<tr>
<td></td>
<td>CON_PKG_STATUS = A</td>
<td>(S)RDET_TOT_BG_CI = 10</td>
</tr>
<tr>
<td></td>
<td>CON_PW_TYP_CD = R</td>
<td>(S)RDET_TOT_DE_CI = 10</td>
</tr>
<tr>
<td></td>
<td>CON_SIZE_DESCR = 55 GALLON</td>
<td>(S)RDET_TOT_PU_FGE = 0</td>
</tr>
<tr>
<td></td>
<td>CON_GROSS_WGT = 100</td>
<td>(S)RDET_WASTE_MAKEUP = X</td>
</tr>
<tr>
<td></td>
<td>CON_SRCE_FACIL_ID = 202A</td>
<td></td>
</tr>
<tr>
<td></td>
<td>CON_TARE_WGT = 21</td>
<td></td>
</tr>
<tr>
<td>WASTEXT</td>
<td>CONEXT_PKG_ID = OTP-COLD-WV-01</td>
<td></td>
</tr>
<tr>
<td></td>
<td>CONEXT_USE_CD = WV</td>
<td></td>
</tr>
<tr>
<td></td>
<td>CONEXT_WRAP_STAT_CD = W</td>
<td></td>
</tr>
<tr>
<td></td>
<td>CONEXT_ROUTE_CD = 9</td>
<td></td>
</tr>
<tr>
<td>RADDETAIL</td>
<td>RDET_PKG_ID = OTP-COLD-WV-01</td>
<td></td>
</tr>
<tr>
<td></td>
<td>RDET_ASSAY_DT = system date</td>
<td></td>
</tr>
<tr>
<td></td>
<td>RDET_SW_TYP_GROUP = LLW</td>
<td></td>
</tr>
<tr>
<td></td>
<td>RDET_BG_DOSE_RATE = 10</td>
<td></td>
</tr>
<tr>
<td></td>
<td>RDET_TOT_BG_CI = 10</td>
<td></td>
</tr>
<tr>
<td></td>
<td>RDET_TOT_DE_CI = 10</td>
<td></td>
</tr>
<tr>
<td></td>
<td>RDET_TOT_PU_FGE = 0</td>
<td></td>
</tr>
<tr>
<td></td>
<td>RDET_WASTE_MAKEUP = X</td>
<td></td>
</tr>
</tbody>
</table>
### ATTACHMENT 6 - DATA TABLES

#### OTP-COLD-WV-01 55 gal drum for verification via Route 9

| RADMAT       | for RADMAT_ID = F  
|             | RADMAT_ALARM = F  
|             | RADMAT_RAD_TOT = 50  
| CONLOC       | CONLOC_PKG_ID = OTP-COLD-WV-01  
|             | CONLOC_DT = system date  
|             | CONLOC_LOCN_ID = RECDCK  

**At discharge conveyor**

| WASTEXT      | CONEXT_NDE_VER_FLAG = Y  
|             | CONEXT_VER_GROSS_WGT = measured weight at infeed conveyor scale  
|             | CONEXT_VER_GROSS_WGT_FLAG = N  
|             | CONEXT_WRAP_STAT_CD = N  
| NDE          | As entered by radiographer  
| DISCHARGE    | Drum appended to end of sequence.  
| CONLOC       | CONLOC_DT = system date  
|             | CONLOC_LOCN_ID = DISCHCVR  

**At discharge weight scale**

| DISCHARGE    | OTP-COLD-WV-01 at beginning of sequence  
| CONLOC       | CONLOC_DT = system date  
|             | CONLOC_LOCN_ID = DISCHCVRW  

**After shipping**

| WASTE        | CONEXT_WRAP_STAT_CD = P  
| CONLOC       | CONLOC_DT = date shipped  
|             | CONLOC_LOCN_ID = IN_TRANSIT  

| VERIFICATION | VER_PKG_ID = OTP-COLD-WV-02  
|             | VER_METHOD = WRAP  
|             | VER_DT = date verified  
|             | VER_FAIL_REASON = user entry  
|             | VER_PASS = user entry  

| (S)VERIFICATION | (S)VER_PKG_ID = OTP-COLD-WV-02  
| (No other SWITS data changes) | (S)VER_METHOD = WRAP  
| (S)VER_DT = date verified  
| (S)VER_FAIL_REASON = user entry  
| (S)VER_PASS = user entry  

**END**
### Table XVI - Data description for OTP-COLD-WV-02

<table>
<thead>
<tr>
<th>Description</th>
<th>Data Points</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>OTP-COLD-WV-02 85 gal drum for verification via Route 9</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Initial SWITS Data (SCRIPT)</strong></td>
<td>(S)WASTE</td>
</tr>
<tr>
<td><strong>Table XVI.1</strong></td>
<td>(S)RADDetail</td>
</tr>
<tr>
<td><strong>Data after receipt</strong></td>
<td>(S)WASTE</td>
</tr>
<tr>
<td><strong>Table XVI.2</strong></td>
<td>WASTEXT</td>
</tr>
<tr>
<td><strong>RADDetail</strong></td>
<td>RDET_PKG_ID = OTP-COLD-WV-02, RDET_ASSAY_DT = system date, RDET_SWTYP_GROUP = LLW, RDET_BG_DOSE_RATE = 10, RDET_TOT_BG_CI = 10, RDET_TOT_DE_CI = 10, RDET_TOT_PU_FGE = 0, RDET_WASTE_MAKEUP = X</td>
</tr>
</tbody>
</table>
## ATTACHMENT 6 - DATA TABLES

### OTP-COLD-WV-02 85 gal drum for verification via Route 9

<table>
<thead>
<tr>
<th>Table</th>
<th>Description</th>
<th>Data Table</th>
</tr>
</thead>
<tbody>
<tr>
<td>XVI.3</td>
<td>At discharge conveyor</td>
<td>[CONLOC]&lt;br&gt;[CONLOC_DT = system date]&lt;br&gt;[CONLOC_LOCN_ID = RECDCK]&lt;br&gt;[WASTEXT]&lt;br&gt;[CONEXT_NDE_VER_FLAG = Y]&lt;br&gt;[CONEXT_VER_GROSS_WGT = measured weight at infeed conveyor scale]&lt;br&gt;[CONEXT_VER_GROSS_WGT_FLAG = N]&lt;br&gt;[CONEXT_WRAP_STAT_CD = N]&lt;br&gt;[NDE] As entered by radiographer&lt;br&gt;[DISCHARGE] Drum appended to end of sequence&lt;br&gt;[CONLOC]&lt;br&gt;[CONLOC_DT = system date]&lt;br&gt;[CONLOC_LOCN_ID = DISCHCVR]&lt;br&gt;[Table XVI.4] At discharge weight scale</td>
</tr>
</tbody>
</table>
### ATTACHMENT 6 - DATA TABLES

#### Table XVII - Data description for OTP-COLD-WV-03

<table>
<thead>
<tr>
<th>Initial SWITS Data (SCRIPT)</th>
<th>(S)WASTE</th>
<th>(S)RADDETAIL</th>
<th>(S)ISOQTY</th>
</tr>
</thead>
<tbody>
<tr>
<td>Table XVII.1</td>
<td>(S)WASTE</td>
<td>(S)RADDETAIL</td>
<td>(S)ISOQTY</td>
</tr>
<tr>
<td></td>
<td>(S)CON_PKG_ID = OTP-COLD-WV-03</td>
<td>(S)RDET_PKG_ID = OTP-COLD-WV-03</td>
<td>(S)RAD_PKG_ID = OTP-COLD-WV-03</td>
</tr>
<tr>
<td></td>
<td>(S)CON_CNTYP_CD = DM</td>
<td>(S)RDET_ASSAY_DT = system date</td>
<td>(S)RAD_ISO_NUM = 3</td>
</tr>
<tr>
<td></td>
<td>(S)CON_LOCN_FACIL_ID = 2401W</td>
<td>(S)RDET_BG_DOSE_RATE = 10</td>
<td>(S)RAD_ISO_NUM = 8</td>
</tr>
<tr>
<td></td>
<td>(S)CON_PKG_STATUS = T</td>
<td>(S)RDET_SWTPY_GRP = TRU</td>
<td>(S)RAD_QTY = 2.0 E-6</td>
</tr>
<tr>
<td></td>
<td>(S)CON_PWTYP_CD = R</td>
<td>(S)RDET_RELOC_DT = system date</td>
<td>(S)RAD_PKG_ID = OTP-COLD-WV-03</td>
</tr>
<tr>
<td></td>
<td>(S)CON_SIZE_DESCR = 55 GALLON</td>
<td>(S)RDET_TOT_BG_CI = 10</td>
<td>(S)RAD_ISO_NUM = 26</td>
</tr>
<tr>
<td></td>
<td>(S)CON_GROSS_WGT = 100</td>
<td>(S)RDET_TOT_DE_CI = 10</td>
<td>(S)RAD_QTY = 3.0 E-6</td>
</tr>
<tr>
<td></td>
<td>(S)CON_SRCE_FACIL_ID = 202A</td>
<td>(S)RDET_TOT_PU_FGE = 0</td>
<td>(S)RAD_PKG_ID = OTP-COLD-WV-03</td>
</tr>
<tr>
<td></td>
<td>(S)CON_TARE_WGT = 21</td>
<td>(S)RDET_WASTE_MAKEUP = X</td>
<td>(S)RAD_QTY = 4.0 E-6</td>
</tr>
</tbody>
</table>

#### Data after receipt

<table>
<thead>
<tr>
<th>Table XVII.2</th>
<th>(S)WASTE</th>
<th>(S)RADDETAIL</th>
</tr>
</thead>
<tbody>
<tr>
<td>(S)WASTE</td>
<td>(S)CON_LOCN_FACIL_ID = 2336W</td>
<td>(S)RDET_RELOC_DT = system date</td>
</tr>
<tr>
<td>(S)RADDETAIL</td>
<td>(S)RDET_RELOC_DT = system date</td>
<td></td>
</tr>
</tbody>
</table>
## ATTACHMENT 6 - DATA TABLES

| (S)RELOCIST | (S)RELOC_PKG_ID = OTP-COLD-WV-03  
(S)RELOC_DT = previous RDET_RELOC_DT 
(S)RELOC_LOCN_FACIL_ID = 2401W |
|-------------|----------------------------------|
| WASTE       | CON_PKG_ID = OTP-COLD-WV-03      
CON_CNTYP_CD = DM 
CON_LOCN_FACIL_ID = 2336W 
CON_PKG_STATUS = T 
CON_PWTYP_CD = R 
CON_SIZE_DESCR = 55 GALLON 
CON_GROSS_WGT = 100 
CON_SRCE_FACIL_ID = 202A 
CON_TARE_WGT = 21 |
| WASTEXT     | CONEXT_PKG_ID = OTP-COLD-WV-03    
CONEXT_USE_CD = WV 
CONEXT_WRAP_STAT_CD = W 
CONEXT_ROUTE_CD = 9 |
| RADDDETAIL  | RDET_PKG_ID = OTP-COLD-WV-03     
RDET_ASSAY_DT = system date 
RDET_BG_DOSE_RATE = 10 
RDET_RELOC_DT = system date 
RDET_SWTYP_GROUP = LLW 
RDET_TOT_BG_CI = 10 
RDET_TOT_DE_CI = 10 
RDET_TOT PU FGE = 0 
RDET_WASTE_MAKEUP = X |
| ISOQTY      | RAD_PKG_ID = OTP-COLD-WV-03      
RAD_ISO_NUM = 3 
RAD_QTY = 1.0 E-6 |
|             | RAD_PKG_ID = OTP-COLD-WV-03      
RAD_ISO_NUM = 8 
RAD_QTY = 2.0 E-6 |
|             | RAD_PKG_ID = OTP-COLD-WV-03      
RAD_ISO_NUM = 26 
RAD_QTY = 3.0 E-6 |
|             | RAD_PKG_ID = OTP-COLD-WV-03      
RAD_ISO_NUM = 13 
RAD_QTY = 4.0 E-6 |
|             | RAD_PKG_ID = OTP-COLD-WV-03      
RAD_ISO_NUM = 100 
RAD_QTY = 5.0 |
### ATTACHMENT 6 - DATA TABLES

#### OTP-COLD-WV-03 55 gal drum for verification via Route 1

<table>
<thead>
<tr>
<th>Section</th>
<th>Table Reference</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>RADMAT</td>
<td></td>
<td>(After receiving 4 verification drums) for RADMAT_ID = F, RADMAT_ALARM = F, RADMAT_RAD_TOT = 50</td>
</tr>
<tr>
<td>CONLOC</td>
<td></td>
<td>CONLOC_PKG_ID = OTP-COLD-WV-03, CONLOC_DT = system date, CONLOC_LOCN_ID = RECDCK</td>
</tr>
<tr>
<td>At discharge conveyor</td>
<td>XVII.3</td>
<td>WASTE CON_SAMPLE_FLAG = N, WASTEXT CONEXT_NDE_VER_FLAG = Y, CONEXT_COMPLIANT_FLAG = Y, CONEXT_PROF_ID = TEST, CONEXT_PROF_FLAG = Y, CONEXT_ROUTE_CD = 1, CONEXT_VER_GROSS_WGT = measured weight at infeed conveyor scale, CONEXT_VER_GROSS_WGT_FLAG = N, CONEXT_WRAP_STAT_CD = C</td>
</tr>
<tr>
<td>NDE</td>
<td></td>
<td>As entered by radiographer</td>
</tr>
<tr>
<td>NDA</td>
<td></td>
<td>As returned from SIE</td>
</tr>
<tr>
<td>NDAISO</td>
<td></td>
<td>As returned from SIE</td>
</tr>
<tr>
<td>CONLOC</td>
<td></td>
<td>CONLOC_DT = system date, CONLOC_LOCN_ID = DISCHCVR</td>
</tr>
<tr>
<td>At discharge conveyor weight scale</td>
<td></td>
<td>DISCHARGE OTP-COLD-WV-03 at beginning of sequence</td>
</tr>
<tr>
<td>Table XVII.4</td>
<td></td>
<td>CONLOC CONLOC_DT = system date, CONLOC_LOCN_ID = DISCHCVRW</td>
</tr>
<tr>
<td>After shipping</td>
<td></td>
<td>CONLOC CONLOC_DT = date shipped, CONLOC_LOCN_ID = IN_TRANSIT</td>
</tr>
<tr>
<td>Table XVII.5</td>
<td></td>
<td>SWITS CONLOC LOCN_ID = IN_TRANSIT</td>
</tr>
<tr>
<td>END</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

---

**HANFORD NUCLEAR FACILITY**

**WRAP I**

**HANFORD NUCLEAR FACILITY HNF-SD-W026-OTP-018**

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## Table XVIII - Data description for OTP-COLD-WV-04

### Initial SWITS Data (SCRIPT) - Table XVIII.1

<table>
<thead>
<tr>
<th>(S)WASTE</th>
<th>(S)CON_PKG_ID = OTP-COLD-WV-04</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>(S)CON_CNTYP_CD = DM</td>
</tr>
<tr>
<td></td>
<td>(S)CON_LOCN_FACIL_ID = 2401W</td>
</tr>
<tr>
<td></td>
<td>(S)CON_PKG_STATUS = T</td>
</tr>
<tr>
<td></td>
<td>(S)CON_PWTYP_CD = R</td>
</tr>
<tr>
<td></td>
<td>(S)CON_SIZE_DESCR = 85 GALLON</td>
</tr>
<tr>
<td></td>
<td>(S)CON_GROSS_WGT = 100</td>
</tr>
<tr>
<td></td>
<td>(S)CON_SRCE_FACIL_ID = 202A</td>
</tr>
<tr>
<td></td>
<td>(S)CON_TARE_WGT = 31</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>(S)RADDETAIL</th>
<th>(S)RDET_PKG_ID = OTP-COLD-WV-04</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>(S)RDET_ASSAY_DT = system date</td>
</tr>
<tr>
<td></td>
<td>(S)RDET_BG_DOSE_RATE = 10</td>
</tr>
<tr>
<td></td>
<td>(S)RDET_SWTPY_GROUP = LLW</td>
</tr>
<tr>
<td></td>
<td>(S)RDET_RELOC_DT = @R</td>
</tr>
<tr>
<td></td>
<td>(S)RDET_TOT_BG_CI = 10</td>
</tr>
<tr>
<td></td>
<td>(S)RDET_TOT_DE_CI = 1</td>
</tr>
<tr>
<td></td>
<td>(S)RDET_TOT_PU_FGE = 0</td>
</tr>
<tr>
<td></td>
<td>(S)RDET_WASTE_MAKEUP = X</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>(S)ISOQTY</th>
<th>(S)RAD_PKG_ID = OTP-COLD-WV-04</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>(S)RAD_ISO_NUM = 3</td>
</tr>
<tr>
<td></td>
<td>(S)RAD_QTY = 1.0 E-6</td>
</tr>
</tbody>
</table>

|           | (S)RAD_PKG_ID = OTP-COLD-WV-04 |
|           | (S)RAD_ISO_NUM = 8             |
|           | (S)RAD_QTY = 2.0 E-6           |

|           | (S)RAD_PKG_ID = OTP-COLD-WV-04 |
|           | (S)RAD_ISO_NUM = 26            |
|           | (S)RAD_QTY = 3.0 E-61          |

|           | (S)RAD_PKG_ID = OTP-COLD-WV-04 |
|           | (S)RAD_ISO_NUM = 13            |
|           | (S)RAD_QTY = 4.0 E-6           |

|           | (S)RAD_PKG_ID = OTP-COLD-WV-04 |
|           | (S)RAD_ISO_NUM = 100           |
|           | (S)RAD_QTY = 5.0               |

### Data after receipt - Table XVIII.2

<table>
<thead>
<tr>
<th>(S)WASTE</th>
<th>(S)CON_LOCN_FACIL_ID = 2336W</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>(S)RADDETAIL</th>
<th>(S)RDET_RELOC_DT = system date</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>(S)RDET_PKG_ID = OTP-COLD-WV-04</td>
</tr>
</tbody>
</table>

---

**THINK ALARA IN ALL WE DO**
### ATTACHMENT 6 - DATA TABLES

**OTP-COLD-WV-04** 85 gal drum for verification via Route 1

| (S)RELOCHIST |  (S)RELOC_PKG_ID = OTP-COLD-WV-04  
| (S)RELOC_DT = previous RDET_RELOC_DT  
| (S)RELOC_LOCN_FACIL_ID = 2401W |
|---|---|

**WASTE**  
**CON_PKG_ID** = OTP-COLD-WV-04  
**CON_CNTYP_CD** = DM  
**CON_LOCN_FACIL_ID** = 2336W  
**CON_PKG_STATUS** = T  
**CON_PWTYP_CD** = R  
**CON_SIZE_DESCR** = 85 GALLON  
**CON_GROSS WGT** = 100  
**CON_SRCE_FACIL_ID** = 202A  
**CON_TARE WGT** = 31

**WASTEXT**  
**CONEXT_PKG_ID** = OTP-COLD-WV-04  
**CONEXT_USE_CD** = WV  
**CONEXT_WRAP_STAT_CD** = W  
**CONEXT_ROUTE_CD** = 9

**RADDDETAIL**  
**RDET_PKG_ID** = OTP-COLD-WV-04  
**RDET_ASSAY_DT** = system date  
**RDET_BG_DOSE_RATE** = 10  
**RDET_RELOC_DT** = system date  
**RDET_SWTYP_GROUP** = LLW  
**RDET_TOT_BG_CI** = 10  
**RDET_TOT_DE_CI** = 1  
**RDET_TOT_PU_FGE** = 0  
**RDET_WASTE_MAKEUP** = X

**ISOQTY**  
**RAD_PKG_ID** = OTP-COLD-WV-04  
**RAD_ISO_NUM** = 3  
**RAD_QTY** = 1.0 E-6

**RAD_PKG_ID** = OTP-COLD-WV-04  
**RAD_ISO_NUM** = 8  
**RAD_QTY** = 2.0 E-6

**RAD_PKG_ID** = OTP-COLD-WV-04  
**RAD_ISO_NUM** = 26  
**RAD_QTY** = 3.0 E-6

**RAD_PKG_ID** = OTP-COLD-WV-04  
**RAD_ISO_NUM** = 13  
**RAD_QTY** = 4.0 E-6

**RAD_PKG_ID** = OTP-COLD-WV-04  
**RAD_ISO_NUM** = 100  
**RAD_QTY** = 5.0
## ATTACHMENT 6 - DATA TABLES

### OTP-COLD-WV-04 85 gal drum for verification via Route 1

<table>
<thead>
<tr>
<th>Component</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>RADMAT</td>
<td>For RADMAT_ID = F&lt;br&gt;RADMAT_ALARM = F&lt;br&gt;RADMAT_RAD_TOT = 50</td>
</tr>
<tr>
<td>CONLOC</td>
<td>CONLOC_PKG_ID = OTP-COLD-WV-04&lt;br&gt;CONLOC_DT = system date&lt;br&gt;CONLOC_LOCN_ID = RECDCK</td>
</tr>
<tr>
<td>WASTE</td>
<td>CON_SAMPLE_FLAG = N</td>
</tr>
<tr>
<td>WASTEXT</td>
<td>CONEXT_NDE_VER_FLAG = Y&lt;br&gt;CONEXT_COMPLIANT_FLAG = Y&lt;br&gt;CONEXT_PROF_ID = TEST&lt;br&gt;CONEXT_PROF_FLAG = Y&lt;br&gt;CONEXT_ROUTE_CD = 1&lt;br&gt;CONEXT_VER_GROSS_WGT = measured weight at infeed conveyor scale&lt;br&gt;CONEXT_VER_GROSS_WGT_FLAG = N&lt;br&gt;CONEXT_WRAP_STAT_CD = C</td>
</tr>
<tr>
<td>NDE</td>
<td>As entered by radiographer</td>
</tr>
<tr>
<td>NDA</td>
<td>As returned by SIE</td>
</tr>
<tr>
<td>NDAISO</td>
<td>As returned by SIE</td>
</tr>
<tr>
<td>CONLOC</td>
<td>CONLOC_DT = system date&lt;br&gt;CONLOC_LOCN_ID = DISCHCVR</td>
</tr>
<tr>
<td>DISCHARGE</td>
<td>OTP-COLD-WV-04 at beginning of sequence</td>
</tr>
<tr>
<td>CONLOC</td>
<td>CONLOC_DT = system date&lt;br&gt;CONLOC_LOCN_ID = DISCHCVRW</td>
</tr>
<tr>
<td>CONLOC</td>
<td>CONLOC_PKG_ID = OTP-COLD-WV-04&lt;br&gt;CONLOC_DT = date shipped&lt;br&gt;CONLOC_LOCN_ID = IN_TRANSIT</td>
</tr>
<tr>
<td>SWITS</td>
<td>No change.</td>
</tr>
</tbody>
</table>
## Table XIX - Data description for OTP-CRL-PI-001

<table>
<thead>
<tr>
<th>Initial SWITS Data (SCRIPT)</th>
<th>(S)WASTE</th>
<th>(S)ISOQTY</th>
</tr>
</thead>
<tbody>
<tr>
<td>Table XIX.1</td>
<td>(S)CON_PKG_ID = OTP-CRL-PI-001</td>
<td>(S)RAD_PKG_ID = OTP-CRL-PI-001</td>
</tr>
<tr>
<td></td>
<td>(S)CON_CNTYP_CD = DM</td>
<td>(S)RAD_ISO_NUM = 3</td>
</tr>
<tr>
<td></td>
<td>(S)CON_LOCN_FACIL_ID = 2401W</td>
<td>(S)RAD_QTY = 1.0E-6</td>
</tr>
<tr>
<td></td>
<td>(S)CON_PKG_STATUS = A</td>
<td>(S)RAD_PKG_ID = OTP-CRL-PI-001</td>
</tr>
<tr>
<td></td>
<td>(S)CON_PW_TYP_CD = R</td>
<td>(S)RAD_ISO_NUM = 8</td>
</tr>
<tr>
<td></td>
<td>(S)CON_SIZE_DESCR = 55 GALLON</td>
<td>(S)RAD_QTY = 2.0E-6</td>
</tr>
<tr>
<td></td>
<td>(S)CON_GROSS_WGT = 100</td>
<td>(S)RAD_PKG_ID = OTP-CRL-PI-001</td>
</tr>
<tr>
<td></td>
<td>(S)CON_SRCE_FACIL_ID = 202A</td>
<td>(S)RAD_ISO_NUM = 26</td>
</tr>
<tr>
<td></td>
<td>(S)CON_TARE_WGT = null</td>
<td>(S)RAD_QTY = 3.0E-6</td>
</tr>
</tbody>
</table>

| (S)RADDDETAIL               | (S)RDET_PKG_ID = OTP-CRL-PI-001 | (S)RAD_PKG_ID = OTP-CRL-PI-001 |
|                             | (S)RDET_ASSAY_DT = system date  | (S)RAD_ISO_NUM = 26 |
|                             | (S)RDET_SW_TYP_GROUPS = LLW     | (S)RAD_QTY = 3.0E-6 |
|                             | (S)RDET_BG_DOSE_RATE = 10      | (S)RAD_PKG_ID = OTP-CRL-PI-001 |
|                             | (S)RDET_TOT_BG_CI = 10         | (S)RAD_ISO_NUM = 13 |
|                             | (S)RDET_TOT_DE_CI = 1          | (S)RAD_QTY = 4.0E-6 |
|                             | (S)RDET_TOT_PU_FGE = 0         | (S)RAD_PKG_ID = OTP-CRL-PI-001 |
|                             | (S)RDET_WASTE_MAKEUP = X       | (S)RAD_ISO_NUM = 100 |

<table>
<thead>
<tr>
<th>Data after receipt</th>
<th>(S)WASTE</th>
<th>(S)ISOQTY</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>(S)CON_PKG_ID = OTP-CRL-PI-001</td>
<td>(S)RAD_PKG_ID = OTP-CRL-PI-001</td>
</tr>
<tr>
<td></td>
<td>(S)CON_LOCN_FACIL_ID = 2336W</td>
<td>(S)RAD_ISO_NUM = 100</td>
</tr>
<tr>
<td></td>
<td>(S)CON_PW_TYP_CD = R</td>
<td>(S)RAD_QTY = 5.0</td>
</tr>
<tr>
<td></td>
<td>(S)CON_SIZE_DESCR = 55 GALLON</td>
<td></td>
</tr>
<tr>
<td>ATTACHMENT 6 - DATA TABLES</td>
<td></td>
<td></td>
</tr>
<tr>
<td>---------------------------</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### OTP-CRL-PI-001 55 gal drum for processing

#### WASTE
- `CON_PKG_ID = OTP-CRL-PI-001`
- `CON_CNTYP_CD = DM`
- `CON_LOCN_FACIL_ID = 2336W`
- `CON_PKG_STATUS = A`
- `CON_PWTYP_CD = R`
- `CON_SIZE_DESCR = 55 GALLON`
- `CON_GROSS_WGT = 100`
- `CON_SRCE_FACIL_ID = 202A`
- `CON_TARE_WGT = 27 (TARE_WGT_55G from WRAPMISC)`

#### WASTEXT
- `CONEXT_PKG_ID = OTP-CRL-PI-001`
- `CONEXT_USE_CD = WV`
- `CONEXT_WRAP_STAT_CD = W`
- `CONEXT_ROUTE_CD = 9`

#### RADDetail
- `RDET_PKG_ID = OTP-CRL-PI-001`
- `RDET_ASSAY_DT = system date`
- `RDET_SWTYP_GROUP = LLW`
- `RDET_BG_DOSE_RATE = 10`
- `RDET_TOT_BG_CI = 10`
- `RDET_TOT_DE_CI = 1`
- `RDET_TOT_PU_FGE = 0`
- `RDET_WASTE_MAKEUP = X`

#### ISOQTY
- `RAD_PKG_ID = OTP-CRL-PI-001`
- `RAD_ISO_NUM = 3`
- `RAD_QTY = 1.0 E-6`
- `RAD_PKG_ID = OTP-CRL-PI-001`
- `RAD_ISO_NUM = 8`
- `RAD_QTY = 2.0 E-6`
- `RAD_PKG_ID = OTP-CRL-PI-001`
- `RAD_ISO_NUM = 26`
- `RAD_QTY = 3.0 E-6`
- `RAD_PKG_ID = OTP-CRL-PI-001`
- `RAD_ISO_NUM = 13`
- `RAD_QTY = 4.0 E-6`
- `RAD_PKG_ID = OTP-CRL-PI-001`
- `RAD_ISO_NUM = 100`
- `RAD_QTY = 5.0`

#### WASTE
- `CON_SAMPLE_FLAG = TBD`

At Infeed Conveyor Scale

Table XIX.3
<table>
<thead>
<tr>
<th>At LLW Entry Glovebox</th>
<th>Table XIX.4</th>
<th>END</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>WASTEXT</strong></td>
<td><strong>CONEXT_COMPLIANT_FLAG = TBD</strong>&lt;br&gt;<strong>CONEXT_PROF_ID = TBD</strong>&lt;br&gt;<strong>CONEXT_PROF_FLAG = TBD</strong>&lt;br&gt;<strong>CONEXT_USE_CD = WP</strong>&lt;br&gt;<strong>CONEXT_VER_GROSS_WGT = measured value - 31 (OTP-CRL-PO-001 tare)</strong>&lt;br&gt;<strong>CONEXT_VER_GROSS_WGT_FLAG = N</strong>&lt;br&gt;<strong>CONEXT_WRAP_STAT_CD = I</strong></td>
<td></td>
</tr>
<tr>
<td><strong>WASTE</strong></td>
<td><strong>CON_PKG_STATUS = R</strong></td>
<td></td>
</tr>
<tr>
<td><strong>WASTEXT</strong></td>
<td><strong>CONEXT_RADMAT_ID = R</strong>&lt;br&gt;<strong>CONEXT_TOT_PU_FGE = value entered on 202 screen</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>NDE</strong></td>
<td>As entered by radiographer</td>
</tr>
<tr>
<td></td>
<td><strong>NDA</strong></td>
<td>As returned from SIE</td>
</tr>
<tr>
<td></td>
<td><strong>NDAISO</strong></td>
<td>As returned from SIE</td>
</tr>
<tr>
<td><strong>CONLOC</strong></td>
<td><strong>CONLOC_PKG_ID = OTP-CRL-PI-001</strong>&lt;br&gt;<strong>CONLOC_DT = system date</strong>&lt;br&gt;<strong>CONLOC_LOCN_ID = LLW_ENTRY</strong></td>
<td></td>
</tr>
<tr>
<td><strong>(S)WASTE</strong></td>
<td><strong>(S)CON_LOCN_FACIL_ID = null</strong>&lt;br&gt;<strong>(S)CON_PKG_STATUS = R</strong></td>
<td></td>
</tr>
</tbody>
</table>

**OTP-CRL-PI-001** 55 gal drum for processing
### Table XX - Data description for OTP-CRL-PO-001

<table>
<thead>
<tr>
<th>Description</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>OTP-CRL-PO-001</strong> 85 gal overpack drum for LLW processing (202A) and LLW loadout (202C)</td>
<td></td>
</tr>
<tr>
<td><strong>Initial SWITS Data (SCRIPT)</strong></td>
<td></td>
</tr>
<tr>
<td>Table XX.1</td>
<td></td>
</tr>
<tr>
<td><strong>(S)WASTE</strong></td>
<td></td>
</tr>
<tr>
<td>(S)CON_PCK_ID = OTP-CRL-PO-001</td>
<td></td>
</tr>
<tr>
<td>(S)CON_CNTYP_CD = DM</td>
<td></td>
</tr>
<tr>
<td>(S)CON_LOCN_FACIL_ID = 2401W</td>
<td></td>
</tr>
<tr>
<td>(S)CON_PKG_STATUS = M</td>
<td></td>
</tr>
<tr>
<td>(S)CON_SIZE_DESCR = 85 GALLON</td>
<td></td>
</tr>
<tr>
<td>(S)CON_TARE_WGT = null</td>
<td></td>
</tr>
<tr>
<td><strong>(S)CONREL</strong></td>
<td></td>
</tr>
<tr>
<td>(S)CONR_FROM_PKG_ID = OTP-CRL-PI-001</td>
<td></td>
</tr>
<tr>
<td>(S)CONR_TO_PKG_ID = OTP-CRL-PO-001</td>
<td></td>
</tr>
<tr>
<td>(S)CONR_DT = system date</td>
<td></td>
</tr>
<tr>
<td>(S)CONR_REL_CD = M</td>
<td></td>
</tr>
<tr>
<td><strong>Data after receipt</strong></td>
<td></td>
</tr>
<tr>
<td>Table XX.2</td>
<td></td>
</tr>
<tr>
<td><strong>(S)WASTE</strong></td>
<td></td>
</tr>
<tr>
<td>(S)CON_LOCN_FACIL_ID = 2336W</td>
<td></td>
</tr>
<tr>
<td><strong>WASTE</strong></td>
<td></td>
</tr>
<tr>
<td>CON_PKG_ID = OTP-CRL-PO-001</td>
<td></td>
</tr>
<tr>
<td>CON_CNTYP_CD = DM</td>
<td></td>
</tr>
<tr>
<td>CON_LOCN_FACIL_ID = 2336W</td>
<td></td>
</tr>
<tr>
<td>CON_PKG_STATUS = M</td>
<td></td>
</tr>
<tr>
<td>CON_SIZE_DESCR = 85 GALLON</td>
<td></td>
</tr>
<tr>
<td>CON_TARE_WGT = 31 (TARE_WGT_85G from WRAPMISC)</td>
<td></td>
</tr>
<tr>
<td><strong>WASTEXT</strong></td>
<td></td>
</tr>
<tr>
<td>CONEXT_PKG_ID = OTP-CRL-PO-001</td>
<td></td>
</tr>
<tr>
<td>CONEXT_USE_CD = WW &amp; DD</td>
<td></td>
</tr>
<tr>
<td>CONEXT.WRAP_STAT_CD = W</td>
<td></td>
</tr>
<tr>
<td>CONEXT_ROUTE_CD = 9</td>
<td></td>
</tr>
<tr>
<td><strong>CONREL</strong></td>
<td></td>
</tr>
<tr>
<td>CONR_FROM_PKG_ID = OTP-CRL-PI-001</td>
<td></td>
</tr>
<tr>
<td>CONR_TO_PKG_ID = OTP-CRL-PO-001</td>
<td></td>
</tr>
<tr>
<td>CONR_DT = system date</td>
<td></td>
</tr>
<tr>
<td>CONR_REL_CD = M</td>
<td></td>
</tr>
<tr>
<td><strong>CONLOC</strong></td>
<td></td>
</tr>
<tr>
<td>CONLOC_PKG_ID = OTP-CRL-PO-001</td>
<td></td>
</tr>
<tr>
<td>CONLOC_DT = system date</td>
<td></td>
</tr>
<tr>
<td>CONLOC_LOCN_ID = RECDCK</td>
<td></td>
</tr>
<tr>
<td><strong>RADMAT</strong></td>
<td></td>
</tr>
<tr>
<td>(After receiving 4 LLW drums with total DE Ci of 4)</td>
<td></td>
</tr>
<tr>
<td>for RADMAT_ID = F</td>
<td></td>
</tr>
<tr>
<td>RADMAT_ALARM = F</td>
<td></td>
</tr>
<tr>
<td>RADMAT_RAD_TOT = 14</td>
<td></td>
</tr>
</tbody>
</table>
## ATTACHMENT 6 - DATA TABLES

### OTP-CRL-PO-001 85 gal overpack drum for LLW processing (202A) and LLW loadout (202C)

<table>
<thead>
<tr>
<th>At Infeed Conveyor weight scale</th>
<th>WASTEXT</th>
<th>CONEXT_ROUTE_CD = 3</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>CONLOC</td>
<td>CONEXT_USE_CD = WP</td>
</tr>
<tr>
<td></td>
<td>CONLOC_WRAP_ID = 1</td>
<td></td>
</tr>
<tr>
<td></td>
<td>CONLOC_LOCN_ID = IFDCVYRW</td>
<td></td>
</tr>
</tbody>
</table>

Table XX.3
### ATTACHMENT 6 - DATA TABLES

**OTP-CRL-PO-001 85 gal overpack drum for LLW processing (202A) and LLW loadout (202C)**

<table>
<thead>
<tr>
<th>Table XX.4 At LLW Entry Glovebox</th>
<th>(S)WASTE</th>
<th>(S)CON_PKG_STATUS = 'U'</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>(S)CONREL deleted ('M' code)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>WASTE</td>
<td>CON_PKG_STATUS = U</td>
</tr>
<tr>
<td></td>
<td>CONREL</td>
<td>deleted ('M' code)</td>
</tr>
<tr>
<td></td>
<td>CONLOC</td>
<td>CONLOC_DT = system date</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CONLOC_LOCN_ID = LLW_ENTRY</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Table XX.5 After glovebox processing (SCRIPT)</th>
<th>WASTE</th>
<th>CON_GENER_WASTE_DESCR = PRODUCT DRUM FROM 202C</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>CON_PWRTYP_CD = R</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CON_SCAT_CD = ANY</td>
</tr>
<tr>
<td></td>
<td>WASTEXT</td>
<td>CONEXT_CONTAM_FLAG = Y</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CONEXT_PROF_FLAG = Y</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CONEXT_PROF_ID = NRLLW1</td>
</tr>
<tr>
<td></td>
<td>RADDDETAIL</td>
<td>RDET_SRVR_APPRV_NUM = 60-1R-3YM-0401</td>
</tr>
<tr>
<td></td>
<td></td>
<td>RDET_SRVMS_CD = DD</td>
</tr>
<tr>
<td></td>
<td></td>
<td>RDET_SRVTP_CD = 2A</td>
</tr>
<tr>
<td></td>
<td></td>
<td>RDET_SRVTP_GROUP = LLW</td>
</tr>
<tr>
<td></td>
<td></td>
<td>RDET_WASTE_MAKEUP = F</td>
</tr>
<tr>
<td></td>
<td></td>
<td>RDET_WRAP_CAT = SO</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>PHYSCOMP</th>
<th>PHYS_PKG_ID = OTP-CRL-PO-001</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>PHYS_COMP_DESCR = METAL/IRON/GALVANIZED SHEET</td>
</tr>
<tr>
<td></td>
<td>PHYS_COMP_VOL_PCT = 5.71</td>
</tr>
<tr>
<td></td>
<td>PHYS_COMP_WGT = 108</td>
</tr>
<tr>
<td></td>
<td>PHYS_PKG_ID = OTP-CRL-PO-001</td>
</tr>
<tr>
<td></td>
<td>PHYS_COMP_DESCR = DIRT/SOIL/DIATOMACEOUS EARTH</td>
</tr>
<tr>
<td></td>
<td>PHYS_COMP_VOL_PCT = 20.27</td>
</tr>
<tr>
<td></td>
<td>PHYS_COMP_WGT = 115</td>
</tr>
<tr>
<td></td>
<td>PHYS_PKG_ID = OTP-CRL-PO-001</td>
</tr>
<tr>
<td></td>
<td>PHYS_COMP_DESCR = CLOTH/RAGS/NYLON</td>
</tr>
<tr>
<td></td>
<td>PHYS_COMP_VOL_PCT = 18.86</td>
</tr>
<tr>
<td></td>
<td>PHYS_COMP_WGT = 27.6</td>
</tr>
</tbody>
</table>
### ATTACHMENT 6 - DATA TABLES

<table>
<thead>
<tr>
<th>OTP-CRL-PO-001</th>
<th>85 gal overpack drum for LLW processing (202A) and LLW loadout (202C)</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHYS_PKG_ID</td>
<td>OTP-CRL-PO-001</td>
</tr>
<tr>
<td>PHYS_COMPS</td>
<td>DESCRIPTIONS</td>
</tr>
<tr>
<td>PHYS_COMP_VOL_PCT</td>
<td>9.43</td>
</tr>
<tr>
<td>PHYS_COMP_WGT</td>
<td>46</td>
</tr>
<tr>
<td>PHYS_PKG_ID</td>
<td>OTP-CRL-PO-001</td>
</tr>
<tr>
<td>PHYS_COMPS</td>
<td>DESCRIPTIONS</td>
</tr>
<tr>
<td>PHYS_COMP_VOL_PCT</td>
<td>22.16</td>
</tr>
<tr>
<td>PHYS_COMP_WGT</td>
<td>90.1</td>
</tr>
<tr>
<td>PHYS_PKG_ID</td>
<td>OTP-CRL-PO-001</td>
</tr>
<tr>
<td>PHYS_COMPS</td>
<td>DESCRIPTIONS</td>
</tr>
<tr>
<td>PHYS_COMP_VOL_PCT</td>
<td>23.1</td>
</tr>
<tr>
<td>PHYS_COMP_WGT</td>
<td>127.5</td>
</tr>
<tr>
<td>PHYS_PKG_ID</td>
<td>OTP-CRL-PO-001</td>
</tr>
<tr>
<td>PHYS_COMPS</td>
<td>DESCRIPTIONS</td>
</tr>
<tr>
<td>PHYS_COMP_VOL_PCT</td>
<td>.47</td>
</tr>
<tr>
<td>PHYS_COMP_WGT</td>
<td>3.9</td>
</tr>
</tbody>
</table>

| NDA_PKG_ID      | OTP-CRL-PO-001                                                      |
| NDA_DT          | system date/time                                                   |
| NDA_ASSAY_NUM   | CALC2                                                               |
| NDA_THERMAL_POWER | 9.336                                                              |
| NDA_TMU_ALPHA_CI | 0                                                                   |
| NDA_TMU_THERMAL_POWER | .05485                                                            |
| NDA_PKG_ID      | OTP-CRL-PO-001                                                      |
| NDAISO_PKG_ID   | OTP-CRL-PO-001                                                      |
| NDAISO_ASSAY_NUM | CALC0001                                                           |
| NDAISO_NAME     | CS-137                                                              |
| NDAISO_QTY      | 0.006013                                                            |
| NDAISO_QTY_TMU  | 0.0000600                                                          |
| NDAISO_PKG_ID   | OTP-CRL-PO-001                                                      |
| NDAISO_ASSAY_NUM | CALC0001                                                           |
| NDAISO_NAME     | SR-90                                                              |
| NDAISO_QTY      | 0.000006                                                           |
| NDAISO_QTY_TMU  | 0.0000006                                                         |
| NDAISO_PKG_ID   | OTP-CRL-PO-001                                                      |
| NDAISO_ASSAY_NUM | CALC0001                                                           |
| NDAISO_NAME     | CO-60                                                               |
| NDAISO_QTY      | 0.000004                                                           |
| NDAISO_QTY_TMU  | 0.0000004                                                         |
### Table XX.6

<table>
<thead>
<tr>
<th>Package</th>
<th>Description</th>
<th>Quantity</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>OTP-CRL-PO-001</td>
<td>85 gal overpack drum for LLW processing (202A) and LLW loadout (202C)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>NDAISO_PKG_ID</td>
<td>OTP-CRL-PO-001</td>
<td>NDAISO_ASSAY_NUM</td>
<td>CALC0001</td>
</tr>
<tr>
<td>NDAISO_PKG_ID</td>
<td>OTP-CRL-PO-001</td>
<td>NDAISO_ASSAY_NUM</td>
<td>CALC0001</td>
</tr>
<tr>
<td>NDAISO_PKG_ID</td>
<td>OTP-CRL-PO-001</td>
<td>NDAISO_ASSAY_NUM</td>
<td>CALC0001</td>
</tr>
</tbody>
</table>

**CONREL**

- CONR_FROM_PKG_ID = OTP-CRL-PI-001
- CONR_TO_PKG_ID = OTP-CRL-PO-001
- CONR_DT = system date
- CONR_REL_CD = C

- CONR_FROM_PKG_ID = OTP-CRL-PI-002
- CONR_TO_PKG_ID = OTP-CRL-PO-001
- CONR_DT = system date
- CONR_REL_CD = C

- CONR_FROM_PKG_ID = OTP-CRL-PI-003
- CONR_TO_PKG_ID = OTP-CRL-PO-001
- CONR_DT = system date
- CONR_REL_CD = C

- CONR_FROM_PKG_ID = OTP-CRL-PI-004
- CONR_TO_PKG_ID = OTP-CRL-PO-001
- CONR_DT = system date
- CONR_REL_CD = C

**CONLOC**

- CONLOC_DT = system date
- CONLOC_LOCN_ID = LLW.EXIT

**At airlock exiting process area**

**WASTE**

- CON_ACCUM_DT = system date/time
- CON_GROSS_WT = conveyor weight
- CON_LABPACK_FLAG = N
- CON_PKG_DT = system date/time
- CON_PKG_STATUS = G
- CON_PHYS_STATE_CD = S
- CON_WASTE_WGT = gross - tare - filler
**ATTACHMENT 6 - DATA TABLES**

**OTP-CRL-PO-001** 85 gal overpack drum for LLW processing (202A) and LLW loadout (202C)

<table>
<thead>
<tr>
<th>Column 1</th>
<th>Column 2</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>WASTEXT</strong></td>
<td>CONEXT_CNTR_STATUS = F</td>
</tr>
</tbody>
</table>
| **RADDETAIL** | RDET_BG_DOSE_RATE = user entry  
RDET_SEAL_NUM = user entry |
| **CONLOC** | CONLOC_DT = system date  
CONLOC_LOCN_ID = AIRCVYR_B1 |
| At discharge conveyor weight scale |  |
| **Table XX.7** |  |
| **WASTEXT** | CONEXT_NDE_VER_FLAG = Y  
CONEXT_RADMAT_ID = F  
CONEXT_TOT_PU_FGE = user entry from 202 screen  
CONEXT_VER_GROSS_WGT = conveyor scale weight  
CONEXT_VER_GROSS_WGT_FLAG = N  
CONEXT_WRAP_STAT_CD = C  |
| **NDE** | As entered by radiographer |
| **NDA** | As returned by SIE |
| **NDAISO** | As returned by SIE |
| **CONLOC** | CONLOC_DT = system date  
CONLOC_LOCN_ID = DISCHCVRW |
| **RADMAT** | for RADMAT_ID = R  
RADMAT_ALARM = F  
RADMAT_GB_PK_ID = OTP-CRL-PO-001  
RADMAT_RAD_TOT = TBD |
| Data after data review |  |
| **Table XX.8** |  |
| **WASTE** | CON_DEBRIS_FLAG = TBD  
CON_CHEM_NATURE_CD = TBD  
CON_CNTR_VOL = TBD  
CON_DOT_SPEC = TBD  
CON_GENER_ID = id of data reviewer  
CON_GRP_ID = WRAP  
CON_ITEM_NUM = TBD  
CON_MFST_NUM = TBD  
CON_ROUTINE = TBD  
CON_SCAT_CD = TBD  
CON_SRCE_CERT_CD = WRAP  
CON_SRCE_CMPTY_ID = TBD  
CON_SRCE_CMPNY_TYPE = TBD  
CON_SRCE_FACIL_ID = TBD  
CON_SRCE_ORG = TBD  
CON_WASTE_STREAM = TBD  
CON_WSRD_NUM = TBD  
CON_WSRD_REV = TBD |

---

**THINK ALARA IN ALL WE DO**
### Attachment 6 - Data Tables

**OTP-CRL-PO-001** 85 gal overpack drum for LLW processing (202A) and LLW loadout (202G)

<table>
<thead>
<tr>
<th>RADDETAIL</th>
</tr>
</thead>
</table>
| RDET_ASSAY_DT from NDA data  
| RDET_ASSAY_NUM from NDA data  
| RDET_CERT_DT = TBD  
| RDET_HANDLING = C  
| RDET_NEUT_DOSE_RATE = user entry  
| RDET_ORGANIC_VOL_PCT = user entry  
| RDET_ORGANIC_WGT = user entry  
| RDET_RSWIMS_COUNT = 1  
| RDET_SDAR_APPRV_NUM = TBD  
| RDET_SHIELD = TBD  
| RDET_SWIMS_CD = TBD  
| RDET_THERMAL_POWER from NDA data  
| RDET_TOT_ALPHA_CI = calculated  
| RDET_TOT_BG_CI = calculated  
| RDET_TOT_DE_CI = calculated  
| RDET_TOT_PE_CI = calculated  
| RDET_TOT_PU_FGE = calculated  
| RDET_WASTE_MAKEUP = TBD  
| RDET_WRAP_CAT = TBD  

| ISOQTY | Data from NDA data review  
<table>
<thead>
<tr>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>CONREL</td>
</tr>
</tbody>
</table>
| CONR_FROM_PKG_ID = OTP-CRL-PI-001  
| CONR_TO_PKG_ID = OTP-CRL-PO-001  
| CONR_DT = system date/time  
| CONR_REL_CD = W  
| CONR_FROM_PKG_ID = OTP-CRL-PI-002  
| CONR_TO_PKG_ID = OTP-CRL-PO-001  
| CONR_DT = system date/time  
| CONR_REL_CD = W  
| CONR_FROM_PKG_ID = OTP-CRL-PI-003  
| CONR_TO_PKG_ID = OTP-CRL-PO-001  
| CONR_DT = system date/time  
| CONR_REL_CD = W  
| CONR_FROM_PKG_ID = OTP-CRL-PI-004  
| CONR_TO_PKG_ID = OTP-CRL-PO-001  
| CONR_DT = system date/time  
| CONR_REL_CD = W  

Data after drum shipped  
Table XX.9

<table>
<thead>
<tr>
<th>WASTE</th>
</tr>
</thead>
<tbody>
<tr>
<td>CONLOC</td>
</tr>
</tbody>
</table>
| CONLOC_DT = system date  
| CONLOC_LOCN_ID = IN_TRANSIT  

<table>
<thead>
<tr>
<th>CONLOC</th>
</tr>
</thead>
<tbody>
<tr>
<td>CONLOC</td>
</tr>
</tbody>
</table>
| CONLOC_DT = system date  
| CONLOC_LOCN_ID = IN_TRANSIT  

---

**HANFORD NUCLEAR FACILITY**  
**WRAP I**  
Integrated Engineering Cold Run Test - Balance of Plant  
**HNF-SD-W026-OTP-018**  
Rev: 1  
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## ATTACHMENT 6 - DATA TABLES

### OTP-CRL-PO-001: 85 gal overpack drum for LLW processing (202A) and LLW loadout (202C)

| RADMAT          | for RADMAT_ID = F  
|                 | RADMAT_ALARM = F  
|                 | RADMAT_RAD_TOT = 14 |
| (S)WASTE        | All data copied from DMS |
| (S)RADDETAIL    | All data copied from DMS |
| (S)ISOOTY       | All data copied from DMS |
| (S)PHYSCOMP     | All data copied from DMS |
| (S)HAZDETAIL    | All data copied from DMS |
| (S)CHEMCOMP     | All data copied from DMS |
| (S)SHIPMENT     | All data copied from DMS |
| (S)SHIPITEM     | All data copied from DMS |
| (S)SHIPHIST     | All data copied from DMS |

<table>
<thead>
<tr>
<th>CONREL</th>
</tr>
</thead>
<tbody>
<tr>
<td>(S)CONR_FROM_PKG_ID = OTP-CRL-PI-001</td>
</tr>
<tr>
<td>(S)CONR_TO_PKG_ID = OTP-CRL-PO-001</td>
</tr>
<tr>
<td>(S)CONR_DT = system date/time</td>
</tr>
<tr>
<td>(S)CONR_REL_CD = W</td>
</tr>
<tr>
<td>(S)CONR_FROM_PKG_ID = OTP-CRL-PI-002</td>
</tr>
<tr>
<td>(S)CONR_TO_PKG_ID = OTP-CRL-PO-001</td>
</tr>
<tr>
<td>(S)CONR_DT = system date/time</td>
</tr>
<tr>
<td>(S)CONR_REL_CD = W</td>
</tr>
<tr>
<td>(S)CONR_FROM_PKG_ID = OTP-CRL-PI-003</td>
</tr>
<tr>
<td>(S)CONR_TO_PKG_ID = OTP-CRL-PO-001</td>
</tr>
<tr>
<td>(S)CONR_DT = system date/time</td>
</tr>
<tr>
<td>(S)CONR_REL_CD = W</td>
</tr>
<tr>
<td>(S)CONR_FROM_PKG_ID = OTP-CRL-PI-004</td>
</tr>
<tr>
<td>(S)CONR_TO_PKG_ID = OTP-CRL-PO-001</td>
</tr>
<tr>
<td>(S)CONR_DT = system date/time</td>
</tr>
<tr>
<td>(S)CONR_REL_CD = W</td>
</tr>
</tbody>
</table>

END
Table XXI - Data description for OTP-CRL-PI-002

<table>
<thead>
<tr>
<th>Initial SWITS Data (SCRIPT)</th>
<th>(S)WASTE</th>
<th>(S)IRADDETAIL</th>
<th>(S)ISOQTY</th>
</tr>
</thead>
<tbody>
<tr>
<td>Table XXI.1</td>
<td>(S)CON_PKG_ID = OTP-CRL-PI-002</td>
<td>(S)RDET_PKG_ID = OTP-CRL-PI-002</td>
<td>(S)RAD_PKG_ID = OTP-CRL-PI-002</td>
</tr>
<tr>
<td></td>
<td>(S)CON_CNTYP_CD = DM</td>
<td>(S)RDET_ASSAY_DT = system date</td>
<td>(S)RAD_ISO_NUM = 3</td>
</tr>
<tr>
<td></td>
<td>(S)CON_LOCN_FACIL_ID = 2401W</td>
<td>(S)RDET_SWTYP_GROUP = LLW</td>
<td>(S)RAD_QTY = 1.0 E-6</td>
</tr>
<tr>
<td></td>
<td>(S)CON_PKG_STATUS = A</td>
<td>(S)RDET_BG_DOSE_RATE = 10</td>
<td>(S)RAD_PKG_ID = OTP-CRL-PI-002</td>
</tr>
<tr>
<td></td>
<td>(S)CON_PWTPCD_CD = R</td>
<td>(S)RDET_TOT_BG_CI = 10</td>
<td>(S)RAD_ISO_NUM = 8</td>
</tr>
<tr>
<td></td>
<td>(S)CON_SIZE_DESCR = 55 GALLON</td>
<td>(S)RDET_TOT_DE_CI = 1</td>
<td>(S)RAD_QTY = 2.0 E-6</td>
</tr>
<tr>
<td></td>
<td>(S)CON_GROSS_WGT = 100</td>
<td>(S)RDET_TOT_PU_FGE = 0</td>
<td>(S)RAD_PKG_ID = OTP-CRL-PI-002</td>
</tr>
<tr>
<td></td>
<td>(S)CON_SRCFACIL_ID = 202A</td>
<td>(S)RDET_WASTE_MAKEUP = X</td>
<td>(S)RAD_ISO_NUM = 26</td>
</tr>
<tr>
<td></td>
<td>(S)CON_TARE_WGT = 21</td>
<td></td>
<td>(S)RAD_QTY = 3.0 E-6</td>
</tr>
</tbody>
</table>

Data after receipt

<table>
<thead>
<tr>
<th>(S)WASTE</th>
<th>(S)CON_LOCN_FACIL_ID = 2336W</th>
</tr>
</thead>
</table>

Table XXI.2
## ATTACHMENT 6 - DATA TABLES

### OTP-CRL-PI-002 55 gal LLW drum for processing (202A)

<table>
<thead>
<tr>
<th>WASTE</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>CON_PKG_ID = OTP-CRL-PI-002</td>
<td></td>
</tr>
<tr>
<td>CON_CNTYP_CD = DM</td>
<td></td>
</tr>
<tr>
<td>CON_LOCN_FACIL_ID = 2338W</td>
<td></td>
</tr>
<tr>
<td>CON_PKG_STATUS = A</td>
<td></td>
</tr>
<tr>
<td>CON_PWTTYP_CD = R</td>
<td></td>
</tr>
<tr>
<td>CON_SIZE_DESCR = 55 GALLON</td>
<td></td>
</tr>
<tr>
<td>CON_GROSS_WGT = 100</td>
<td></td>
</tr>
<tr>
<td>CON_SRCE_FACIL_ID = 202A</td>
<td></td>
</tr>
<tr>
<td>CON_TARE_WGT = 21</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>WASTEXT</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>CONEXT_PKG_ID = OTP-CRL-PI-002</td>
<td></td>
</tr>
<tr>
<td>CONEXT_USE_CD = WV</td>
<td></td>
</tr>
<tr>
<td>CONEXT_WRAP_STAT_CD = W</td>
<td></td>
</tr>
<tr>
<td>CONEXT_ROUTE_CD = 9</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>RADDETAIL</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>RDET_PKG_ID = OTP-CRL-PI-002</td>
<td></td>
</tr>
<tr>
<td>RDET_ASSAY_DT = system date</td>
<td></td>
</tr>
<tr>
<td>RDET_SWTTYP_GROUP = LLW</td>
<td></td>
</tr>
<tr>
<td>RDET_BG_DOSE_RATE = 10</td>
<td></td>
</tr>
<tr>
<td>RDET_TOT_BG_CI = 10</td>
<td></td>
</tr>
<tr>
<td>RDET_TOT_DE_CI = 1</td>
<td></td>
</tr>
<tr>
<td>RDET_TOT_PU_FGE = 0</td>
<td></td>
</tr>
<tr>
<td>RDET_WASTE_MAKEUP = X</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>ISOQTY</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>RAD_PKG_ID = OTP-CRL-PI-002</td>
<td></td>
</tr>
<tr>
<td>RAD_ISO_NUM = 3</td>
<td></td>
</tr>
<tr>
<td>RAD_QTY = 1.0 E-6</td>
<td></td>
</tr>
</tbody>
</table>

| RAD_PKG_ID = OTP-CRL-PI-002    |
| RAD_ISO_NUM = 8                |
| RAD_QTY = 2.0 E-6              |

| RAD_PKG_ID = OTP-CRL-PI-002    |
| RAD_ISO_NUM = 26               |
| RAD_QTY = 3.0 E-6              |

| RAD_PKG_ID = OTP-CRL-PI-002    |
| RAD_ISO_NUM = 13               |
| RAD_QTY = 4.0 E-6              |

| RAD_PKG_ID = OTP-CRL-PI-002    |
| RAD_ISO_NUM = 100              |
| RAD_QTY = 5.0                  |

| CON_SAMPLE_FLAG = TBD          |

---

At Infeed Conveyor Scale

Table XXI.3
### ATTACHMENT 6 - DATA TABLES

#### OTP-CRL-PI-002 55 gal LLW drum for processing (202A)

<table>
<thead>
<tr>
<th>Table XXI.4</th>
<th>At LLW Entry Glovebox</th>
<th>Drum data after puck or removed waste shipped</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>WASTEXT</strong></td>
<td>CONEXT_COMPLIANT_FLAG = TBD</td>
<td>(S)WASTE (S)CON_LOCN_FACIL_ID = null (S)CON_PKG_STATUS = R</td>
</tr>
<tr>
<td></td>
<td>CONEXT_PROF_ID = TBD</td>
<td></td>
</tr>
<tr>
<td></td>
<td>CONEXT_PROF_FLAG = TBD</td>
<td></td>
</tr>
<tr>
<td></td>
<td>CONEXT_USE_CD = WP</td>
<td></td>
</tr>
<tr>
<td></td>
<td>CON Verm_GROSS_WGT = measured value - 31 (OTP-CRL-PO-002 tare)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>CONEXT_VER_GROSS_WGT_FLAG = N</td>
<td></td>
</tr>
<tr>
<td></td>
<td>CONEXT_WRAP_STAT_CD = I</td>
<td></td>
</tr>
</tbody>
</table>

**WASTE**

<table>
<thead>
<tr>
<th>At LLW Entry Glovebox</th>
<th>Table XXI.4</th>
</tr>
</thead>
<tbody>
<tr>
<td>CON Pakg_STATUS = R</td>
<td>CON Pakg_STATUS = R</td>
</tr>
</tbody>
</table>

**NDE**

- As entered by radiographer

**NDA**

- As returned from SIE

**NDAISO**

- As returned from SIE

**CONLOC**

- CONLOC_PKG_ID = OTP-CRL-PI-002
- CONLOC_DT = system date
- CONLOC_LOCN_ID = LLW_ENTRY
## Table XXII - Data description for OTP-CRL-PO-002

<table>
<thead>
<tr>
<th>Initial SWITS Data (SCRIPT)</th>
<th>OTP-CRL-PO-002</th>
<th>85 gal overpack drum for LLW processing (202A) and LLW RWM treated Waste loadout (201D)</th>
</tr>
</thead>
<tbody>
<tr>
<td>(S)WASTE</td>
<td></td>
<td>(S)CON_PKG_ID = OTP-CRL-PO-002</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(S)CON_CNTL_CD = DM</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(S)CON_LOCN_FACIL_ID = 2401W</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(S)CON_PKG_STATUS = M</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(S)CON_SIZE_DESCR = 85 GALLON</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(S)CON_TARE_WGT = 31</td>
</tr>
<tr>
<td>(S)CONREL</td>
<td></td>
<td>(S)CONR_FROM_PKG_ID = OTP-CRL-PI-002</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(S)CONR_TO_PKG_ID = OTP-CRL-PO-002</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(S)CONR_DT = system date</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(S)CONR_REL_CD = M</td>
</tr>
<tr>
<td>Data after receipt</td>
<td>(S)WASTE</td>
<td>(S)CON_LOCN_FACIL_ID = 2336W</td>
</tr>
<tr>
<td>Table XXII.1</td>
<td></td>
<td>WASTE</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CON_PKG_ID = OTP-CRL-PO-002</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CON_CNTL_CD = DM</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CON_LOCN_FACIL_ID = 2336W</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CON_PKG_STATUS = M</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CON_SIZE_DESCR = 85 GALLON</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CON_TARE_WGT = 31</td>
</tr>
<tr>
<td></td>
<td></td>
<td>WASTEXT</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CONEXT_PKG_ID = OTP-CRL-PO-002</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CONEXT_USE_CD = W</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CONEXT_WRAP_STAT_CD = W</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CONEXT_ROUTE_CD = 9</td>
</tr>
<tr>
<td></td>
<td></td>
<td>RADMAT</td>
</tr>
<tr>
<td></td>
<td></td>
<td>RADMAT_ID = F</td>
</tr>
<tr>
<td></td>
<td></td>
<td>RADMAT_ALARM = F</td>
</tr>
<tr>
<td></td>
<td></td>
<td>RADMAT_LIMIT = 1433</td>
</tr>
<tr>
<td></td>
<td></td>
<td>RADMAT_RAD_TOT = 14</td>
</tr>
<tr>
<td></td>
<td></td>
<td>RADMAT_UNITS = CI</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CONLOC</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CONLOC_PKG_ID = OTP-CRL-PO-002</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CONLOC_DT = system date</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CONLOC_LOCN_ID = RECDCK</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CONREL</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CONR_FROM_PKG_ID = OTP-CRL-PI-002</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CONR_TO_PKG_ID = OTP-CRL-PO-002</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CONR_DT = system date</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CONR_REL_CD = M</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CONEXT_ROUTE_CD = 3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CONEXT_USE_CD = WP</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CONEXT_WRAP_STAT_CD = I</td>
</tr>
<tr>
<td>At Infeed Conveyor weight</td>
<td>WASTEXT</td>
<td></td>
</tr>
<tr>
<td>scale</td>
<td></td>
<td>CONEXT_ROUTE_CD = 3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CONEXT_USE_CD = WP</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CONEXT_WRAP_STAT_CD = I</td>
</tr>
</tbody>
</table>

Table XXII.1

Table XXII.2

Table XXII.3
### OTP-CRL-PO-002 85 gal overpack drum for LLW processing (202A) and LLW RWM treated Waste loadout (201D)

| Data after scanning at lift table | CONLOC | CONLOC_DT = system date  
CONLOC_LOCN_ID = INFDCVYRW |
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>(S)WASTE</td>
<td>(S)CON_PKG_STATUS = U</td>
<td></td>
</tr>
<tr>
<td>(S)CONREL</td>
<td>deleted (‘M’ code)</td>
<td></td>
</tr>
<tr>
<td>WASTE</td>
<td>CON_PKG_STATUS = U</td>
<td></td>
</tr>
<tr>
<td>CONREL</td>
<td>deleted (‘M’ code)</td>
<td></td>
</tr>
</tbody>
</table>
| CONLOC                          | CONLOC_DT = system date  
CONLOC_LOCN_ID = LLW_ENTRY |
| After glovebox processing (SCRIPT) | WASTE | CON_GENER_WASTE_DESCR = PRODUCT DRUM FROM 201D  
CON_PWTYP_CD = M  
CON_SCAT_CD = ANY |
| Table XXII.4                    | WASTEXT | CONTEXT_PROF_FLAG = Y  
CONTEXT_PROF_ID = NRLLLW1 |
| PHYSCOMP                        | PHYS_PKG_ID = OTP-LLWR-PD-01  
PHYS_COMP_DESCR = ABSORBER AQUEOUS SOLUTION  
PHYS_COMP_WGT = 6  
PHYS_COMP_VOL_PCT = 60 |
|                                 | PHYS_PKG_ID = OTP-LLWR-PD-01  
PHYS_COMP_DESCR = PLASTIC/POLY URATHANE  
PHYS_COMP_WGT = 2  
PHYS_COMP_VOL_PCT = 5 |
|                                 | PHYS_PKG_ID = OTP-LLWR-PD-01  
PHYS_COMP_DESCR = HAZARDOUS CONSTITUENTS  
PHYS_COMP_WGT = 4  
PHYS_COMP_VOL_PCT = 45 |
| HAZDETAIL                       | HDET_PKG_ID = OTP-CRL-PO-002 |
### ATTACHMENT 6 - DATA TABLES

**OTP-CRL-PO-002** 85 gal overpack drum for LLW processing (202A) and LLW RWM treated Waste loadout (201D)

| CHEMCOMP | HAZ_PKG_ID = OTP-CRL-PO-002  
| HAZ_COMP_ID = 67-64-1  
| HAZ_COMP_TEXT = ACETONE  
| HAZ_COMP_WGT = 2  
| HAZ_PKG_ID = OTP-LLWR-PD-01  
| HAZ_COMP_ID = 64742-63-8  
| HAZ_COMP_TEXT = REFINED PETROLEUM OIL  
| HAZ_COMP_WGT = 2 |

| CONREL | CONR_FROM_PKG_ID = OTP-CRL-TC-001  
| CONR_TO_PKG_ID = OTP-CRL-PO-002  
| CONR_DT = sysdate  
| CONR_REL_CD = C |

| CONREL | CONR_FROM_PKG_ID = OTP-CRL-TC-002  
| CONR_TO_PKG_ID = OTP-CRL-PO-002  
| CONR_DT = sysdate  
| CONR_REL_CD = C |

| CONREL | CONR_FROM_PKG_ID = OTP-CRL-TC-003  
| CONR_TO_PKG_ID = OTP-CRL-PO-002  
| CONR_DT = sysdate  
| CONR_REL_CD = C |

| CONREL | CONR_FROM_PKG_ID = OTP-CRL-TC-004  
| CONR_TO_PKG_ID = OTP-CRL-PO-002  
| CONR_DT = sysdate  
| CONR_REL_CD = C |

| CONREL | CONR_FROM_PKG_ID = OTP-CRL-TC-005  
| CONR_TO_PKG_ID = OTP-CRL-PO-002  
| CONR_DT = sysdate  
| CONR_REL_CD = C |

| CONLOC | CONLOC_PKG_ID = OTP-CRL-PO-002  
| CONLOC_DT = system date  
| CONLOC_LOCN_ID = LLWRWEXIT |

| WASTE | CON_ACCUM_DT = system date/time  
| CON_GROSS_WT = conveyor weight  
| CON_LABPACK_FLAG = N  
| CON_PKG_DT = system date/time  
| CON_PKG_STATUS = G  
| CON_PHYS_STATE_CD = S  
| CON_WASTE_WGT = gross - tare - filler |

| WASTEXT | CONEXT_CNTR_STATUS = F |
## ATTACHMENT 6 - DATA TABLES

### Table XXII.7

<table>
<thead>
<tr>
<th>Column</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Discharge conveyor weight scale</strong></td>
<td></td>
</tr>
<tr>
<td><strong>WASTEXT</strong></td>
<td>CONEXT_NDE_VER_FLAG = Y, CONEXT_RADMAT_ID = F, CONEXT_TOT_PU_FGE = user entry from 202 screen, CONEXT_VER_GROSS_WGT = conveyor scale weight, CONEXT_VER_GROSS_WGT_FLAG = N, CONEXT_WRAP_STAT_CD = C</td>
</tr>
</tbody>
</table>

### Table XXII.8

<table>
<thead>
<tr>
<th>Column</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Data after data review</strong></td>
<td></td>
</tr>
<tr>
<td><strong>WASTE</strong></td>
<td>CON_DEBRIS_FLAG = TBD, CON_CHEM_NATURE_CD = TBD, CON_CNTR_VOL = TBD, CON_DOT_SPEC = TBD, CON_GENER_ID = id of data reviewer, CON_GGRP_ID = WRAP, CON_ITEM_NUM = TBD, CON_MFST_NUM = TBD, CON_ROUTINE = TBD, CON_SCAT_CD = TBD, CON_SRCE_CHRG_CD = WRAP, CON_SRCE_CMPNY_ID = TBD, CON_SRCE_CMPNY_TYPE = TBD, CON_SRCE_FACIL_ID = TBD, CON_SRCE_ORG = TBD, CON_WASTE_STREAM = TBD, CON_WSRD_NUM = TBD, CON_WSRD_REV = TBD</td>
</tr>
</tbody>
</table>
## ATTACHMENT 6 - DATA TABLES

**OTP-CRL-PO-002**  85 gal overpack drum for LLW processing (202A) and LLW RWM treated Waste loadout (201D)

| RADDETAIL | RDET_ASSAY_DT from NDA data  
| RDET_ASSAY_NUM from NDA data  
| RDET_CERT_DT = TBD  
| RDET_HANDLING = C  
| RDET_NEUT_DOSE_RATE = user entry  
| RDET_ORGANIC_VOL_PCT = user entry  
| RDET_ORGANIC_WGT = user entry  
| RDET_RSWIMS_COUNT = 1  
| RDET_SDAR_APPR_NUM = TBD  
| RDET_SHIELD = TBD  
| RDET_SWIMS_CD = TBD  
| RDET_THERMAL_POWER from NDA data  
| RDET_TOT_ALPHA_CI = calculated  
| RDET_TOT_BG_CI = calculated  
| RDET_TOT_DE_CI = calculated  
| RDET_TOT_PE_CI = calculated  
| RDET_TOT_PU_FGE = calculated  
| RDET_WASTE_MAKEUP = TBD  
| RDET_WRAP_CAT = TBD |

| ISOQTY | Data from NDA data review |

| CONREL | CONR_FROM_PKG_ID = OTP-CRL-PI-002  
| CONR_TO_PKG_ID = OTP-CRL-PO-002  
| CONR_DT = system date/time  
| CONR_REL_CD = W  
| CONR_FROM_PKG_ID = OTP-CRL-PI-004  
| CONR_TO_PKG_ID = OTP-CRL-PO-002  
| CONR_DT = system date/time  
| CONR_REL_CD = W |

Data after drum shipped

| WASTE | CON_LCN_FACIL_ID = TRANSIT  
| CON_PKG_STATUS = A  
| CON_SHIP_DT = system date |

| CONLOC | CONLOC_DT = system date  
| CONLOC_LCN_ID = IN_TRANSIT |

| RADMAT | for RADMAT_ID = F  
| RADMAT_ALARM = F  
| RADMAT_RAD_TOT = 14 |

| (S)WASTE | All data copied from DMS |

| (S)RADDETAIL | All data copied from DMS |

| (S)ISOQTY | All data copied from DMS |
### ATTACHMENT 6 - DATA TABLES

<table>
<thead>
<tr>
<th>OTP-CRL-PO-002</th>
<th>85 gal overpack drum for LLW processing (202A) and LLW RWM treated Waste loadout (201D)</th>
</tr>
</thead>
<tbody>
<tr>
<td>(S)PHYSCOMP</td>
<td>All data copied from DMS</td>
</tr>
<tr>
<td>(S)HAZDETAIL</td>
<td>All data copied from DMS</td>
</tr>
<tr>
<td>(S)CHEMCOMP</td>
<td>All data copied from DMS</td>
</tr>
<tr>
<td>(S)SHIPTHEME</td>
<td>All data copied from DMS</td>
</tr>
<tr>
<td>(S)SHIPTITEM</td>
<td>All data copied from DMS</td>
</tr>
<tr>
<td>(S)SHIPTIST</td>
<td>All data copied from DMS</td>
</tr>
</tbody>
</table>
| CONREL         | (S)CONR_FROM_PKG_ID = OTP-CRL-PI-002  
(S)CONR_TO_PKG_ID = OTP-CRL-PO-002  
(S)CONR_DT = system date/time  
(S)CONR_REL_CD = W  
(S)CONR_FROM_PKG_ID = OTP-CRL-PI-004  
(S)CONR_TO_PKG_ID = OTP-CRL-PO-002  
(S)CONR_DT = system date/time  
(S)CONR_REL_CD = W |

END
**Table XXIII - Data description for OTP-CRL-PI-003**

<table>
<thead>
<tr>
<th>OTP-CRL-PI-003</th>
<th>55 gal LLW drum for processing (202A)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Initial SWITS Data (SCRIPT)</strong></td>
<td><strong>WASTE</strong></td>
</tr>
<tr>
<td><strong>Table XXIII.1</strong></td>
<td>(S)PKG_ID = OTP-CRL-PI-003</td>
</tr>
<tr>
<td></td>
<td>(S)CNTYP_CD = DM</td>
</tr>
<tr>
<td></td>
<td>(S)LOCN_FACIL_ID = 2401W</td>
</tr>
<tr>
<td></td>
<td>PKG_STATUS = A</td>
</tr>
<tr>
<td></td>
<td>PWTYP_CD = R</td>
</tr>
<tr>
<td></td>
<td>SIZE_DESCR = 55 GALLON</td>
</tr>
<tr>
<td></td>
<td>GROSS_WGT = 100</td>
</tr>
<tr>
<td></td>
<td>SRCE_FACIL_ID = 202A</td>
</tr>
<tr>
<td></td>
<td>TARE_WGT = 21</td>
</tr>
<tr>
<td><strong>Data after receipt</strong></td>
<td><strong>WASTE</strong></td>
</tr>
<tr>
<td></td>
<td>PKG_ID = OTP-CRL-PI-003</td>
</tr>
<tr>
<td></td>
<td>ISO_NUM = 3</td>
</tr>
<tr>
<td></td>
<td>QTY = 1.0E-6</td>
</tr>
<tr>
<td></td>
<td>PKG_ID = OTP-CRL-PI-003</td>
</tr>
<tr>
<td></td>
<td>ISO_NUM = 8</td>
</tr>
<tr>
<td></td>
<td>QTY = 2.0E-6</td>
</tr>
<tr>
<td></td>
<td>PKG_ID = OTP-CRL-PI-003</td>
</tr>
<tr>
<td></td>
<td>ISO_NUM = 26</td>
</tr>
<tr>
<td></td>
<td>QTY = 3.0E-6</td>
</tr>
<tr>
<td></td>
<td>PKG_ID = OTP-CRL-PI-003</td>
</tr>
<tr>
<td></td>
<td>ISO_NUM = 13</td>
</tr>
<tr>
<td></td>
<td>QTY = 4.0E-6</td>
</tr>
<tr>
<td></td>
<td>PKG_ID = OTP-CRL-PI-003</td>
</tr>
<tr>
<td></td>
<td>ISO_NUM = 100</td>
</tr>
<tr>
<td></td>
<td>QTY = 5.0</td>
</tr>
</tbody>
</table>

Table XXIII.2
### ATTACHMENT 6 - DATA TABLES

**OTP-CRL-PI-003** 55 gal LLW drum for processing (202A)

#### WASTE
- `CON_PKG_ID = OTP-CRL-PI-003`
- `CON_CNTYP_CD = DM`
- `CON_LOCN_FACIL_ID = 2336W`
- `CON_PKG_STATUS = A`
- `CON_PWTYP_CD = R`
- `CON_SIZE_DESCR = 55 GALLON`
- `CON_GROSS_WGT = 100`
- `CON_SRCE_FACIL_ID = 202A`
- `CON_TARE_WGT = 21`

#### WASTEXT
- `CONEXT_PKG_ID = OTP-CRL-PI-003`
- `CONEXT_USE_CD = WV`
- `CONEXT_WRAP_STAT_CD = W`
- `CONEXT_ROUTE_CD = 9`

#### RADDetail
- `RDET_PKG_ID = OTP-CRL-PI-003`
- `RDET_ASSAY_DT = system date`
- `RDET_SWTYP_GROUP = LLW`
- `RDET_BG_DOSE_RATE = 10`
- `RDET_TOT_BG_CI = 10`
- `RDET_TOT_DE_CI = 1`
- `RDET_TOT_PU_FGE = 0`
- `RDET_WASTE_MAKEUP = X`

#### ISOQTY
- `RAD_PKG_ID = OTP-CRL-PI-003`
- `RAD_ISO_NUM = 3`
- `RAD_QTY = 1.0 E-6`
- `RAD_PKG_ID = OTP-CRL-PI-003`
- `RAD_ISO_NUM = 8`
- `RAD_QTY = 2.0 E-6`
- `RAD_PKG_ID = OTP-CRL-PI-003`
- `RAD_ISO_NUM = 26`
- `RAD_QTY = 3.0 E-6`
- `RAD_PKG_ID = OTP-CRL-PI-003`
- `RAD_ISO_NUM = 13`
- `RAD_QTY = 4.0 E-6`
- `RAD_PKG_ID = OTP-CRL-PI-003`
- `RAD_ISO_NUM = 100`
- `RAD_QTY = 5.0`

At Infeed Conveyor Scale

**WASTE**
- `CON_SAMPLE_FLAG = TBD`
### ATTACHMENT 6 - DATA TABLES

#### OTP-CRL-PI-003 55 gal LLW drum for processing (202A)

<table>
<thead>
<tr>
<th>Field</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>WASTEXT</td>
<td>CONEXT_COMPLIANT_FLAG = TBD, CONEXT_PROF_ID = TBD, CONEXT_PROF_FLAG = TBD, CONEXT_USE_CD = WP, CONEXT_VER_GROSS_WGT = measured value - 31 (OTP-CRL-PO-003 tare), CONEXT_VER_GROSS_WGT_FLAG = N, CONEXT_WRAP_STAT_CD = I</td>
</tr>
<tr>
<td>WASTE</td>
<td>CON_PKG_STATUS = R</td>
</tr>
<tr>
<td>WASTEXT</td>
<td>CONEXT_RADMAT_ID = R, CONEXT_TOT_PU_FGE = value entered on 202 screen</td>
</tr>
<tr>
<td>NDE</td>
<td>As entered by radiographer</td>
</tr>
<tr>
<td>NDA</td>
<td>As returned from SIE</td>
</tr>
<tr>
<td>NDAISO</td>
<td>As returned from SIE</td>
</tr>
<tr>
<td>CONLOC</td>
<td>CONLOC_PKG_ID = OTP-CRL-PI-003, CONLOC_DT = system date, CONLOC_LOCN_ID = LLW_ENTRY</td>
</tr>
<tr>
<td>(S)WASTE</td>
<td>(S)CON_LOCN_FACIL_ID = null, (S)CON_PKG_STATUS = R</td>
</tr>
<tr>
<td>Drum data after puck or removed waste shipped</td>
<td></td>
</tr>
<tr>
<td>Table XXIII.4</td>
<td></td>
</tr>
<tr>
<td>END</td>
<td></td>
</tr>
</tbody>
</table>
## ATTACHMENT 6 - DATA TABLES

### Table XXIV - Data description for OTP-CRL-PO-003

<table>
<thead>
<tr>
<th>OPC-PRL-P-003</th>
<th>85 gal overpack drum for LLW processing (202A) and LLW loadout (202C)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Initial SWITS Data (SCRIPT)</strong></td>
<td><strong>(S)WASTE</strong></td>
</tr>
<tr>
<td><strong>Table XXIV.1</strong></td>
<td><strong>(S)CON_PKG_ID = OTP-CRL-PO-003</strong></td>
</tr>
<tr>
<td></td>
<td><strong>(S)CON_CNTYP_CD = DM</strong></td>
</tr>
<tr>
<td></td>
<td><strong>(S)CON_LOCN_FACIL_ID = 2401W</strong></td>
</tr>
<tr>
<td></td>
<td><strong>(S)CON_PKG_STATUS = M</strong></td>
</tr>
<tr>
<td></td>
<td><strong>(S)CON_SIZE_DESCR = 85 GALLON</strong></td>
</tr>
<tr>
<td></td>
<td><strong>(S)CON_TARE_WGT = 31</strong></td>
</tr>
<tr>
<td></td>
<td><strong>(S)ICONREL</strong></td>
</tr>
<tr>
<td></td>
<td><strong>(S)CONR_FROM_PKG_ID = OTP-CRL-PI-003</strong></td>
</tr>
<tr>
<td></td>
<td><strong>(S)CONR_TO_PKG_ID = OTP-CRL-PO-003</strong></td>
</tr>
<tr>
<td></td>
<td><strong>(S)CONR_DT = system date</strong></td>
</tr>
<tr>
<td></td>
<td><strong>(S)CONR_REL_CD = M</strong></td>
</tr>
<tr>
<td><strong>Data after receipt</strong></td>
<td><strong>(S)WASTE</strong></td>
</tr>
<tr>
<td><strong>Table XXIV.2</strong></td>
<td><strong>WASTE</strong></td>
</tr>
<tr>
<td></td>
<td><strong>CON_PKG_ID = OTP-CRL-PO-003</strong></td>
</tr>
<tr>
<td></td>
<td><strong>CON_CNTYP_CD = DM</strong></td>
</tr>
<tr>
<td></td>
<td><strong>CON_LOCN_FACIL_ID = 2336W</strong></td>
</tr>
<tr>
<td></td>
<td><strong>CON_PKG_STATUS = M</strong></td>
</tr>
<tr>
<td></td>
<td><strong>CON_SIZE_DESCR = 85 GALLON</strong></td>
</tr>
<tr>
<td></td>
<td><strong>CON_TARE_WGT = 31</strong></td>
</tr>
<tr>
<td></td>
<td><strong>WASTEXT</strong></td>
</tr>
<tr>
<td></td>
<td><strong>CONEXT_PKG_ID = OTP-CRL-PO-003</strong></td>
</tr>
<tr>
<td></td>
<td><strong>CONEXT_USE_CD = WA (OD sp4)</strong></td>
</tr>
<tr>
<td></td>
<td><strong>CONEXT_WRAP_STAT_CD = W 2n 99</strong></td>
</tr>
<tr>
<td></td>
<td><strong>CONEXT_ROUTE_CD = 9</strong></td>
</tr>
<tr>
<td><strong>RADMAT</strong></td>
<td><strong>RADMAT ID = F</strong></td>
</tr>
<tr>
<td></td>
<td><strong>RADMAT_ALARM = F</strong></td>
</tr>
<tr>
<td></td>
<td><strong>RADMAT_LIMIT = 1433</strong></td>
</tr>
<tr>
<td></td>
<td><strong>RADMAT_RAD_TOT = 14</strong></td>
</tr>
<tr>
<td></td>
<td><strong>RADMAT_UNITS = CI</strong></td>
</tr>
<tr>
<td><strong>CONLOC</strong></td>
<td><strong>CONLOC_PKG_ID = OTP-CRL-PO-003</strong></td>
</tr>
<tr>
<td></td>
<td><strong>CONLOC_DT = system date</strong></td>
</tr>
<tr>
<td></td>
<td><strong>CONLOC_LOCN_ID = RECDCK</strong></td>
</tr>
<tr>
<td><strong>CONREL</strong></td>
<td><strong>CONR_FROM_PKG_ID = OTP-CRL-PI-003</strong></td>
</tr>
<tr>
<td></td>
<td><strong>CONR_TO_PKG_ID = OTP-CRL-PO-003</strong></td>
</tr>
<tr>
<td></td>
<td><strong>CONR_DT = system date</strong></td>
</tr>
<tr>
<td></td>
<td><strong>CONR_REL_CD = M</strong></td>
</tr>
<tr>
<td><strong>At Infeed Conveyor weight scale</strong></td>
<td><strong>WASTEXT</strong></td>
</tr>
<tr>
<td><strong>Table XXIV.3</strong></td>
<td><strong>CONEXT_ROUTE_CD = 3</strong></td>
</tr>
<tr>
<td></td>
<td><strong>CONEXT_USE_CD = WP</strong></td>
</tr>
<tr>
<td></td>
<td><strong>CONEXT_WRAP_STAT_CD = I</strong></td>
</tr>
</tbody>
</table>
## ATTACHMENT 6 - DATA TABLES

### OTP-CRL-PO-003

85 gal overpack drum for LLW processing (202A) and LLW loadout (202C)

<table>
<thead>
<tr>
<th>Data after scanning at lift table 202A</th>
<th>Table XXIV.4</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>CONLOC</strong></td>
<td>CONLOC_DT = system date</td>
</tr>
<tr>
<td><strong>CONLOC</strong></td>
<td>CONLOC_LOCN_ID = INFDCVYRW</td>
</tr>
<tr>
<td>(S)WASTE</td>
<td>(S)CON_PKG_STATUS = U</td>
</tr>
<tr>
<td>(S)CONREL</td>
<td>deleted ('M' code)</td>
</tr>
<tr>
<td>WASTE</td>
<td>CON_PKG_STATUS = U</td>
</tr>
<tr>
<td>CONREL</td>
<td>deleted ('M' code)</td>
</tr>
<tr>
<td>CONLOC</td>
<td>CONLOC_DT = system date</td>
</tr>
<tr>
<td></td>
<td>CONLOC_LOCN_ID = LLW_ENTRY</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Data after scanning at lift table 202C</th>
<th>Table XXIV.5</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>WASTEXT</strong></td>
<td>CONEXT_USE_CD = PD</td>
</tr>
<tr>
<td><strong>RADDetail</strong></td>
<td>RDET_SWTYP_GROUP = LLW</td>
</tr>
<tr>
<td><strong>CONLOC</strong></td>
<td>CONLOC_DT = system date</td>
</tr>
<tr>
<td></td>
<td>CONLOC_LOCN_ID = LLW_EXIT</td>
</tr>
</tbody>
</table>

END
**Table XXV - Data description for OTP-CRL-PI-004**

<table>
<thead>
<tr>
<th>Data after receipt</th>
<th>(S)WASTE</th>
<th>(S)CON_PKG_ID = OTP-CRL-PI-004</th>
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</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>(S)CON_CNTYP_CD = DM</td>
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<tr>
<td></td>
<td></td>
<td>(S)CON_LOCN_FACIL_ID = 2401W</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(S)CON_PKG_STATUS = A</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(S)CON_PWTYP_CD = R</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(S)CON_SIZE_DESCR = 55 GALLON</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(S)CON_GROSS_WGT = 100</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(S)CON_SRCE_FACIL_ID = 202A</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(S)CON_TARE_WGT = 21</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>(S)RADDetail</td>
<td>(S)RDET_PKG_ID = OTP-CRL-PI-004</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(S)RDET_ASSAY_DT = system date</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(S)RDET_SWTYP_GROUP = LLW</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(S)RDET_BG_DOSE_RATE = 210</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(S)RDET_TOT_BG_CI = 10</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(S)RDET_TOT_DE_CI = 2000</td>
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<tr>
<td></td>
<td></td>
<td>(S)RDET_TOT_PU_FGE = 210</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(S)RDET_WASTE_MAKEUP = X</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>(S)ISOQTY</td>
<td>(S)RAD_PKG_ID = OTP-CRL-PI-004</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(S)RAD_ISO_NUM = 3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(S)RAD_QTY = 1.0 E-6</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>(S)RAD_PKG_ID = OTP-CRL-PI-004</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(S)RAD_ISO_NUM = 8</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(S)RAD_QTY = 2.0 E-6</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>(S)RAD_PKG_ID = OTP-CRL-PI-004</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(S)RAD_ISO_NUM = 26</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(S)RAD_QTY = 3.0 E-6</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>(S)RAD_PKG_ID = OTP-CRL-PI-004</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(S)RAD_ISO_NUM = 13</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(S)RAD_QTY = 4.0 E-6</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>(S)RAD_PKG_ID = OTP-CRL-PI-004</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(S)RAD_ISO_NUM = 100</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(S)RAD_QTY = 5.0</td>
</tr>
</tbody>
</table>

Table XXV.2
## ATTACHMENT 6 - DATA TABLES

### OTP-CRL-PI-004 55 gal LLW drum for processing

| WASTE | CON_PKG_ID = OTP-CRL-PI-004  
|       | CON_CNTYP_CD = DM  
|       | CON_LOCN_FACIL_ID = 2336W  
|       | CON_PKG_STATUS = A  
|       | CON_PWTYP_CD = R  
|       | CON_SIZE_DESCR = 55 GALLON  
|       | CON_GROSS_WGT = 100  
|       | CON_SRCE_FACIL_ID = 202A  
|       | CON_TARE_WGT = 21  |

| WASTEXT | CONEXT_PKG_ID = OTP-CRL-PI-004  
|         | CONEXT_USE_CD = WV  
|         | CONEXT_WRAP_STAT_CD = W  
|         | CONEXT_ROUTE_CD = 9  |

| RADDETAIL | RDET_PKG_ID = OTP-CRL-PI-004  
|          | RDET_ASSAY_DT = system date  
|          | RDET_SWTYP_GROUP = LLW  
|          | RDET_BG_DOSE_RATE = 10  
|          | RDET_TOT_BG_CI = 10  
|          | RDET_TOT_DE_CI = 1  
|          | RDET_TOT_PU_FGE = 0  
|          | RDET_WASTE_MAKEUP = X  |

| ISOQTY | RAD_PKG_ID = OTP-CRL-PI-004  
|        | RAD_ISO_NUM = 3  
|        | RAD_QTY = 1.0 E-6  
|        | RAD_PKG_ID = OTP-CRL-PI-004  
|        | RAD_ISO_NUM = 8  
|        | RAD_QTY = 2.0 E-6  
|        | RAD_PKG_ID = OTP-CRL-PI-004  
|        | RAD_ISO_NUM = 26  
|        | RAD_QTY = 3.0 E-6  
|        | RAD_PKG_ID = OTP-CRL-PI-004  
|        | RAD_ISO_NUM = 13  
|        | RAD_QTY = 4.0 E-6  
|        | RAD_PKG_ID = OTP-CRL-PI-004  
|        | RAD_ISO_NUM = 100  
|        | RAD_QTY = 5.0  |

At Infeed Conveyor Scale

### WASTE

| CON_SAMPLE_FLAG = TBD |

Table XXV.3
| OTP-CRL-PI-004 55 gal LLW drum for processing | WASTEXT | CONEXT_COMPLIANT_FLAG = TBD |
| | | CONEXT_PROF_ID = TBD |
| | | CONEXT_PROF_FLAG = TBD |
| | | CONEXT_USE_CD = WP |
| | | CONEXT_VER_GROSS_WGT = measured value - 31 (OTP-CRL-PO-004 tare) |
| | | CONEXT_VER_GROSS_WGT_FLAG = N |
| | | CONEXT_WRAP_STAT_CD = I |

At LLW Entry Glovebox

Table XXV.4

| | WASTE | CON_PKG_STATUS = R |
| | WASTEXT | CONEXT_RADMAT_ID = R |
| | | CONEXT_TOT_PU_FGE = value entered on 202 screen |
| | NDE | As entered by radiographer |
| | NDA | As returned from SIE |
| | NDAISO | As returned from SIE |
| | CONLOC | CONLOC_PKG_ID = OTP-CRL-PI-004 |
| | | CONLOC_DT = system date |
| | | CONLOC_LOCN_ID = LLW_ENTRY |

Drum data after puck or removed waste shipped

Table XXV.5

| | (S)WASTE | (S)CON_LOCN_FACIL_ID = null |
| | | (S)CON_PKG_STATUS = R |
Table XXVI - Data description for OTP-CRL-PO-004

| Initial SWITS Data (SCRIPT) | (S)WASTE                                                                 | (S)CON_PKG_ID = OTP-CRL-PO-004  
|                             |                                                                       | (S)CON_CNTYP_CD = DM  
|                             |                                                                       | (S)CON_LOCN_FACIL_ID = 2401W  
|                             |                                                                       | (S)CON_PKG_STATUS = M  
|                             |                                                                       | (S)CON_SIZE_DESCR = 85 GALLON  
|                             |                                                                       | (S)CON_TARE_WGT = 31  
|                             | (S)CONREL                                                               | (S)CONR_FROM_PKG_ID = OTP-CRL-PI-004  
|                             |                                                                       | (S)CONR_TO_PKG_ID = OTP-CRL-PO-004  
|                             |                                                                       | (S)CONR_DT = system date  
|                             |                                                                       | (S)CONR_REL_CD = M  
| Data after receipt         | (S)WASTE                                                                 | (S)CON_LOCN_FACIL_ID = 2336W  
|                             | WASTE                                                                   | CON_PKG_ID = OTP-CRL-PO-004  
|                             |                                                                       | CON_CNTYP_CD = DM  
|                             |                                                                       | CON_LOCN_FACIL_ID = 2336W  
|                             |                                                                       | CON_PKG_STATUS = M  
|                             |                                                                       | CON_SIZE_DESCR = 85 GALLON  
|                             |                                                                       | CON_TARE_WGT = 31  
|                             | WASTEXT                                                                 | CONEXT_PKG_ID = OTP-CRL-PO-004  
|                             |                                                                       | CONEXT_USE_CD = WW  
|                             |                                                                       | CONEXT_WRAP_STAT_CD = W  
|                             |                                                                       | CONEXT_ROUTE_CD = 9  

85 gal overpack drum for LLW processing (202A) and routing to airlock conveyor.
## ATTACHMENT 6 - DATA TABLES

**OTP-CRL-PO-004** 85 gal overpack drum for LLW processing (202A) and routing to airlock conveyor

| RADMAT | RADMAT_ID = F  |
|        | RADMAT_ALARM = F  |
|        | RADMAT_LIMIT = 1433  |
|        | RADMAT_RAD_TOT = 14  |
|        | RADMAT_UNITS = Ci  |
|        | RADMAT_ID = T  |
|        | RADMAT_ALARM = F  |
|        | RADMAT_LIMIT = 177  |
|        | RADMAT_RAD_TOT = 10  |
|        | RADMAT_UNITS = FGE  |
|        | RADMAT_ID = R  |
|        | RADMAT_ALARM = F  |
|        | RADMAT_LIMIT = 177  |
|        | RADMAT_RAD_TOT = 10  |
|        | RADMAT_UNITS = FGE  |

| CONLOC | CONLOC_PKG_ID = OTP-CRL-PO-004  |
|        | CONLOC_DT = system date  |
|        | CONLOC_LOCN_ID = RECDCK  |

| CONREL | CONR_FROM_PKG_ID = OTP-CRL-PI-004  |
|        | CONR_TO_PKG_ID = OTP-CRL-PO-004  |
|        | CONR_DT = system date  |
|        | CONR_REL_CD = M  |

---

### At Infeed Conveyor weight scale

**Table XXVI.3**

| WASTEXT | CONEXT_ROUTE_CD = 3  |
|         | CONEXT_USE_CD = WP  |
|         | CONEXT_WRAP_STAT_CD = 1  |

| CONLOC | CONLOC_DT = system date  |
|        | CONLOC_LOCN_ID = INFDCVYRW  |

### Data after scanning at lift table 202A

**Table XXVI.4**

| (S)WASTE | (S)CON_PKG_STATUS = U  |
| (S)CONREL | deleted ('M' code)  |
| WASTE | CON_PKG_STATUS = U  |
| CONREL | deleted ('M' code)  |
| CONLOC | CONLOC_DT = system date  |
|        | CONLOC_LOCN_ID = LLW_ENTRY  |
**ATTACHMENT 6 - DATA TABLES**

<table>
<thead>
<tr>
<th>OTP-CRL-PO-004 85 gal overpack drum for LLW processing (202A) and routing to airlock conveyor</th>
</tr>
</thead>
<tbody>
<tr>
<td>At discharge weight scale</td>
</tr>
<tr>
<td>Table XXVI.5 (Not used)</td>
</tr>
<tr>
<td>Data after drum shipped</td>
</tr>
<tr>
<td>Table XXVI.6</td>
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<tr>
<td>END</td>
</tr>
</tbody>
</table>
### Table XXVII - Data description for OTP-CRT-PI-001

<table>
<thead>
<tr>
<th>Column 1</th>
<th>Column 2</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Initial SWITS Data (SCRIPT)</strong></td>
<td><strong>(S)WASTE</strong>&lt;br&gt;(S)CON_PKG_ID = OTP-CRT-PI-001&lt;br&gt;(S)CON_CNTYP_CD = DM&lt;br&gt;(S)CON_LOCN_FACIL_ID = 2401W&lt;br&gt;(S)CON_PKG_STATUS = A&lt;br&gt;(S)CON_PWTTY_CD = R&lt;br&gt;(S)CON_SIZE_DESCR = 55 GALLON&lt;br&gt;(S)CON_GROSS_WGT = 100&lt;br&gt;(S)CON_SRC_FACIL_ID = 202A&lt;br&gt;(S)CON_TARE_WGT = 21</td>
</tr>
<tr>
<td><strong>Table XXVII.1</strong></td>
<td><strong>(S)RADDETAIL</strong>&lt;br&gt;(S)RDET_PKG_ID = OTP-CRT-PI-001&lt;br&gt;(S)RDET_ASSAY_DT = system date&lt;br&gt;(S)RDET_SWTYP_GROUP = TRU&lt;br&gt;(S)RDET_BG_DOSERATE = 10&lt;br&gt;(S)RDET_TOT_BG_CI = 10&lt;br&gt;(S)RDET_TOT_DE_CI = 50&lt;br&gt;(S)RDET_TOT_PU_FGE = 5&lt;br&gt;(S)RDET_WASTE_MAKEUP = X</td>
</tr>
<tr>
<td><strong>(S)ISOQTY</strong></td>
<td><strong>(S)WASTE</strong>&lt;br&gt;(S)RAD_PKG_ID = OTP-CRT-PI-001&lt;br&gt;(S)RAD_ISO_NUM = 3&lt;br&gt;(S)RAD_QTY = 1.0 E-6</td>
</tr>
<tr>
<td></td>
<td><strong>(S)RAD_PKG_ID = OTP-CRT-PI-001&lt;br&gt;(S)RAD_ISO_NUM = 8&lt;br&gt;(S)RAD_QTY = 2.0 E-6</strong></td>
</tr>
<tr>
<td></td>
<td><strong>(S)RAD_PKG_ID = OTP-CRT-PI-001&lt;br&gt;(S)RAD_ISO_NUM = 26&lt;br&gt;(S)RAD_QTY = 3.0 E-6</strong></td>
</tr>
<tr>
<td></td>
<td><strong>(S)RAD_PKG_ID = OTP-CRT-PI-001&lt;br&gt;(S)RAD_ISO_NUM = 13&lt;br&gt;(S)RAD_QTY = 4.0 E-6</strong></td>
</tr>
<tr>
<td></td>
<td><strong>(S)RAD_PKG_ID = OTP-CRT-PI-001&lt;br&gt;(S)RAD_ISO_NUM = 100&lt;br&gt;(S)RAD_QTY = 5.0</strong></td>
</tr>
<tr>
<td><strong>Data after receipt</strong></td>
<td><strong>(S)WASTE</strong>&lt;br&gt;(S)CON_LOCN_FACIL_ID = 2336W</td>
</tr>
</tbody>
</table>

Table XXVII 2
### \textit{WRAP I}

\textbf{Integrated Engineering Cold Run Test - Balance of Plant}

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#### ATTACHMENT 6 - DATA TABLES

<table>
<thead>
<tr>
<th>OTP-CRT-PI-001</th>
<th>55 gal TRU drum for processing (202B)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>WASTE</strong></td>
<td></td>
</tr>
<tr>
<td>CON_PKG_ID</td>
<td>OTP-CRT-PI-001</td>
</tr>
<tr>
<td>CON_CNTYP_CD</td>
<td>DM</td>
</tr>
<tr>
<td>CON_LOCN_FACIL_ID</td>
<td>2336W</td>
</tr>
<tr>
<td>CON_PKG_STATUS</td>
<td>A</td>
</tr>
<tr>
<td>CON_PWTYPE_CD</td>
<td>R</td>
</tr>
<tr>
<td>CON_SIZE_DESCR</td>
<td>55 GALLON</td>
</tr>
<tr>
<td>CON_GROSS_WGT</td>
<td>100</td>
</tr>
<tr>
<td>CON_SRCE_FACIL_ID</td>
<td>202A</td>
</tr>
<tr>
<td>CON_TARE_WGT</td>
<td>21</td>
</tr>
<tr>
<td><strong>WASTEXT</strong></td>
<td></td>
</tr>
<tr>
<td>CONEXT_PKG_ID</td>
<td>OTP-CRT-PI-001</td>
</tr>
<tr>
<td>CONEXT_USE_CD</td>
<td>WV</td>
</tr>
<tr>
<td>CONEXT_WRAP_STAT_CD</td>
<td>W</td>
</tr>
<tr>
<td>CONEXT_ROUTE_CD</td>
<td>9</td>
</tr>
<tr>
<td><strong>RADDetail</strong></td>
<td></td>
</tr>
<tr>
<td>RDET_PKG_ID</td>
<td>OTP-CRT-PI-001</td>
</tr>
<tr>
<td>RDET_ASSAY_DT</td>
<td>system date</td>
</tr>
<tr>
<td>RDET_SWTYP_GROUP</td>
<td>TRU</td>
</tr>
<tr>
<td>RDET_BG_DOSE_RATE</td>
<td>10</td>
</tr>
<tr>
<td>RDET_TOT_BG_CI</td>
<td>10</td>
</tr>
<tr>
<td>RDET_TOT_DE_CI</td>
<td>50</td>
</tr>
<tr>
<td>RDET_TOT_PU_FGE</td>
<td>5</td>
</tr>
<tr>
<td>RDET_WASTE_MAKEUP</td>
<td>X</td>
</tr>
<tr>
<td><strong>ISOQTY</strong></td>
<td></td>
</tr>
<tr>
<td>RAD_PKG_ID</td>
<td>OTP-CRT-PI-001</td>
</tr>
<tr>
<td>RAD_ISO_NUM</td>
<td>3</td>
</tr>
<tr>
<td>RAD_QTY</td>
<td>1.0 E-6</td>
</tr>
<tr>
<td>RAD_PKG_ID</td>
<td>OTP-CRT-PI-001</td>
</tr>
<tr>
<td>RAD_ISO_NUM</td>
<td>8</td>
</tr>
<tr>
<td>RAD_QTY</td>
<td>2.0 E-6</td>
</tr>
<tr>
<td>RAD_PKG_ID</td>
<td>OTP-CRT-PI-001</td>
</tr>
<tr>
<td>RAD_ISO_NUM</td>
<td>26</td>
</tr>
<tr>
<td>RAD_QTY</td>
<td>3.0 E-6</td>
</tr>
<tr>
<td>RAD_PKG_ID</td>
<td>OTP-CRT-PI-001</td>
</tr>
<tr>
<td>RAD_ISO_NUM</td>
<td>13</td>
</tr>
<tr>
<td>RAD_QTY</td>
<td>4.0 E-6</td>
</tr>
<tr>
<td>RAD_PKG_ID</td>
<td>OTP-CRT-PI-001</td>
</tr>
<tr>
<td>RAD_ISO_NUM</td>
<td>100</td>
</tr>
<tr>
<td>RAD_QTY</td>
<td>5.0</td>
</tr>
<tr>
<td><strong>At Infeed Conveyor Scale</strong></td>
<td><strong>WASTE</strong></td>
</tr>
<tr>
<td>CON_SAMPLE_FLAG</td>
<td>TBD</td>
</tr>
</tbody>
</table>

Table XXVII.3
## ATTACHMENT 6 - DATA TABLES

### OTP-CRT-PI-001 55 gal TRU drum for processing (202B)

<table>
<thead>
<tr>
<th>WASTEXT</th>
<th>CONEXT_COMPLIANT_FLAG = TBD</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>CONEXT_PROF_ID = TBD</td>
</tr>
<tr>
<td></td>
<td>CONEXT_PROF_FLAG = TBD</td>
</tr>
<tr>
<td></td>
<td>CONEXT_USE_CD = WP</td>
</tr>
<tr>
<td></td>
<td>CONEXT_VER_GROSS_WGT = measured value - 21</td>
</tr>
<tr>
<td></td>
<td>CONEXT_VER_GROSS_WGT_FLAG = N</td>
</tr>
<tr>
<td></td>
<td>CONEXT_WRAP_STAT_CD = I</td>
</tr>
</tbody>
</table>

### At TRU Entry Glovebox

<table>
<thead>
<tr>
<th>WASTE</th>
<th>CON_PKG_STATUS = R</th>
</tr>
</thead>
</table>

Table XXVII.4

### At TRU Entry Glovebox

<table>
<thead>
<tr>
<th>WASTEXT</th>
<th>CONEXT_RADMAT_ID = T</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>CONEXT_TOT_PU_FGE = value entered on 202 screen</td>
</tr>
</tbody>
</table>

NDE

As entered by radiographer

NDA

As returned from SIE

NDAISO

As returned from SIE

CONLOC

CONLOC\_PKG\_ID = OTP-CRT-PI-001

CONLOC\_DT = system date

CONLOC\_LOCN\_ID = TRU\_ENTRY

### Drum data after puck or removed waste shipped

<table>
<thead>
<tr>
<th>(S)WASTE</th>
<th>(S)CON_LOCN_FACIL_ID = null</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>(S)CON_PKG_STATUS = R</td>
</tr>
</tbody>
</table>

Table XXVII.5

END
Table XXVIII - Data description for OTP-CRT-PO-001

<table>
<thead>
<tr>
<th>Description</th>
<th>Data</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Initial SWITS Data (SCRIPT)</td>
<td>OTP-CRT-PO-001</td>
<td>85 gal overpack drum for TRU processing (202B) and routed to LLW exit (202C)</td>
</tr>
<tr>
<td>(S)WASTE</td>
<td>CON_PKG_ID = OTP-CRT-PO-001, CON_CNTYP_CD = DM, CON_LOCN_FACIL_ID = 2401W, CON_PKG_STATUS = M, CON_SIZE_DESCR = 85 GALLON, CON_TARE_WGT = 31</td>
<td></td>
</tr>
<tr>
<td>(S)CONREL</td>
<td>CONR_FROM_PKG_ID = OTP-CRT-PI-001, CONR_TO_PKG_ID = OTP-CRT-PO-001, CONR_DT = system date, CONR_REL_CD = M</td>
<td></td>
</tr>
<tr>
<td>Data after receipt</td>
<td>OTP-CRT-PO-001</td>
<td>85 gal overpack drum for TRU processing (202B) and routed to LLW exit (202C)</td>
</tr>
<tr>
<td>(S)WASTE</td>
<td>CON_PKG_ID = OTP-CRT-PO-001, CON_CNTYP_CD = DM, CON_LOCN_FACIL_ID = 2336W, CON_PKG_STATUS = M, CON_SIZE_DESCR = 85 GALLON, CON_TARE_WGT = 31</td>
<td></td>
</tr>
<tr>
<td>WASTE</td>
<td>CON_PKG_ID = OTP-CRT-PO-001, CON_CNTYP_CD = DM, CON_LOCN_FACIL_ID = 2336W, CON_PKG_STATUS = M, CON_SIZE_DESCR = 85 GALLON, CON_TARE_WGT = 31</td>
<td></td>
</tr>
<tr>
<td>WASTEXT</td>
<td>CONEXT_PKG_ID = OTP-CRT-PO-001, CONEXT_USE_CD = &quot;W&quot;, CONEXT_WRAP_STAT_CD = W, CONEXT_ROUTE_CD = 9</td>
<td></td>
</tr>
<tr>
<td>RADMAT</td>
<td>RADMAT_ID = F, RADMAT_ALARM = F, RADMAT_RAD_TOT = 214</td>
<td></td>
</tr>
<tr>
<td>(After receiving 4 LLW drums with total DE Ci of 4 and 4 TRU drums with total DE Ci of 200)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CONLOC</td>
<td>CONLOC_PKG_ID = OTP-CRT-PO-001, CONLOC_DT = system date, CONLOC_LOCN_ID = RECDCK</td>
<td></td>
</tr>
<tr>
<td>CONREL</td>
<td>CONR_FROM_PKG_ID = OTP-CRT-PI-001, CONR_TO_PKG_ID = OTP-CRT-PO-001, CONR_DT = system date, CONR_REL_CD = M</td>
<td></td>
</tr>
</tbody>
</table>
## ATTACHMENT 6 - DATA TABLES

<table>
<thead>
<tr>
<th>OTP-CRT-PO-001</th>
<th>85 gal overpack drum for TRU processing (202B) and routed to LLW exit (202C)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>At Infeed Conveyor weight scale</strong></td>
<td><strong>Table XXVIII.3</strong></td>
</tr>
</tbody>
</table>
| WASTEXT | CONEXT_ROUTE_CD = 2  
| | CONEXT_USE_CD = WP  
| | CONEXT_WRAP_STAT_CD = I  |
| CONLOC | CONLOC_DT = system date  
| | CONLOC_LOCN_ID = INFDCVYRW  |
| **Data after scanning at lift table 202B** | **Table XXVIII.4** |
| (S)WASTE | (S)CON_PKG_STATUS = U  
| (S)CONREL | deleted ('M' code)  |
| WASTE | CON_PKG_STATUS = U  
| CONREL | deleted ('M' code)  |
| **Data after scanning at lift table 202C** | **Table XXIV.5** |
| WASTEXT | CONEXT_USE_CD = PD  
| | RADDDETAIL | RDET_SWTYP_GROUP = LLW  
| CONLOC | CONLOC_DT = system date  
| | CONLOC_LOCN_ID = LLW_EXIT  |
## Table XXIX - Data description for OTP-CRT-PI-002

<table>
<thead>
<tr>
<th>OTP-CRT-PI-002</th>
<th>55 gal TRU drum for processing (202B)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Initial SWITS Data (SCRIPT)</strong></td>
<td><strong>(S)WASTE</strong></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

| | **(S)RADDETAIL** | *(S)RDET_PKG_ID = OTP-CRT-PI-002* |
| | | *(S)RDET_ASSAY_DT = system date* |
| | | *(S)RDET_SWTYP_GROUP = TRU* |
| | | *(S)RDET_BG_DOSE_RATE = 10* |
| | | *(S)RDET_TOT_BG_CI = 10* |
| | | *(S)RDET_TOT_DE_CI = 50* |
| | | *(S)RDET_TOT_PU_FGE = 5* |
| | | *(S)RDET_WASTE_MAKEUP = X* |

| | **(S)ISOQTY** | *(S)RAD_PKG_ID = OTP-CRT-PI-002* |
| | | *(S)RAD_ISO_NUM = 3* |
| | | *(S)RAD_QTY = 1.0 E-6* |

| | *(S)RAD_PKG_ID = OTP-CRT-PI-002* |
| | | *(S)RAD_ISO_NUM = 8* |
| | | *(S)RAD_QTY = 2.0 E-6* |

| | *(S)RAD_PKG_ID = OTP-CRT-PI-002* |
| | | *(S)RAD_ISO_NUM = 26* |
| | | *(S)RAD_QTY = 3.0 E-6* |

| | *(S)RAD_PKG_ID = OTP-CRT-PI-002* |
| | | *(S)RAD_ISO_NUM = 13* |
| | | *(S)RAD_QTY = 4.0 E-6* |

| | *(S)RAD_PKG_ID = OTP-CRT-PI-002* |
| | | *(S)RAD_ISO_NUM = 100* |
| | | *(S)RAD_QTY = 5.0* |

| **Data after receipt** | **(S)WASTE** | *(S)CON_LOCN_FACIL_ID = 2336W* |

---

*Note: The table represents data for a specific item, OTP-CRT-PI-002, related to the Hanford Nuclear Facility's Integrated Engineering Cold Run Test - Balance of Plant.*

---

*Please ensure all radioactive waste is handled in accordance with ALARA (As Low As Reasonably Achievable) principles.*
### Table XXIX.3

**At Infeed Conveyor Scale**

**Table**

<table>
<thead>
<tr>
<th><strong>WASTE</strong></th>
<th><strong>CON_PKG_ID = OTP-CRT-PI-002</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>CON_CNTYP_CD = DM</strong></td>
<td></td>
</tr>
<tr>
<td><strong>CON_LOCN_FACIL_ID = 2336W</strong></td>
<td></td>
</tr>
<tr>
<td><strong>CON_PKG_STATUS = A</strong></td>
<td></td>
</tr>
<tr>
<td><strong>CON_PWNTYP_CD = R</strong></td>
<td></td>
</tr>
<tr>
<td><strong>CON_SIZE_DESCR = 55 GALLON</strong></td>
<td></td>
</tr>
<tr>
<td><strong>CON_GROSS_WGT = 100</strong></td>
<td></td>
</tr>
<tr>
<td><strong>CON_SRCE_FACIL_ID = 202A</strong></td>
<td></td>
</tr>
<tr>
<td><strong>CON_TARE_WGT = 21</strong></td>
<td></td>
</tr>
<tr>
<td><strong>WASTEXT</strong></td>
<td><strong>CONEXT_PKG_ID = OTP-CRT-PI-002</strong></td>
</tr>
<tr>
<td></td>
<td><strong>CONEXT_USE_CD = WV</strong></td>
</tr>
<tr>
<td></td>
<td><strong>CONEXT_WRAP_STAT_CD = W</strong></td>
</tr>
<tr>
<td></td>
<td><strong>CONEXT_ROUTE_CD = 9</strong></td>
</tr>
<tr>
<td><strong>RADDetail</strong></td>
<td><strong>RDET_PKG_ID = OTP-CRT-PI-002</strong></td>
</tr>
<tr>
<td></td>
<td><strong>RDET_ASSAY_DT = system date</strong></td>
</tr>
<tr>
<td></td>
<td><strong>RDET_SWTYP_GROUP = TRU</strong></td>
</tr>
<tr>
<td></td>
<td><strong>RDET_BG_DOSE_RATE = 10</strong></td>
</tr>
<tr>
<td></td>
<td><strong>RDET_TOT_BG_CI = 10</strong></td>
</tr>
<tr>
<td></td>
<td><strong>RDET_TOT_DE_CI = 50</strong></td>
</tr>
<tr>
<td></td>
<td><strong>RDET_TOT_PU_FGE = 5</strong></td>
</tr>
<tr>
<td></td>
<td><strong>RDET_WASTE_MAKEUP = X</strong></td>
</tr>
<tr>
<td><strong>ISOQTY</strong></td>
<td><strong>RAD_PKG_ID = OTP-CRT-PI-002</strong></td>
</tr>
<tr>
<td></td>
<td><strong>RAD_ISO_NUM = 3</strong></td>
</tr>
<tr>
<td></td>
<td><strong>RAD_QTY = 1.0 E-6</strong></td>
</tr>
<tr>
<td></td>
<td><strong>RAD_PKG_ID = OTP-CRT-PI-002</strong></td>
</tr>
<tr>
<td></td>
<td><strong>RAD_ISO_NUM = 8</strong></td>
</tr>
<tr>
<td></td>
<td><strong>RAD_QTY = 2.0 E-6</strong></td>
</tr>
<tr>
<td></td>
<td><strong>RAD_PKG_ID = OTP-CRT-PI-002</strong></td>
</tr>
<tr>
<td></td>
<td><strong>RAD_ISO_NUM = 26</strong></td>
</tr>
<tr>
<td></td>
<td><strong>RAD_QTY = 3.0 E-6</strong></td>
</tr>
<tr>
<td></td>
<td><strong>RAD_PKG_ID = OTP-CRT-PI-002</strong></td>
</tr>
<tr>
<td></td>
<td><strong>RAD_ISO_NUM = 13</strong></td>
</tr>
<tr>
<td></td>
<td><strong>RAD_QTY = 4.0 E-6</strong></td>
</tr>
<tr>
<td></td>
<td><strong>RAD_PKG_ID = OTP-CRT-PI-002</strong></td>
</tr>
<tr>
<td></td>
<td><strong>RAD_ISO_NUM = 100</strong></td>
</tr>
<tr>
<td></td>
<td><strong>RAD_QTY = 5.0</strong></td>
</tr>
</tbody>
</table>

---

**Table**

<table>
<thead>
<tr>
<th><strong>WASTE</strong></th>
<th><strong>CON_SAMPLE_FLAG = TBD</strong></th>
</tr>
</thead>
</table>
**ATTACHMENT 6 - DATA TABLES**

**OTP-CRT-PI-002  55 gal TRU drum for processing (202B)**

| WASTEXT | CONEXT_COMPLIANT_FLAG = TBD  
| CONEXT_PROF_ID = TBD  
| CONEXT_PROF_FLAG = TBD  
| CONEXT_USE_CD = WP  
| CONEXT_VER_GROSS_WGT = measured  
| value = 21  
| CONEXT_VER_GROSS_WGT_FLAG = N  
| CONEXT_WRAP_STAT_CD = I  

**At TRU Entry Glovebox**

**Table XXIX.4**

| WASTE | CON_PKG_STATUS = R  

**Table XXIX.4**

| WASTEXT | CONEXT_RADMAT_ID = T  
| CONEXT_TOT_PU_FGE = value entered on 202 screen  

| NDE | As entered by radiographer  
| NDA | As returned from SIE  
| NDAISO | As returned from SIE  

| CONLOC | CONLOC_PKG_ID = OTP-CRT-PI-002  
| CONLOC_DT = system date  
| CONLOC_LOCN_ID = TRU_ENTRY  

**Drum data after puck or removed waste shipped**

**Table XXIX.5**

| (S)WASTE | (S)CON_LOCN_FACIL_ID = null  
| (S)CON_PKG_STATUS = R  

**END**
### ATTACHMENT 6 - DATA TABLES

#### Table XXX - Data description for OTP-CRT-PO-002

| Initial SWITS Data (SCRIPT) | (S)WASTE | (S)CON_PKG_ID = OTP-CRT-PO-002  
(S)CON_CNTYP_CD = DM  
(S)CON_LOCN_FACIL_ID = 2401W  
(S)CON_PKG_STATUS = M  
(S)CON_SIZE_DESCR = 85 GALLON  
(S)CON_TARE_WGT = 31  
(S)CONREL | (S)CONR_FROM_PKG_ID = OTP-CRT-PI-002  
(S)CONR_TO_PKG_ID = OTP-CRT-PO-002  
(S)CONR_DT = system date  
(S)CONR_REL_CD = M |
| --- | --- | --- | --- |
| Table XXX.1 | (S)WASTE | WASTE | CON_PKG_ID = OTP-CRT-PO-002  
CON_CNTYP_CD = DM  
CON_LOCN_FACIL_ID = 2336W  
CON_PKG_STATUS = M  
CON_SIZE_DESCR = 85 GALLON  
CON_TARE_WGT = 31 |
|  |  | WASTEXT | CONEXT_PKG_ID = OTP-CRT-PO-002  
CONEXT_USE_CD = W
|  |  |  | CONEXT_WRAP_STAT_CD = W
|  |  |  | CONEXT_ROUTE_CD = 9  
|  |  | RADMAT | for RADMAT_ID = .F  
RADMAT_ALARM = F  
RADMAT_RAD_TOT = 214  
(After receiving 4 LLW drums with total DE Ci of 4 and 4 TRU drums with total DE Ci of 200)  
|  |  | CONLOC | CONLOC_PKG_ID = OTP-CRT-PO-002  
CONLOC_DT = system date  
CONLOC_LOCN_ID = RECDCK  
|  |  | CONREL | CONR_FROM_PKG_ID = OTP-CRT-PI-002  
CONR_TO_PKG_ID = OTP-CRT-PO-002  
CONR_DT = system date  
CONR_REL_CD = M |
### ATTACHMENT 6 - DATA TABLES

<table>
<thead>
<tr>
<th>Table</th>
<th>Data Description</th>
<th>WASTEXT</th>
<th>CONEXT_ROUTE_CD</th>
<th>CONEXT_USE_CD</th>
<th>CONEXT.WRAP_STAT_CD</th>
</tr>
</thead>
<tbody>
<tr>
<td>XXX.3</td>
<td>At Infeed Conveyor weight scale</td>
<td></td>
<td>2</td>
<td>WP</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CONLOC</td>
<td>CONLOC_DT</td>
<td>CONLOC_LOCN_ID</td>
<td>INFDCVYRW</td>
</tr>
<tr>
<td></td>
<td>Data after scanning at lift table 202B</td>
<td>(S)WASTE</td>
<td>(S)PKG_STATUS</td>
<td></td>
<td>U</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(S)CONREL</td>
<td>deleted ('M' code)</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Data after scanning at lift table 201D</td>
<td>WASTEXT</td>
<td>CONEXT_USE_CD</td>
<td></td>
<td>PD</td>
</tr>
<tr>
<td></td>
<td></td>
<td>RADDDETAIL</td>
<td>RDET_SWTYP_GROUP</td>
<td>LLW</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>CONLOC</td>
<td>CONLOC_DT</td>
<td>CONLOC_LOCN_ID</td>
<td>LLWRWX</td>
</tr>
</tbody>
</table>

### Table XXX.4
<table>
<thead>
<tr>
<th>WASTE</th>
<th>CON_PKG_STATUS</th>
<th>U</th>
</tr>
</thead>
<tbody>
<tr>
<td>CONREL</td>
<td>deleted ('M' code)</td>
<td></td>
</tr>
<tr>
<td>CONLOC</td>
<td>CONLOC_DT</td>
<td>system date</td>
</tr>
<tr>
<td></td>
<td>CONLOC_LOCN_ID</td>
<td>INFDCVYRW</td>
</tr>
</tbody>
</table>

### Table XXX.5
<table>
<thead>
<tr>
<th>WASTEXT</th>
<th>CONEXT_USE_CD</th>
<th>PD</th>
</tr>
</thead>
<tbody>
<tr>
<td>RADDDETAIL</td>
<td>RDET_SWTYP_GROUP</td>
<td>LLW</td>
</tr>
<tr>
<td>CONLOC</td>
<td>CONLOC_DT</td>
<td>system date</td>
</tr>
<tr>
<td></td>
<td>CONLOC_LOCN_ID</td>
<td>LLWRWX</td>
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</tbody>
</table>

## END
## ATTACHMENT 6 - DATA TABLES

### Table XXXI - Data description for OTP-CRT-PI-003

<table>
<thead>
<tr>
<th>Initial SWITS Data (SCRIPT)</th>
<th>(S)WASTE</th>
<th>(S)RADDetail</th>
<th>(S)ISOQTY</th>
</tr>
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<tbody>
<tr>
<td>Table XXXI.1</td>
<td>(S)PKG_ID = OTP-CRT-PI-003</td>
<td>(S)PKG_ID = OTP-CRT-PI-003</td>
<td>(S)PKG_ID = OTP-CRT-PI-003</td>
</tr>
<tr>
<td></td>
<td>(S)CNTYP_CD = DM</td>
<td>(S)ASSAY_DT = system date</td>
<td>(S)ISO_NUM = 3</td>
</tr>
<tr>
<td></td>
<td>(S)LOCN_FACIL_ID = 2401W</td>
<td></td>
<td>(S)ISO_NUM = 8</td>
</tr>
<tr>
<td></td>
<td>(S)PKG_STATUS = A</td>
<td></td>
<td>(S)QTY = 2.0 E-6</td>
</tr>
<tr>
<td></td>
<td>(S)PWTYP_CD = R</td>
<td></td>
<td>(S)PKG_ID = OTP-CRT-PI-003</td>
</tr>
<tr>
<td></td>
<td>(S)SIZE_DESCR = 55 GALLON</td>
<td>(S)ISO_NUM = 28</td>
<td>(S)QTY = 3.0 E-6</td>
</tr>
<tr>
<td></td>
<td>(S)GROSS_WGT = 100</td>
<td>(S)PKG_ID = OTP-CRT-PI-003</td>
<td>(S)ISO_NUM = 13</td>
</tr>
<tr>
<td></td>
<td>(S)SRCE_FACIL_ID = 202A</td>
<td>(S)PKG_ID = OTP-CRT-PI-003</td>
<td>(S)QTY = 4.0 E-6</td>
</tr>
<tr>
<td></td>
<td>(S)TARE_WGT = 21</td>
<td>(S)PKG_ID = OTP-CRT-PI-003</td>
<td>(S)ISO_NUM = 100</td>
</tr>
<tr>
<td></td>
<td>(S)RDET_PKG_ID = OTP-CRT-PI-003</td>
<td>(S)PKG_ID = OTP-CRT-PI-003</td>
<td>(S)QTY = 5.0</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Data after receipt</th>
<th>(S)WASTE</th>
<th>(S)RDET_PKG_ID = OTP-CRT-PI-003</th>
</tr>
</thead>
<tbody>
<tr>
<td>Table XXXI.2</td>
<td>(S)PKG_ID = OTP-CRT-PI-003</td>
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</tr>
<tr>
<td></td>
<td>(S)ISO_NUM = 3</td>
<td></td>
</tr>
<tr>
<td></td>
<td>(S)QTY = 1.0 E-6</td>
<td></td>
</tr>
<tr>
<td></td>
<td>(S)PKG_ID = OTP-CRT-PI-003</td>
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</tr>
<tr>
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<td>(S)ISO_NUM = 8</td>
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<td></td>
<td>(S)QTY = 2.0 E-6</td>
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<td>(S)PKG_ID = OTP-CRT-PI-003</td>
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<tr>
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<td>(S)ISO_NUM = 28</td>
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</tr>
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<td></td>
<td>(S)QTY = 3.0 E-6</td>
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<td></td>
<td>(S)PKG_ID = OTP-CRT-PI-003</td>
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<td></td>
<td>(S)ISO_NUM = 13</td>
<td></td>
</tr>
<tr>
<td></td>
<td>(S)QTY = 4.0 E-6</td>
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<td></td>
<td>(S)PKG_ID = OTP-CRT-PI-003</td>
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</tr>
<tr>
<td></td>
<td>(S)ISO_NUM = 100</td>
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<td></td>
<td>(S)QTY = 5.0</td>
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# ATTACHMENT 6 - DATA TABLES

<table>
<thead>
<tr>
<th>OTP-CRT-PI-003</th>
<th>55 gal TRU drum for processing (202B)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>WASTE</strong></td>
<td></td>
</tr>
<tr>
<td>CON_PKG_ID</td>
<td>OTP-CRT-PI-003</td>
</tr>
<tr>
<td>CON_CNTYP_CD</td>
<td>DM</td>
</tr>
<tr>
<td>CON_LOCN_FACIL_ID</td>
<td>2336W</td>
</tr>
<tr>
<td>CON_PKG_STATUS</td>
<td>A</td>
</tr>
<tr>
<td>CON_PWWTYP_CD</td>
<td>R</td>
</tr>
<tr>
<td>CON_SIZE_DESCR</td>
<td>55 GALLON</td>
</tr>
<tr>
<td>CON_GROSS_WGT</td>
<td>100</td>
</tr>
<tr>
<td>CON_SRCE_FACIL_ID</td>
<td>202A</td>
</tr>
<tr>
<td>CON_TARE_WGT</td>
<td>21</td>
</tr>
<tr>
<td><strong>WASTEXT</strong></td>
<td></td>
</tr>
<tr>
<td>CONEXT_PKG_ID</td>
<td>OTP-CRT-PI-003</td>
</tr>
<tr>
<td>CONEXT_USE_CD</td>
<td>WV</td>
</tr>
<tr>
<td>CONEXT_WRAP_STAT_CD</td>
<td>W</td>
</tr>
<tr>
<td>CONEXT_ROUTE_CD</td>
<td>9</td>
</tr>
<tr>
<td><strong>RADDDETAIL</strong></td>
<td></td>
</tr>
<tr>
<td>RDET_PKG_ID</td>
<td>OTP-CRT-PI-003</td>
</tr>
<tr>
<td>RDET_ASSAY_DT</td>
<td>system date</td>
</tr>
<tr>
<td>RDET_SWTYP_GROUP</td>
<td>TRU</td>
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<tr>
<td>RDET_BG_DOSE_RATE</td>
<td>10</td>
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<td>RDET_TOT_BG_CI</td>
<td>10</td>
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<td>RDET_TOT_DE_CI</td>
<td>50</td>
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<tr>
<td>RDET_TOT_PU_FGE</td>
<td>5</td>
</tr>
<tr>
<td>RDET_WASTE_MAKEUP</td>
<td>X</td>
</tr>
<tr>
<td><strong>ISOQTY</strong></td>
<td></td>
</tr>
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<td>RAD_PKG_ID</td>
<td>OTP-CRT-PI-003</td>
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<tr>
<td>RAD_QTY</td>
<td>1.0 E-6</td>
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<tr>
<td>RAD_PKG_ID</td>
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<td>RAD_ISO_NUM</td>
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<tr>
<td>RAD_QTY</td>
<td>2.0 E-6</td>
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<td>RAD_PKG_ID</td>
<td>OTP-CRT-PI-003</td>
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<td>RAD_ISO_NUM</td>
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<tr>
<td>RAD_QTY</td>
<td>3.0 E-6</td>
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<td>RAD_PKG_ID</td>
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<tr>
<td>RAD_ISO_NUM</td>
<td>13</td>
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<tr>
<td>RAD_QTY</td>
<td>4.0 E-6</td>
</tr>
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<td>RAD_ISO_NUM</td>
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<tr>
<td>RAD_QTY</td>
<td>5.0</td>
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<tr>
<td><strong>At Infeed Conveyor Scale</strong></td>
<td></td>
</tr>
<tr>
<td><strong>WASTE</strong></td>
<td>CON_SAMPLE_FLAG = TBD</td>
</tr>
</tbody>
</table>

Table XXIX.3

---

**THINK ALARA IN ALL WE DO**
### ATTACHMENT 6 - DATA TABLES

**OTP-CRT-PI-003  55 gal TRU drum for processing (202B)**

| WASTEXT | CONTEXT_COMPLIANT_FLAG = TBD  
| CONTEXT_PROF_ID = TBD  
| CONTEXT_PROF_FLAG = TBD  
| CONTEXT_USE_CD = WP  
| CONCONTEXT_VER_GROSS_WGT = measured value - 21  
| CONCONTEXT_VER_GROSS_WGT_FLAG = N  
| CONCONTEXT_WRAP_STAT_CD = I  |

#### At TRU Entry Glovebox

**WASTE**  
CON_PKG_STATUS = R

**WASTEXT**  
CONTEXT_RADMAT_ID = T  
CONTEXT_TOT_PU_FGE = value entered on 202 screen

| NDE | As entered by radiographer |
| NDA | As returned from SIE |
| NDAISO | As returned from SIE |
| CONLOC | CONLOC_PKG_ID = OTP-CRT-PI-003  
| CONLOC_DT = system date  
| CONLOC_LOCN_ID = TRU_ENTRY  |

#### Drum data after puck or removed waste shipped

**WASTE**  
(S)CONLOC_PKG_ID = null  
(S)CONLOC_FACIL_ID = null  
(S)CON_PKG_STATUS = R

| END | |

---

**Table XXIX.4**

**Table XXIX.5**
ATTACHMENT 6 - DATA TABLES

Table XXXII - Data description for OTP-CRT-PO-003

<table>
<thead>
<tr>
<th>OTP-CRT-PO-003 85 gal overpack drum for TRU processing (202B) and routed to RWM BSC</th>
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</thead>
<tbody>
<tr>
<td><strong>Initial SWITS Data (SCRIPT)</strong></td>
</tr>
<tr>
<td>Table XXXII.1</td>
</tr>
<tr>
<td>(S)WASTE</td>
</tr>
<tr>
<td></td>
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<tr>
<td></td>
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<td></td>
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<tr>
<td></td>
</tr>
<tr>
<td>(S)CONREL</td>
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</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td><strong>Data after receipt</strong></td>
</tr>
<tr>
<td>Table XXXII.2</td>
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<tr>
<td>(S)WASTE</td>
</tr>
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<tr>
<td>WASTE</td>
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<td></td>
</tr>
<tr>
<td>WASTEXT</td>
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</tr>
<tr>
<td></td>
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<tr>
<td></td>
</tr>
<tr>
<td>RADMAT</td>
</tr>
<tr>
<td>(After receiving 4 LLW drums with total DE Ci of 4 and 4 TRU drums with total DE Ci of 200)</td>
</tr>
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<td></td>
</tr>
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<td></td>
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</tr>
</tbody>
</table>

THINK ALARA IN ALL WE DO
### ATTACHMENT 6 - DATA TABLES

**OTP-CRT-PO-003** 85 gal overpack drum for TRU processing (202B) and routed to RWM BSC

<table>
<thead>
<tr>
<th></th>
<th>CONLOC</th>
<th>CONLOC_PKG_ID = OTP-CRT-PO-003</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>CONLOC_DT = system date</td>
<td>CONLOC_LOCN_ID = RECDCK</td>
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<tr>
<td></td>
<td>CONREL</td>
<td>CONR_FROM_PKG_ID = OTP-CRT-PI-003</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CONR_TO_PKG_ID = OTP-CRT-PO-003</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CONR_DT = system date</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CONR_REL_CD = M</td>
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At Infeed Conveyor weight scale

Table XXXII.3

<table>
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<tr>
<th></th>
<th>WASTEXT</th>
<th>CONEXT_ROUTE_CD = 2</th>
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<tr>
<td></td>
<td></td>
<td>CONEXT_USE_CD = WP</td>
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<tr>
<td></td>
<td></td>
<td>CONEXT.WRAP_STAT_CD = I</td>
</tr>
<tr>
<td></td>
<td>CONLOC</td>
<td>CONLOC_DT = system date</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CONLOC_LOCN_ID = INFDCVYRW</td>
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Data after scanning at lift table 202B

Table XXXII.4

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<th>(S)CON_PKG_STATUS = U</th>
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</thead>
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<tr>
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<td>(S)CONREL</td>
<td>deleted ('M' code)</td>
</tr>
<tr>
<td></td>
<td>WASTE</td>
<td>CON_PKG_STATUS = U</td>
</tr>
<tr>
<td></td>
<td>CONREL</td>
<td>deleted ('M' code)</td>
</tr>
<tr>
<td></td>
<td>CONLOC</td>
<td>CONLOC_DT = system date</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CONLOC_LOCN_ID = TRU_ENTRY</td>
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At RWM BSC

Table XXXII.5

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<tr>
<td></td>
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<td>CONLOC_LOCN_ID = LLW_EXIT</td>
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ATTACHMENT 6 - DATA TABLES

Table XXXIII - Data description for OTP-CRT-PI-004

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<tr>
<th>Initial SWITS Data (SCRIPT)</th>
<th>(S)WASTE</th>
<th>(S)RADDetail</th>
<th>(S)ISOQTY</th>
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<tbody>
<tr>
<td>Table XXXIII.1</td>
<td>(S)WASTE</td>
<td>(S)RADDetail</td>
<td>(S)ISOQTY</td>
</tr>
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<td>(S)WASTE</td>
<td>(S)RADDetail</td>
<td>(S)ISOQTY</td>
</tr>
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<td>(S)WASTE</td>
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</tr>
<tr>
<td></td>
<td>(S)WASTE</td>
<td>(S)RADDetail</td>
<td>(S)ISOQTY</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>(S)WASTE</th>
<th>(S)RADDetail</th>
<th>(S)ISOQTY</th>
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</thead>
<tbody>
<tr>
<td>(S)WASTE</td>
<td>(S)RADDetail</td>
<td>(S)ISOQTY</td>
</tr>
<tr>
<td>(S)WASTE</td>
<td>(S)RADDetail</td>
<td>(S)ISOQTY</td>
</tr>
<tr>
<td>(S)WASTE</td>
<td>(S)RADDetail</td>
<td>(S)ISOQTY</td>
</tr>
<tr>
<td>(S)WASTE</td>
<td>(S)RADDetail</td>
<td>(S)ISOQTY</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Initial SWITS Data (SCRIPT)</th>
<th>(S)WASTE</th>
<th>(S)RADDetail</th>
<th>(S)ISOQTY</th>
</tr>
</thead>
<tbody>
<tr>
<td>Table XXXIII.1</td>
<td>(S)WASTE</td>
<td>(S)RADDetail</td>
<td>(S)ISOQTY</td>
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<tr>
<td></td>
<td>(S)WASTE</td>
<td>(S)RADDetail</td>
<td>(S)ISOQTY</td>
</tr>
<tr>
<td></td>
<td>(S)WASTE</td>
<td>(S)RADDetail</td>
<td>(S)ISOQTY</td>
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<td>(S)WASTE</td>
<td>(S)RADDetail</td>
<td>(S)ISOQTY</td>
</tr>
<tr>
<td></td>
<td>(S)WASTE</td>
<td>(S)RADDetail</td>
<td>(S)ISOQTY</td>
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<table>
<thead>
<tr>
<th>Initial SWITS Data (SCRIPT)</th>
<th>(S)WASTE</th>
<th>(S)RADDetail</th>
<th>(S)ISOQTY</th>
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<tbody>
<tr>
<td>Table XXXIII.1</td>
<td>(S)WASTE</td>
<td>(S)RADDetail</td>
<td>(S)ISOQTY</td>
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<td>(S)WASTE</td>
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<tr>
<td></td>
<td>(S)WASTE</td>
<td>(S)RADDetail</td>
<td>(S)ISOQTY</td>
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<table>
<thead>
<tr>
<th>Initial SWITS Data (SCRIPT)</th>
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<th>(S)RADDetail</th>
<th>(S)ISOQTY</th>
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<tbody>
<tr>
<td>Table XXXIII.1</td>
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<td>(S)RADDetail</td>
<td>(S)ISOQTY</td>
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</tr>
<tr>
<td></td>
<td>(S)WASTE</td>
<td>(S)RADDetail</td>
<td>(S)ISOQTY</td>
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</tbody>
</table>

Data after receipt

Table XXXIII.2
## ATTACHMENT 6 - DATA TABLES

### OTP-CRT-PI-004  55 gal TRU drum for processing (202B)

<table>
<thead>
<tr>
<th>Column</th>
<th>Details</th>
</tr>
</thead>
</table>
| WASTE        | CON_PKG_ID = OTP-CRT-PI-004  
                  CON_CNTYP_CD = DM  
                  CON_LOCN_FACIL_ID = 2336W  
                  CON_PKG_STATUS = A  
                  CON_PWTYP_CD = R  
                  CON_SIZE_DESCR = 55 GALLON  
                  CON_GROSS_WGT = 100  
                  CON_SRCE_FACIL_ID = 202A  
                  CON_TARE_WGT = 21 |
| WASTEXT      | CONEXT_PKG_ID = OTP-CRT-PI-004  
                  CONEXT_USE_CD = WP  
                  CONEXT_WRAP_STAT_CD = W  
                  CONEXT_ROUTE_CD = 9 |
| RADDETAIL    | RDET_PKG_ID = OTP-CRT-PI-004  
                  RDET_ASSAY_DT = system date  
                  RDET_SWTYP_GROUP = TRU  
                  RDET_BG_DOSE_RATE = 10  
                  RDET_TOT_BG_CI = 10  
                  RDET_TOT_DE_CI = 50  
                  RDET_TOT_PU_FGE = 5  
                  RDET_WASTE_MAKEUP = X |
| ISOQTY       | RAD_PKG_ID = OTP-CRT-PI-004  
                  RAD_ISO_NUM = 3  
                  RAD_QTY = 1.0 E-6 |
|              | RAD_PKG_ID = OTP-CRT-PI-004  
                  RAD_ISO_NUM = 8  
                  RAD_QTY = 2.0 E-6 |
|              | RAD_PKG_ID = OTP-CRT-PI-004  
                  RAD_ISO_NUM = 26  
                  RAD_QTY = 3.0 E-6 |
|              | RAD_PKG_ID = OTP-CRT-PI-004  
                  RAD_ISO_NUM = 13  
                  RAD_QTY = 4.0 E-6 |
|              | RAD_PKG_ID = OTP-CRT-PI-004  
                  RAD_ISO_NUM = 100  
                  RAD_QTY = 5.0 |

At Infeed Conveyor Scale

| WASTE        | CON_PKG_ID = OTP-CRT-PI-004  
                  CON_SAMPLE_FLAG = TBD |

Table XXIX.3
**ATTACHMENT 6 - DATA TABLES**

<table>
<thead>
<tr>
<th>OTP-CRT-PI-004</th>
<th>55 gal TRU drum for processing (202B)</th>
</tr>
</thead>
<tbody>
<tr>
<td>WASTEXT</td>
<td>CONEXT_COMPLIANT_FLAG = TBD</td>
</tr>
<tr>
<td></td>
<td>CONEXT_PROF_ID = TBD</td>
</tr>
<tr>
<td></td>
<td>CONEXT_PROF_FLAG = TBD</td>
</tr>
<tr>
<td></td>
<td>CONEXT_USE_CD = WP</td>
</tr>
<tr>
<td></td>
<td>CONEXT_VER_GROSS_WGT = measured</td>
</tr>
<tr>
<td></td>
<td>value - 21</td>
</tr>
<tr>
<td></td>
<td>CONEXT_VER_GROSS_WGT_FLAG = N</td>
</tr>
<tr>
<td></td>
<td>CONEXT_WRAP_STAT_CD = I</td>
</tr>
<tr>
<td>At TRU Entry Glovebox</td>
<td>WASTE</td>
</tr>
<tr>
<td>Table XXIX.4</td>
<td>WASTEXT</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>NDE</td>
</tr>
<tr>
<td></td>
<td>NDA</td>
</tr>
<tr>
<td></td>
<td>NDAISO</td>
</tr>
<tr>
<td></td>
<td>CONLOC</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>Drum data after puck or removed waste shipped</td>
<td>(S)WASTE</td>
</tr>
<tr>
<td>Table XXIX.5</td>
<td></td>
</tr>
<tr>
<td>END</td>
<td></td>
</tr>
</tbody>
</table>
## ATTACHMENT 6 - DATA TABLES

Table XXXIV - Data description for OTP-CRT-PO-004

<table>
<thead>
<tr>
<th>Initial SWITS Data (SCRIPT)</th>
<th>(S)WASTE</th>
<th>(S)CONPKG_ID = OTP-CRT-PO-004</th>
<th>(S)CON_CNTYP_CD = DM</th>
<th>(S)CON_LOCN_FACIL_ID = 2401W</th>
<th>(S)CON_PKG_STATUS = M</th>
<th>(S)CON_SIZE_DESCR = 85 GALLON</th>
<th>(S)CON_TARE_WGT = 31</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>(S)CONR_FROM_PKG_ID = OTP-CRT-PI-004</td>
<td></td>
<td>(S)CONR_TO_PKG_ID = OTP-CRT-PO-004</td>
<td>(S)CONR_DT = system date</td>
<td>(S)CONR_REL_CD = M</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Data after receipt</th>
<th>(S)WASTE</th>
<th>(S)CONLOCN_FACIL_ID = 2336W</th>
<th></th>
<th>WASTE</th>
<th>CON_PKG_ID = OTP-CRT-PO-004</th>
<th>CON_CNTYP_CD = DM</th>
<th>CON_LOCN_FACIL_ID = 2336W</th>
<th>CON_PKG_STATUS = M</th>
<th>CON_SIZE_DESCR = 85 GALLON</th>
<th>CON_TARE_WGT = 31</th>
</tr>
</thead>
<tbody>
<tr>
<td>WASTEXT</td>
<td></td>
<td>CONEXT_PKG_ID = OTP-CRT-PO-004</td>
<td>CONEXT_USE_CD = W 00</td>
<td>CONEXT_WRAP_STAT_CD = W 01198</td>
<td>CONEXT_ROUTE_CD = 9</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>RADMAT</th>
<th></th>
<th>RADMAT_ID = 1433</th>
<th>RADMAT_ALARM = 177</th>
<th>RADMAT_RAD_TOT = 214</th>
<th>RADMAT_UNITS = CI</th>
</tr>
</thead>
<tbody>
<tr>
<td>(After receiving 4 LLW drums with total DE Ci of 4 and 4 TRU drums with total DE Ci of 200)</td>
<td></td>
<td>RADMAT_ID = T</td>
<td>RADMAT_ALARM = F</td>
<td>RADMAT_RAD_TOT = 10</td>
<td>RADMAT_UNITS = FGE</td>
</tr>
<tr>
<td></td>
<td></td>
<td>RADMAT_ID = R</td>
<td>RADMAT_ALARM = F</td>
<td>RADMAT_RAD_TOT = 10</td>
<td>RADMAT_UNITS = FGE</td>
</tr>
</tbody>
</table>
**ATTACHMENT 6 - DATA TABLES**

<table>
<thead>
<tr>
<th>Description</th>
<th>Table</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>OTP-CRT-PO-004 85 gal overpack drum for TRU processing (202B) and routed to airlock conveyor</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CONLOC CONLOC_PKG_ID = OTP-CRT-PO-004 CONLOC_DT = system date CONLOC_LOCN_ID = RECDCK</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CONREL CONR_FROM_PKG_ID = OTP-CRT-PI-004 CONR_TO_PKG_ID = OTP-CRT-PO-004 CONR_DT = system date CONR_REL_CD = M</td>
<td></td>
<td></td>
</tr>
<tr>
<td>At Infeed Conveyor weight scale WASTEXT CONEXT_ROUTE_CD = 2 CONEXT_USE_CD = WP CONEXT_WRAP_STAT_CD = 1</td>
<td>XXXIV.3</td>
<td></td>
</tr>
<tr>
<td>CONLOC CONLOC_DT = system date CONLOC_LOCN_ID = INFDCVYRW</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Data after scanning at lift table 202B (S)WASTE (S)CON_PKG_STATUS = U (S)CONREL deleted ('M' code)</td>
<td>XXXIV.4</td>
<td></td>
</tr>
<tr>
<td>WASTE CON_PKG_STATUS = U CONREL deleted ('M' code) CONLOC CONLOC_DT = system date CONLOC_LOCN_ID = TRU_ENTRY</td>
<td></td>
<td></td>
</tr>
<tr>
<td>At discharge weight scale WASTE CON_LOCN_FACIL_ID = TRANSIT</td>
<td>XXXIV.5</td>
<td>(Not used)</td>
</tr>
<tr>
<td>Data after drum shipped CONLOC CONLOC DT = system date CONLOC_LOCN_ID = IN_TRANSIT</td>
<td>XXXIV.6</td>
<td></td>
</tr>
<tr>
<td>END</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### Table XXXV - Data description for OTP-COLD-TD-01

<table>
<thead>
<tr>
<th>Initial Data</th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>See Table II</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Data after scanning drum at lift table 203B</th>
<th>WASTEXT</th>
<th>CONEXT_RADMAT_ID = T</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Table XXXV.1</th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Data before removing drum from lift table 203B (SCRIPT)</th>
<th>WASTEXT</th>
<th>CONEXT_CNTR_STATUS = F</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Table XXXV.2</th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>At RWM BSC</th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Table XXXV.3</th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
</table>
### ATTACHMENT 6 - DATA TABLES

#### OTP-COLD-TD-01 55 gal TRU transfer drum

<table>
<thead>
<tr>
<th>RADMAT</th>
<th>CONLOC</th>
<th>CONREL</th>
</tr>
</thead>
<tbody>
<tr>
<td>RADMAT_ID = F</td>
<td>CONLOC_LOCN_ID = TRURWENTRY</td>
<td>CONREL_FROM_PKG_ID = OTP-CRT-PK-007</td>
</tr>
<tr>
<td>RADMAT_ALARM = F</td>
<td>CONLOC_DT = system date</td>
<td>CONREL_TO_PKG_ID = OTP-COLD-TD-01</td>
</tr>
<tr>
<td>RADMAT_LIMIT = 1433</td>
<td></td>
<td>CONREL_DT = system date/time</td>
</tr>
<tr>
<td>RADMAT_RAD_TOT = 214</td>
<td></td>
<td>CONREL_REL_CD = 0</td>
</tr>
<tr>
<td>RADMAT_UNITS = Cl</td>
<td></td>
<td></td>
</tr>
<tr>
<td>RADMAT_ID = T</td>
<td></td>
<td></td>
</tr>
<tr>
<td>RADMAT_ALARM = F</td>
<td></td>
<td></td>
</tr>
<tr>
<td>RADMAT_LIMIT = 177</td>
<td></td>
<td></td>
</tr>
<tr>
<td>RADMAT_RAD_TOT = 10</td>
<td></td>
<td></td>
</tr>
<tr>
<td>RADMAT_UNITS = FGE</td>
<td></td>
<td></td>
</tr>
<tr>
<td>RADMAT_ID = R</td>
<td></td>
<td></td>
</tr>
<tr>
<td>RADMAT_ALARM = F</td>
<td></td>
<td></td>
</tr>
<tr>
<td>RADMAT_LIMIT = 177</td>
<td></td>
<td></td>
</tr>
<tr>
<td>RADMAT_RAD_TOT = 10</td>
<td></td>
<td></td>
</tr>
<tr>
<td>RADMAT_UNITS = FGE</td>
<td></td>
<td></td>
</tr>
<tr>
<td>RADMAT_ID = T</td>
<td></td>
<td></td>
</tr>
<tr>
<td>RADMAT_ALARM = F</td>
<td></td>
<td></td>
</tr>
<tr>
<td>RADMAT_LIMIT = 177</td>
<td></td>
<td></td>
</tr>
<tr>
<td>RADMAT_RAD_TOT = 10</td>
<td></td>
<td></td>
</tr>
<tr>
<td>RADMAT_UNITS = FGE</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Table XXXV.4: Data after scanning at lift table 201C for sorting/sampling

Table XXXV.5: Data before removing drum from lift table 201C (SCRIPT)

All existing CONREL records deleted where conr_to_pkg_id = OTP-COLD-TD-01
<table>
<thead>
<tr>
<th><strong>OTP-COLD-TD-01 55 gal TRU transfer drum</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>CONR</strong>&lt;br&gt;CONR_FROM_PKG_ID = OTP-CRT-PK-006&lt;br&gt;CONR_TO_PKG_ID = OTP-COLD-TD-01&lt;br&gt;CONR_DT = system date/time&lt;br&gt;CONR_REL_CD = 0</td>
</tr>
<tr>
<td><strong>CONLOC</strong>&lt;br&gt;CONLOC_LOCN_ID = TRU_RWMPRT&lt;br&gt;CONLOC_DT = system date</td>
</tr>
</tbody>
</table>

| **At RWM BSC** |
| **Table XXXV.6**<br>Table XXXV.6 |

| **Data after scanning at lift table**<br>**201C for treatment** |
| **CONLOC**<br>CONLOC_LOCN_ID = TRU_RWMPRT<br>CONLOC_DT = system date |

| **Data before removing drum**<br>**from lift table 201C (SCRIPT)** |
| **WASTEXT**<br>CONTEXT_CNTR_STATUS = E |

| **Table XXXV.8**<br>Table XXXV.8 |

| **At RWM BSC** |
| **Table XXXV.9**<br>Table XXXV.9 |

**END**
Table XXXVI - Data description for OTP-COLD-TD-02

<table>
<thead>
<tr>
<th>Description</th>
<th>CONLOC</th>
<th>CONLOC_LOCN_ID = LLW_RWMPRT</th>
<th>CONLOC_DT = system date</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Initial Data</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>See Table II</td>
<td>CONLOC</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Data after scanning drum at lift table 203A</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Table XXXVI.1</td>
<td>CONLOC</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Data before removing drum from lift table 203A (SCRIPT)</strong></td>
<td>WASTEXT</td>
<td>CONEXT_CNTR_STATUS = F</td>
<td></td>
</tr>
<tr>
<td>Table XXXVI.2</td>
<td>CONREL</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>At RWM BSC</strong></td>
<td>CONLOC</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Table XXXVI.3</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### ATTACHMENT 6 - DATA TABLES

| OTP-COLD-TD-02 55 gal LLW transfer drum | CONLOC | CONLOC LOCN_ID = LLWRWENTRY  
| CONLOC DT = system date |
|----------------------------------------|--------|---------------------------------|
| Data after scanning at lift table 201F for sorting/sampling | CONREL | all existing CONREL records deleted where  
| | | conr_to_pkg_id = OTP-COLD-TD-02 |
| Table XXXVI.4 | | CONR_FROM_PKG_ID = OTP-CRL-PK-007  
| | | CONR_TO_PKG_ID = OTP-COLD-TD-02  
| | | CONR_DT = system date/time  
| | | CONR_REL_CD = 0 |
| | | CONR_FROM_PKG_ID = OTP-CRL-PK-008  
| | | CONR_TO_PKG_ID = OTP-COLD-TD-02  
| | | CONR_DT = system date/time  
| | | CONR_REL_CD = 0 |
| | | CONR_FROM_PKG_ID = OTP-CRL-PK-009  
| | | CONR_TO_PKG_ID = OTP-COLD-TD-02  
| | | CONR_DT = system date/time  
| | | CONR_REL_CD = 0 |
| | | CONR_FROM_PKG_ID = OTP-CRL-PK-010  
| | | CONR_TO_PKG_ID = OTP-COLD-TD-02  
| | | CONR_DT = system date/time  
| | | CONR_REL_CD = 0 |
| | | CONR_FROM_PKG_ID = OTP-CRL-PK-011  
| | | CONR_TO_PKG_ID = OTP-COLD-TD-02  
| | | CONR_DT = system date/time  
| | | CONR_REL_CD = 0 |
| | | CONR_FROM_PKG_ID = OTP-CRL-PK-006  
| | | CONR_TO_PKG_ID = OTP-COLD-TD-02  
| | | CONR_DT = system date/time  
| | | CONR_REL_CD = 0 |
| Data before removing drum from lift table 201F (SCRIPT) | CONREL (new) | CONR_FROM_PKG_ID = OTP-CRL-PK-007  
| | | CONR_TO_PKG_ID = OTP-COLD-TD-02  
| | | CONR_DT = system date/time  
| | | CONR_REL_CD = 0 |
| Table XXXVI.5 | | CONR_FROM_PKG_ID = OTP-CRL-PK-008  
| | | CONR_TO_PKG_ID = OTP-COLD-TD-02  
| | | CONR_DT = system date/time  
| | | CONR_REL_CD = 0 |
| | | CONR_FROM_PKG_ID = OTP-CRL-PK-009  
| | | CONR_TO_PKG_ID = OTP-COLD-TD-02  
| | | CONR_DT = system date/time  
| | | CONR_REL_CD = 0 |
| | | CONR_FROM_PKG_ID = OTP-CRL-PK-010  
| | | CONR_TO_PKG_ID = OTP-COLD-TD-02  
| | | CONR_DT = system date/time  
| | | CONR_REL_CD = 0 |
| | | CONR_FROM_PKG_ID = OTP-CRL-PK-011  
| | | CONR_TO_PKG_ID = OTP-COLD-TD-02  
| | | CONR_DT = system date/time  
| | | CONR_REL_CD = 0 |
| | | CONR_FROM_PKG_ID = OTP-CRL-PK-006  
| | | CONR_TO_PKG_ID = OTP-COLD-TD-02  
| | | CONR_DT = system date/time  
| | | CONR_REL_CD = 0 |
| At RWM BSC | CONLOC | CONLOC LOCN_ID = LLW_RWMPRT  
| CONLOC DT = system date |
| Table XXXVI.6 | | CONLOC LOCN_ID = LLW_RWENTRY  
| CONLOC DT = system date |
| Data after scanning at lift table 201F for treatment | CONLOC | CONLOC LOCN_ID = LLW_RWENTRY  
| CONLOC DT = system date |
| Table XXXVI.7 | | |
Data before removing drum from lift table 201F (SCRIPT)

<table>
<thead>
<tr>
<th>WASTEXT</th>
<th>CONTEXT_CNTR_STATUS = E</th>
</tr>
</thead>
<tbody>
<tr>
<td>CONREL</td>
<td>All existing CONREL records deleted where conr_to_pkg_id = OTP-COLD-TD-02</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Table XXXVI.8</th>
<th>CONLOC</th>
<th>CONLOC_LOCN_ID = LLW_RWMPRT, CONLOC_DT = system date</th>
</tr>
</thead>
<tbody>
<tr>
<td>At RWM BSC</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Table XXXVI.9</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

END
## ATTACHMENT 6 - DATA TABLES

### Table XXXVII - Data description for LLW Packets from LLW Glovebox

<table>
<thead>
<tr>
<th>OTP-CRL-PK-NNN</th>
<th>LLW Packets from LLW Glovebox (SCRIPT)</th>
</tr>
</thead>
<tbody>
<tr>
<td>OTP-CRL-PK-001</td>
<td><strong>WASTE</strong></td>
</tr>
<tr>
<td></td>
<td>CON_PKG_ID = OTP-CRL-PK-001</td>
</tr>
<tr>
<td></td>
<td>CON_GENER_WASTE_DESCR = AEROSOL</td>
</tr>
<tr>
<td></td>
<td>CAN OF SALINE SOLUTION</td>
</tr>
<tr>
<td></td>
<td><strong>WASTEXT</strong></td>
</tr>
<tr>
<td></td>
<td>CONEXT_PKG_ID = OTP-CRL-PK-001</td>
</tr>
<tr>
<td></td>
<td>CONEXT_MAT_GRP_CD = AC</td>
</tr>
<tr>
<td></td>
<td>CONEXT_USE_CD = PK</td>
</tr>
<tr>
<td></td>
<td><strong>CONREL</strong></td>
</tr>
<tr>
<td></td>
<td>CONR_FROM_PKG_ID = OTP-CRL-PK-001</td>
</tr>
<tr>
<td></td>
<td>CONR_TO_PKG_ID = OTP-CRL-PK-001</td>
</tr>
<tr>
<td></td>
<td>CONR_DT = system date/time</td>
</tr>
<tr>
<td></td>
<td>CONR_REL_CD = S</td>
</tr>
<tr>
<td>OTP-CRL-PK-002</td>
<td><strong>WASTE</strong></td>
</tr>
<tr>
<td></td>
<td>CON_PKG_ID = OTP-CRL-PK-002</td>
</tr>
<tr>
<td></td>
<td>CON_GENER_WASTE_DESCR = AEROSOL</td>
</tr>
<tr>
<td></td>
<td>CAN OF SALINE SOLUTION</td>
</tr>
<tr>
<td></td>
<td><strong>WASTEXT</strong></td>
</tr>
<tr>
<td></td>
<td>CONEXT_PKG_ID = OTP-CRL-PK-002</td>
</tr>
<tr>
<td></td>
<td>CONEXT_MAT_GRP_CD = AC</td>
</tr>
<tr>
<td></td>
<td>CONEXT_USE_CD = PK</td>
</tr>
<tr>
<td></td>
<td><strong>CONREL</strong></td>
</tr>
<tr>
<td></td>
<td>CONR_FROM_PKG_ID = OTP-CRL-PK-002</td>
</tr>
<tr>
<td></td>
<td>CONR_TO_PKG_ID = OTP-CRL-PK-002</td>
</tr>
<tr>
<td></td>
<td>CONR_DT = system date/time</td>
</tr>
<tr>
<td></td>
<td>CONR_REL_CD = S</td>
</tr>
<tr>
<td>OTP-CRL-PK-003</td>
<td><strong>WASTE</strong></td>
</tr>
<tr>
<td></td>
<td>CON_PKG_ID = OTP-CRL-PK-003</td>
</tr>
<tr>
<td></td>
<td>CON_GENER_WASTE_DESCR = UNLABELED AEROSOL CAN</td>
</tr>
<tr>
<td></td>
<td><strong>WASTEXT</strong></td>
</tr>
<tr>
<td></td>
<td>CONEXT_PKG_ID = OTP-CRL-PK-003</td>
</tr>
<tr>
<td></td>
<td>CONEXT_MAT_GRP_CD = AC</td>
</tr>
<tr>
<td></td>
<td>CONEXT_USE_CD = PK</td>
</tr>
<tr>
<td></td>
<td><strong>CONREL</strong></td>
</tr>
<tr>
<td></td>
<td>CONR_FROM_PKG_ID = OTP-CRL-PK-002</td>
</tr>
<tr>
<td></td>
<td>CONR_TO_PKG_ID = OTP-CRL-PK-003</td>
</tr>
<tr>
<td></td>
<td>CONR_DT = system date/time</td>
</tr>
<tr>
<td></td>
<td>CONR_REL_CD = S</td>
</tr>
<tr>
<td>OTP-CRL-PK-004</td>
<td><strong>WASTE</strong></td>
</tr>
<tr>
<td></td>
<td>CON_PKG_ID = OTP-CRL-PK-004</td>
</tr>
<tr>
<td></td>
<td>CON_GENER_WASTE_DESCR = LEAD BRICK</td>
</tr>
<tr>
<td></td>
<td><strong>WASTEXT</strong></td>
</tr>
<tr>
<td></td>
<td>CONEXT_PKG_ID = OTP-CRL-PK-004</td>
</tr>
<tr>
<td></td>
<td>CONEXT_MAT_GRP_CD = PB</td>
</tr>
<tr>
<td></td>
<td>CONEXT_USE_CD = PK</td>
</tr>
</tbody>
</table>
### ATTACHMENT 6 - DATA TABLES

<table>
<thead>
<tr>
<th>OTP-CRL-PK-NNN</th>
<th>LLW Packets from LLW Glovebox (SCRIPT)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>CONREL</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td>CON_R_FROM_PKG_ID = OTP-CRL-PI-004</td>
</tr>
<tr>
<td></td>
<td>CON_R_TO_PKG_ID = OTP-CRL-PK-004</td>
</tr>
<tr>
<td></td>
<td>CON_R_DT = system date/time</td>
</tr>
<tr>
<td></td>
<td>CON_R_REL_CD = S</td>
</tr>
<tr>
<td><strong>WASTE</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td>CON_PKG_ID = OTP-CRL-PK-005</td>
</tr>
<tr>
<td></td>
<td>CON_GENER_WASTE_DESCR = BOTTLE OF SOLVENT AND BOTTLE OF OIL</td>
</tr>
<tr>
<td><strong>WASTEXT</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td>CONEXT_PKG_ID = OTP-CRL-PK-005</td>
</tr>
<tr>
<td></td>
<td>CONEXT_MAT_GRP_CD = LQ</td>
</tr>
<tr>
<td></td>
<td>CONEXT_USE_CD = PK</td>
</tr>
<tr>
<td><strong>CONREL</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td>CON_R_FROM_PKG_ID = OTP-CRL-PI-004</td>
</tr>
<tr>
<td></td>
<td>CON_R_TO_PKG_ID = OTP-CRL-PK-005</td>
</tr>
<tr>
<td></td>
<td>CON_R_DT = system date/time</td>
</tr>
<tr>
<td></td>
<td>CON_R_REL_CD = S</td>
</tr>
<tr>
<td><strong>WASTE</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td>CON_PKG_ID = OTP-CRL-PK-006</td>
</tr>
<tr>
<td></td>
<td>CON_GENER_WASTE_DESCR = BOTTLE OF ACID</td>
</tr>
<tr>
<td><strong>WASTEXT</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td>CONEXT_PKG_ID = OTP-CRL-PK-006</td>
</tr>
<tr>
<td></td>
<td>CONEXT_MAT_GRP_CD = LQ</td>
</tr>
<tr>
<td></td>
<td>CONEXT_USE_CD = PK</td>
</tr>
<tr>
<td><strong>CONREL</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td>CON_R_FROM_PKG_ID = OTP-CRL-PI-004</td>
</tr>
<tr>
<td></td>
<td>CON_R_TO_PKG_ID = OTP-CRL-PK-006</td>
</tr>
<tr>
<td></td>
<td>CON_R_DT = system date/time</td>
</tr>
<tr>
<td></td>
<td>CON_R_REL_CD = S</td>
</tr>
</tbody>
</table>

**OTP-CRL-PK-005**
Bottle of unknown solvent and bottle of oil taped together and wrapped with cloth and tape.

**OTP-CRL-PK-006**
Bottle of acid.
### Table XXXVIII - Data description for LLW Non-Compliant Packets

<table>
<thead>
<tr>
<th>OTP-CRL-PK-NNN</th>
<th>LLW Non-Compliant Packets from LLW RWM Glovebox</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>SCRIPT</strong></td>
<td><strong>WASTE</strong></td>
</tr>
<tr>
<td>OTP-CRL-PK-007</td>
<td>Collection container containing</td>
</tr>
<tr>
<td></td>
<td>drained liquid from aerosol cans in Packets 1</td>
</tr>
<tr>
<td></td>
<td>and 2. The collection container becomes</td>
</tr>
<tr>
<td></td>
<td>Treatment Container 1.</td>
</tr>
<tr>
<td></td>
<td><strong>WASTEXT</strong></td>
</tr>
<tr>
<td></td>
<td>CON_PCK_ID = OTP-CRL-PK-007</td>
</tr>
<tr>
<td></td>
<td>CON_GENER_WASTE_DESCR = BOTTLE OF SALINE</td>
</tr>
<tr>
<td></td>
<td>SOLUTION</td>
</tr>
<tr>
<td></td>
<td><strong>CONREL</strong></td>
</tr>
<tr>
<td></td>
<td>CONR_FROM_PKG_ID = OTP-CRL-PK-001</td>
</tr>
<tr>
<td></td>
<td>CONR_TO_PKG_ID = OTP-CRL-PK-007</td>
</tr>
<tr>
<td></td>
<td>CONR_DT = sysdate</td>
</tr>
<tr>
<td></td>
<td>CONR_REL_CD = S</td>
</tr>
<tr>
<td>OTP-CRL-PK-008</td>
<td>Collection container containing</td>
</tr>
<tr>
<td></td>
<td>drained liquid from aerosol can in Packet 3.</td>
</tr>
<tr>
<td></td>
<td>The collection container becomes Treatment</td>
</tr>
<tr>
<td></td>
<td>Container 2.</td>
</tr>
<tr>
<td></td>
<td><strong>WASTEXT</strong></td>
</tr>
<tr>
<td></td>
<td>CON_PCK_ID = OTP-CRL-PK-008</td>
</tr>
<tr>
<td></td>
<td>CON_GENER_WASTE_DESCR = BOTTLE OF UNKNOWN</td>
</tr>
<tr>
<td></td>
<td>LIQUID</td>
</tr>
<tr>
<td></td>
<td><strong>CONREL</strong></td>
</tr>
<tr>
<td></td>
<td>CONR_FROM_PKG_ID = OTP-CRL-PK-002</td>
</tr>
<tr>
<td></td>
<td>CONR_TO_PKG_ID = OTP-CRL-PK-007</td>
</tr>
<tr>
<td></td>
<td>CONR_DT = sysdate</td>
</tr>
<tr>
<td></td>
<td>CONR_REL_CD = S</td>
</tr>
<tr>
<td>OTP-CRL-PK-009</td>
<td>Packet containing a lead brick</td>
</tr>
<tr>
<td></td>
<td>from Packet 4. The packet is not treated or</td>
</tr>
<tr>
<td></td>
<td>loaded out.</td>
</tr>
<tr>
<td></td>
<td><strong>WASTEXT</strong></td>
</tr>
<tr>
<td></td>
<td>CON_PCK_ID = OTP-CRL-PK-009</td>
</tr>
<tr>
<td></td>
<td>CON_GENER_WASTE_DESCR = LEAD BRICK</td>
</tr>
<tr>
<td></td>
<td><strong>CONREL</strong></td>
</tr>
<tr>
<td></td>
<td>CONR_FROM_PKG_ID = OTP-CRL-PK-003</td>
</tr>
<tr>
<td></td>
<td>CONR_TO_PKG_ID = OTP-CRL-PK-008</td>
</tr>
<tr>
<td></td>
<td>CONR_DT = sysdate</td>
</tr>
<tr>
<td></td>
<td>CONR_REL_CD = S</td>
</tr>
</tbody>
</table>
### ATTACHMENT 6 - DATA TABLES

#### OTP-CRL-PK-NNN LLW Non-Compliant Packets from LLW RWM Glovebox (SCRIPT)

<table>
<thead>
<tr>
<th>Packet ID</th>
<th>WASTE</th>
<th>WASTEX</th>
<th>CONREL</th>
</tr>
</thead>
<tbody>
<tr>
<td>OTP-CRL-PK-010</td>
<td>CON_PKG_ID = OTP-CRL-PK-010</td>
<td>CON_GENER_WASTE_DESCR = BOTTLE OF UNKNOWN SOLVENT</td>
<td>CONR_FROM_PKG_ID = OTP-CRL-PK-005</td>
</tr>
<tr>
<td></td>
<td>CON_EXTENSION_PKG_ID = OTP-CRL-PK-010</td>
<td>CON_EXTENSION_MAT_GRP_CD = LQ</td>
<td>CONR_TO_PKG_ID = OTP-CRL-PK-010</td>
</tr>
<tr>
<td></td>
<td>CON_EXTENSION_USE_CD = PK</td>
<td>CONR_DT = sysdate</td>
<td>CONR_REL_CD = S</td>
</tr>
</tbody>
</table>

Packet consisting of a bottle of unknown solvent from Packet 5. The solvent is treated in Treatment Container 3.

<table>
<thead>
<tr>
<th>Packet ID</th>
<th>WASTE</th>
<th>WASTEX</th>
<th>CONREL</th>
</tr>
</thead>
<tbody>
<tr>
<td>OTP-CRL-PK-011</td>
<td>CON_PKG_ID = OTP-CRL-PK-011</td>
<td>CON_GENER_WASTE_DESCR = BOTTLE OF OIL</td>
<td>CONR_FROM_PKG_ID = OTP-CRL-PK-005</td>
</tr>
<tr>
<td></td>
<td>CON_EXTENSION_PKG_ID = OTP-CRL-PK-011</td>
<td>CON_EXTENSION_MAT_GRP_CD = OL</td>
<td>CONR_TO_PKG_ID = OTP-CRL-PK-011</td>
</tr>
<tr>
<td></td>
<td>CON_EXTENSION_USE_CD = PK</td>
<td>CONR_DT = sysdate</td>
<td>CONR_REL_CD = S</td>
</tr>
</tbody>
</table>

Packet consisting of a bottle of oil from Packet 5. The oil is treated in Treatment Container 4.

END
### Table XXXIX - Data description for LLW Treatment Containers

<table>
<thead>
<tr>
<th>OTP-CRL-TC-NNN</th>
<th>LLW Treatment Containers (SCRIPT)</th>
</tr>
</thead>
<tbody>
<tr>
<td>** otp-crl-TC-001 **</td>
<td>** WASTE**</td>
</tr>
<tr>
<td></td>
<td>CON_PKG_ID = OTP-CRL-TC-001</td>
</tr>
<tr>
<td></td>
<td>CON_GENER_WASTE_DESCR = 1 l bottle of saline solution treated with . . . .</td>
</tr>
<tr>
<td></td>
<td>WASTEXT</td>
</tr>
<tr>
<td></td>
<td>CONEXT_PKG_ID = OTP-CRL-TC-001</td>
</tr>
<tr>
<td></td>
<td>CONEXT_USE_CD = TC</td>
</tr>
<tr>
<td></td>
<td>CONEXT_TREATMENT_FLAG = Y</td>
</tr>
<tr>
<td></td>
<td>CONREL</td>
</tr>
<tr>
<td></td>
<td>CONR_FROM_PKG_ID = OTP-CRL-PK-007</td>
</tr>
<tr>
<td></td>
<td>CONR_TO_PKG_ID = OTP-CRL-TC-001</td>
</tr>
<tr>
<td></td>
<td>CONR_DT = sysdate</td>
</tr>
<tr>
<td></td>
<td>CONR_REL_CD = C</td>
</tr>
<tr>
<td>** otp-crl-TC-002 **</td>
<td>** WASTE**</td>
</tr>
<tr>
<td></td>
<td>CON_PKG_ID = OTP-CRL-TC-002</td>
</tr>
<tr>
<td></td>
<td>CON_GENER_WASTE_DESCR = 1 l bottle of acetic acid treated with . . . .</td>
</tr>
<tr>
<td></td>
<td>WASTEXT</td>
</tr>
<tr>
<td></td>
<td>CONEXT_PKG_ID = OTP-CRL-TC-002</td>
</tr>
<tr>
<td></td>
<td>CONEXT_USE_CD = TC</td>
</tr>
<tr>
<td></td>
<td>CONEXT_TREATMENT_FLAG = Y</td>
</tr>
<tr>
<td></td>
<td>CONREL</td>
</tr>
<tr>
<td></td>
<td>CONR_FROM_PKG_ID = OTP-CRL-PK-008</td>
</tr>
<tr>
<td></td>
<td>CONR_TO_PKG_ID = OTP-CRL-TC-002</td>
</tr>
<tr>
<td></td>
<td>CONR_DT = sysdate</td>
</tr>
<tr>
<td></td>
<td>CONR_REL_CD = C</td>
</tr>
<tr>
<td>** otp-crl-TC-003 **</td>
<td>** WASTE**</td>
</tr>
<tr>
<td></td>
<td>CON_PKG_ID = OTP-CRL-TC-003</td>
</tr>
<tr>
<td></td>
<td>CON_GENER_WASTE_DESCR = 1 l bottle of solvent treated with . . . .</td>
</tr>
<tr>
<td></td>
<td>WASTEXT</td>
</tr>
<tr>
<td></td>
<td>CONEXT_PKG_ID = OTP-CRL-TC-003</td>
</tr>
<tr>
<td></td>
<td>CONEXT_USE_CD = TC</td>
</tr>
<tr>
<td></td>
<td>CONEXT_TREATMENT_FLAG = Y</td>
</tr>
<tr>
<td></td>
<td>CONREL</td>
</tr>
<tr>
<td></td>
<td>CONR_FROM_PKG_ID = OTP-CRL-PK-010</td>
</tr>
<tr>
<td></td>
<td>CONR_TO_PKG_ID = OTP-CRL-TC-003</td>
</tr>
<tr>
<td></td>
<td>CONR_DT = sysdate</td>
</tr>
<tr>
<td></td>
<td>CONR_REL_CD = C</td>
</tr>
<tr>
<td>** otp-crl-TC-004 **</td>
<td>** WASTE**</td>
</tr>
<tr>
<td></td>
<td>CON_PKG_ID = OTP-CRL-TC-004</td>
</tr>
<tr>
<td></td>
<td>CON_GENER_WASTE_DESCR = 1 l bottle of oil treated with . . . .</td>
</tr>
<tr>
<td></td>
<td>WASTEXT</td>
</tr>
<tr>
<td></td>
<td>CONEXT_PKG_ID = OTP-CRL-TC-004</td>
</tr>
<tr>
<td></td>
<td>CONEXT_USE_CD = TC</td>
</tr>
<tr>
<td></td>
<td>CONEXT_TREATMENT_FLAG = Y</td>
</tr>
</tbody>
</table>
### ATTACHMENT 6 - DATA TABLES

**OTP-CRL-TC-NNN LLW Treatment Containers (SCRIPT)**

<table>
<thead>
<tr>
<th>CONREL</th>
<th>CONR_FROM_PKG_ID = OTP-CRL-PK-011</th>
</tr>
</thead>
<tbody>
<tr>
<td>CONR_TO_PKG_ID = OTP-CRL-TC-004</td>
<td></td>
</tr>
<tr>
<td>CONR_DT = sysdate</td>
<td></td>
</tr>
<tr>
<td>CONR_REL_CD = C</td>
<td></td>
</tr>
</tbody>
</table>

**OTP-CRL-TC-005**

<table>
<thead>
<tr>
<th>WASTE</th>
<th>CON_PKG_ID = OTP-CRL-TC-005</th>
</tr>
</thead>
<tbody>
<tr>
<td>CON_GENER_WASTE_DESCR = 1 l bottle of acid treated with . . . .</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>WASTEXT</th>
<th>CONEXT_PKG_ID = OTP-CRL-TC-005</th>
</tr>
</thead>
<tbody>
<tr>
<td>CONEXT_USE_CD = TC</td>
<td></td>
</tr>
<tr>
<td>CONEXT_TREATMENT_FLAG = Y</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>CONREL</th>
<th>CONR_FROM_PKG_ID = OTP-CRL-PK-006</th>
</tr>
</thead>
<tbody>
<tr>
<td>CONR_TO_PKG_ID = OTP-CRL-TC-005</td>
<td></td>
</tr>
<tr>
<td>CONR_DT = sysdate</td>
<td></td>
</tr>
<tr>
<td>CONR_REL_CD = C</td>
<td></td>
</tr>
</tbody>
</table>

**END**
### Table XL - Data description for TRU Packets from TRU Glovebox

<table>
<thead>
<tr>
<th>TRU Packet Details</th>
<th>WASTE Details</th>
<th>CON Details</th>
</tr>
</thead>
</table>
| OTP-CRT-PK-001     | CON_PKG_ID = OTP-CRT-PK-001  
Aerosol can of saline solution.  
CON_GENER_WASTE_DESCR = Aerosol Can of Saline Solution  
WASTEXT  
CONEXT_PKG_ID = OTP-CRT-PK-001  
CONEXT_MAT_GRP_CD = AC  
CONEXT_USE_CD = PK  
PAM  
PAM_PKG_ID = OTP-CRT-PK-001  
PAM PU FGE = 1  
CONREL  
CONR_FROM_PKG_ID = OTP-CRT-PI-002  
CONR_TO_PKG_ID = OTP-CRT-PK-001  
CONR_DT = System date/time  
CONR_REL_CD = S  |
| OTP-CRT-PK-002     | CON_PKG_ID = OTP-CRT-PK-002  
Aerosol can of saline solution wrapped with bubble wrap and tape.  
CON_GENER_WASTE_DESCR = Aerosol Can of Saline Solution  
WASTEXT  
CONEXT_PKG_ID = OTP-CRT-PK-002  
CONEXT_MAT_GRP_CD = AC  
CONEXT_USE_CD = PK  
PAM  
PAM_PKG_ID = OTP-CRT-PK-002  
PAM PU FGE = 2  
CONREL  
CONR_FROM_PKG_ID = OTP-CRT-PI-002  
CONR_TO_PKG_ID = OTP-CRT-PK-002  
CONR_DT = System date/time  
CONR_REL_CD = S  |
| OTP-CRT-PK-003     | CON_PKG_ID = OTP-CRT-PK-003  
Unlabeled aerosol can wrapped with cloth and tape.  
CON_GENER_WASTE_DESCR = Unlabeled Aerosol Can  
WASTEXT  
CONEXT_PKG_ID = OTP-CRT-PK-003  
CONEXT_MAT_GRP_CD = AC  
CONEXT_USE_CD = PK  
PAM  
PAM_PKG_ID = OTP-CRT-PK-003  
PAM PU FGE = 5  
CONREL  
CONR_FROM_PKG_ID = OTP-CRT-PI-002  
CONR_TO_PKG_ID = OTP-CRT-PK-003  
CONR_DT = System date/time  
CONR_REL_CD = S  |
### ATTACHMENT 6 - DATA TABLES

**OTP-CRT-PK-NNN TRU Packets from TRU Glovebox (SCRIPT)**

<table>
<thead>
<tr>
<th>Packet ID</th>
<th>WASTE</th>
<th>CON_PKG_ID</th>
<th>CON_GENER_WASTE_DESCR</th>
<th>CONEXT_PKG_ID</th>
<th>CONEXT_MAT_GRP_CD</th>
<th>CONEXT_USE_CD</th>
<th>PAM_PKG_ID</th>
<th>PAM_PU_FGE</th>
<th>CONR_FROM_PKG_ID</th>
<th>CONR_TO_PKG_ID</th>
<th>CONR_DT</th>
<th>CONR_REL_CD</th>
</tr>
</thead>
<tbody>
<tr>
<td>OTP-CRT-PK-004</td>
<td>Lead brick wrapped with two plastic bags and tape.</td>
<td>WASTE</td>
<td>OTP-CRT-PK-004</td>
<td>LEAD BRICK</td>
<td>OTP-CRT-PK-004</td>
<td>PB</td>
<td>PK</td>
<td>OTP-CRT-PK-004</td>
<td>4</td>
<td>OTP-CRT-PK-004</td>
<td>OTP-CRT-PK-004</td>
<td>S</td>
</tr>
<tr>
<td>OTP-CRT-PK-005</td>
<td>Bottle of unknown solvent and bottle of oil taped together and wrapped with cloth and tape.</td>
<td>WASTE</td>
<td>OTP-CRT-PK-005</td>
<td>BOTTLE OF SOLVENT AND BOTTLE OF OIL</td>
<td>OTP-CRT-PK-005</td>
<td>LQ</td>
<td>PK</td>
<td>OTP-CRT-PK-005</td>
<td>5</td>
<td>OTP-CRT-PK-005</td>
<td>OTP-CRT-PK-005</td>
<td>S</td>
</tr>
</tbody>
</table>
### Table XLI - Data description for TRU Non-Compliant Packets

<table>
<thead>
<tr>
<th>OTP-CRT-PK-NNN</th>
<th>TRU Non-Compliant Packets from TRU RWM Glovebox (SCRIPT)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>OTP-CRT-PK-007</strong></td>
<td>Collection container containing drained liquid from aerosol cans in Packets 1 and 2. The collection container becomes Treatment Container 1.</td>
</tr>
</tbody>
</table>
| **WASTE** | CON_PKG_ID = OTP-CRT-PK-007  
CON_GENER_WASTE_DESCR = BOTTLE OF SALINE SOLUTION |
| **WASTEXT** | CONEXT_PKG_ID = OTP-CRT-PK-007  
CONEXT_MAT_GRP_CD = LQ  
CONEXT_USE_CD = CC |
| **CONREL** | CONR_FROM_PKG_ID = OTP-CRT-PK-001  
CONR_TO_PKG_ID = OTP-CRT-PK-007  
CONR_DT = sysdate  
CONR_REL_CD = S |
| **OTP-CRT-PK-008** | Collection Container containing drained liquid from aerosol can in Packet 3. The collection container becomes Treatment Container 2. |
| **WASTE** | CON_PKG_ID = OTP-CRT-PK-008  
CON_GENER_WASTE_DESCR = BOTTLE OF UNKNOWN LIQUID |
| **WASTEXT** | CONEXT_PKG_ID = OTP-CRT-PK-008  
CONEXT_MAT_GRP_CD = LQ  
CONEXT_USE_CD = CC |
| **CONREL** | CONR_FROM_PKG_ID = OTP-CRT-PK-002  
CONR_TO_PKG_ID = OTP-CRT-PK-007  
CONR_DT = sysdate  
CONR_REL_CD = S |
| **OTP-CRT-PK-009** | Packet containing a lead brick from Packet 4. The packet is not treated or loaded out. |
| **WASTE** | CON_PKG_ID = OTP-CRT-PK-009  
CON_GENER_WASTE_DESCR = LEAD BRICK |
| **WASTEXT** | CONEXT_PKG_ID = OTP-CRT-PK-009  
CONEXT_MAT_GRP_CD = PB  
CONEXT_USE_CD = PK |
| **CONREL** | CONR_FROM_PKG_ID = OTP-CRT-PK-004  
CONR_TO_PKG_ID = OTP-CRT-PK-009  
CONR_DT = sysdate  
CONR_REL_CD = S |
## ATTACHMENT 6 - DATA TABLES

### OTP-CRT-PK-NNN TRU Non-Compliant Packets from TRU RWM Glovebox (SCRIPT)

<table>
<thead>
<tr>
<th>Packet ID</th>
<th>WASTE</th>
<th>WASTEXT</th>
<th>CONREL</th>
</tr>
</thead>
<tbody>
<tr>
<td>OTP-CRT-PK-010</td>
<td>CON_PKG_ID = OTP-CRT-PK-010</td>
<td>CONEXT_PKG_ID = OTP-CRT-PK-010</td>
<td>CONR_FROM_PKG_ID = OTP-CRT-PK-005</td>
</tr>
<tr>
<td>Packet consisting of a bottle of unknown solvent from Packet 5. The solvent is treated in Treatment Container 3.</td>
<td>CON_GENER_WASTE_DESCR = BOTTLE OF UNKNOWN SOLVENT</td>
<td>CONEXT_MAT_GRP_CD = LQ</td>
<td>CONR_TO_PKG_ID = OTP-CRT-PK-010</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CONEXT_USE_CD = PK</td>
<td>CONR_DT = sysdate</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>CONR_REL_CD = S</td>
</tr>
<tr>
<td>OTP-CRT-PK-011</td>
<td>CON_PKG_ID = OTP-CRT-PK-011</td>
<td>CONEXT_PKG_ID = OTP-CRT-PK-011</td>
<td>CONR_FROM_PKG_ID = OTP-CRT-PK-005</td>
</tr>
<tr>
<td>Packet consisting of a bottle of oil from Packet 5. The oil is treated in Treatment Container 4.</td>
<td>CON_GENER_WASTE_DESCR = BOTTLE OF OIL</td>
<td>CONEXT_MAT_GRP_CD = OL</td>
<td>CONR_TO_PKG_ID = OTP-CRT-PK-011</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CONEXT_USE_CD = PK</td>
<td>CONR_DT = sysdate</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>CONR_REL_CD = S</td>
</tr>
<tr>
<td>END</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Table XLII - Data description for TRU Treatment Containers

<table>
<thead>
<tr>
<th>OTP-CRT-TC-NNN</th>
<th>TRU Treatment Containers (SCRIPT)</th>
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<tbody>
<tr>
<td>OTP-CRT-TC-001</td>
<td>WASTE</td>
</tr>
<tr>
<td></td>
<td>CON_PKG_ID = OTP-CRT-TC-001</td>
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<tr>
<td></td>
<td>CON_GENER_WASTE_DESCR = 1 l bottle of saline solution treated with . . .</td>
</tr>
<tr>
<td></td>
<td>WASTEXT</td>
</tr>
<tr>
<td></td>
<td>CONEXT_PKG_ID = OTP-CRT-TC-001</td>
</tr>
<tr>
<td></td>
<td>CONEXT_USE_CD = TC</td>
</tr>
<tr>
<td></td>
<td>CONEXT_TREATMENT_FLAG = Y</td>
</tr>
<tr>
<td></td>
<td>CONREL</td>
</tr>
<tr>
<td></td>
<td>CONR_FROM_PKG_ID = OTP-CRT-PK-007</td>
</tr>
<tr>
<td></td>
<td>CONR_TO_PKG_ID = OTP-CRT-TC-001</td>
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<tr>
<td></td>
<td>CONR_DT = sysdate</td>
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<tr>
<td></td>
<td>CONR_REL_CD = C</td>
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<tr>
<td>OTP-CRT-TC-002</td>
<td>WASTE</td>
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<tr>
<td></td>
<td>CON_PKG_ID = OTP-CRT-TC-002</td>
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<tr>
<td></td>
<td>CON_GENER_WASTE_DESCR = 1 l bottle of acetic acid treated with . . .</td>
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<td>WASTEXT</td>
</tr>
<tr>
<td></td>
<td>CONEXT_PKG_ID = OTP-CRT-TC-002</td>
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<td>CONEXT_USE_CD = TC</td>
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<td>CONEXT_TREATMENT_FLAG = Y</td>
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<tr>
<td></td>
<td>CONREL</td>
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<tr>
<td></td>
<td>CONR_FROM_PKG_ID = OTP-CRT-PK-008</td>
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<td>CONR_TO_PKG_ID = OTP-CRT-TC-002</td>
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<td>CONR_DT = sysdate</td>
</tr>
<tr>
<td></td>
<td>CONR_REL_CD = C</td>
</tr>
<tr>
<td>OTP-CRT-TC-003</td>
<td>WASTE</td>
</tr>
<tr>
<td></td>
<td>CON_PKG_ID = OTP-CRT-TC-003</td>
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<tr>
<td></td>
<td>CON_GENER_WASTE_DESCR = 1 l bottle of solvent treated with . . .</td>
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<tr>
<td></td>
<td>WASTEXT</td>
</tr>
<tr>
<td></td>
<td>CONEXT_PKG_ID = OTP-CRT-TC-003</td>
</tr>
<tr>
<td></td>
<td>CONEXT_USE_CD = TC</td>
</tr>
<tr>
<td></td>
<td>CONEXT_TREATMENT_FLAG = Y</td>
</tr>
<tr>
<td></td>
<td>CONREL</td>
</tr>
<tr>
<td></td>
<td>CONR_FROM_PKG_ID = OTP-CRT-PK-010</td>
</tr>
<tr>
<td></td>
<td>CONR_TO_PKG_ID = OTP-CRT-TC-003</td>
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<td>CONR_DT = sysdate</td>
</tr>
<tr>
<td></td>
<td>CONR_REL_CD = C</td>
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<tr>
<td>OTP-CRT-TC-004</td>
<td>WASTE</td>
</tr>
<tr>
<td></td>
<td>CON_PKG_ID = OTP-CRT-TC-004</td>
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<tr>
<td></td>
<td>CON_GENER_WASTE_DESCR = 1 l bottle of oil treated with . . .</td>
</tr>
<tr>
<td></td>
<td>WASTEXT</td>
</tr>
<tr>
<td></td>
<td>CONEXT_PKG_ID = OTP-CRT-TC-004</td>
</tr>
<tr>
<td></td>
<td>CONEXT_USE_CD = TC</td>
</tr>
<tr>
<td></td>
<td>CONEXT_TREATMENT_FLAG = Y</td>
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</tbody>
</table>
## ATTACHMENT 6 - DATA TABLES

### OTP-CRT-TC-NNN TRU Treatment Containers (SCRIPT)

<table>
<thead>
<tr>
<th>Context</th>
<th>Details</th>
</tr>
</thead>
</table>
| **CONREL** | CONR_FROM_PKG_ID = OTP-CRT-PK-011  
CONR_TO_PKG_ID = OTP-CRT-TC-004  
CONR_DT = sysdate  
CONR_REL_CD = C |
| **OTP-CRT-TC-005** | CON_PKG_ID = OTP-CRT-TC-005  
CON_GENER_WASTE_DESCR = 1 l bottle of acid treated with . . . . |
| **WASTEXT** | CONEXT_PKG_ID = OTP-CRT-TC-005  
CONEXT_USE_CD = TC  
CONEXT_TREATMENT_FLAG = Y |
| **CONREL** | CONR_FROM_PKG_ID = OTP-CRT-PK-006  
CONR_TO_PKG_ID = OTP-CRT-TC-005  
CONR_DT = sysdate  
CONR_REL_CD = C |
| **END** | |
ATTACHMENT 7 - ACRONYMS

AGV  Automatic Guided Vehicle
AGVCS Automatic Guided Vehicle Control System
ASRS Automated Stacker Retriever System
ATP  Acceptance Test Procedure
CRT  Integrated Engineering Cold Run Test
DMS  Data Management System
DOS  Duty Operations Supervisor
FTP  Functional Test Procedure
GEA  Gamma Energy Assay
HS   Hand Switch
IPAN Imaging Passive-Active Neutron
MC   Maintenance Craft
OCS  Operating Control Station
OIU  Operator Interface Unit
OP   Operations Personnel
OTP  Operating Test Procedure
PCS  Plant Control System
PLC  Programmable Logic Controller
RCT  Radiological Control Technician
RTAP Real Time Applications Platform
SWITS Solid Waste Information Tracking System
TD   Test Director
TE   Test Engineer
TRU  Transuranic Waste
ATTACHMENT 8 - WRAP DRUM ROUTES

INCOMING DRUMS (1 of 2)

Process Route 1
NG TRU & LLW

Process Route 2
Ret & NG Non-compliant TRU

Process Route 3
Ret & NG Non-compliant LLW

Process Route 4
55-Gallon One-Trip Empties

Process Route 5
85 Gallon Empties

Process Route 6
55 Gallon E/E Empties

PCGAS/GCS

MANUAL


drum isl.1.ved 9/2007

Q. Process Routes 29, 38, 46, & 55 shall be identical to normal convey to access drums to processing (normal convey flow)
ATTACHMENT 8 - WRAP DRUM ROUTES
ATTACHMENT 8 - WRAP DRUM ROUTES

**Process Routes**

- Process Route #101B
- Process Route #102B
- Process Route #103B

**Notes**

- Drum-out-vot 827767
- Process Routes 101A, 102A, and 103A will be identified in the B routes except in the case of the X Drum-out-vot. (Final conveyor flow reversed).
This document was too large to scan as a single document; therefore, it has been divided into smaller sections.

Section 2 of 2

<table>
<thead>
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<th>Document Information</th>
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</tr>
<tr>
<td>Title</td>
</tr>
<tr>
<td>Date</td>
</tr>
<tr>
<td>Originator</td>
</tr>
<tr>
<td>Recipient</td>
</tr>
<tr>
<td>References</td>
</tr>
<tr>
<td>Keywords</td>
</tr>
<tr>
<td>Projects</td>
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<tr>
<td>Other Information</td>
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</table>
## ATTACHMENT 1 - TEST EXCEPTION LOG

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<tr>
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<th>DATE INITIATED</th>
<th>DESCRIPTION</th>
<th>DISPOSITION</th>
<th>DATE CLOSED</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>9/3/97</td>
<td>TRAINING REQUIREMENTS</td>
<td>ACCEPT AS IS AND PROCEED</td>
<td>9/5/97</td>
</tr>
<tr>
<td>2</td>
<td>9/4/97</td>
<td>PRE-SHIPMENT DOCUMENTATION REVIEW</td>
<td>ACCEPT AS IS AND PROCEED</td>
<td>9/5/97</td>
</tr>
<tr>
<td>3</td>
<td>9/4/97</td>
<td>DMS CONFIRM DATA BUTTON</td>
<td>DATA CORRECTED, NO RETEST REQ'D.</td>
<td>9/5/97</td>
</tr>
<tr>
<td>4</td>
<td>9/5/97</td>
<td>OP-0502 HAS NO EMPTY DRUM RECEIVING SECTION</td>
<td>WRITE SECTION AND TEST TO PROVE VALIDITY</td>
<td>9/5/97</td>
</tr>
<tr>
<td>5</td>
<td>9/5/97</td>
<td>TARE WEIGHT NOT SET</td>
<td>CORRECT DATA AND RETEST IN ATT. 4, SECTION 5.3.94</td>
<td>9/9/97</td>
</tr>
<tr>
<td>6</td>
<td>9/9/97</td>
<td>PROCESS AGV BATTERY LOW ALARM</td>
<td>USE VEHICLE FOR INSTRUCTION</td>
<td>1/8/98</td>
</tr>
<tr>
<td>7</td>
<td>9/9/97</td>
<td>RTAP AIRLOCK DIRECTOR NOT ACCURATE</td>
<td>TROUBLESHOOT AND ADJUST PLC LOGIC</td>
<td>10/7/97</td>
</tr>
<tr>
<td>8</td>
<td>9/9/97</td>
<td>PIN LOST AT STAGING CONVEYOR</td>
<td>RETEST</td>
<td>9/10/97</td>
</tr>
<tr>
<td>9</td>
<td>9/10/97</td>
<td>MT-09 TRANSFER FAIL AT CT-201E</td>
<td>RETEST</td>
<td>9/30/97</td>
</tr>
<tr>
<td>10</td>
<td>9/10/97</td>
<td>EMPTY STAGING CONVEYOR -204 IS TOO HIGH</td>
<td>GENERATE WORK PACKAGE TO LOWER</td>
<td>11/14/98</td>
</tr>
<tr>
<td>11</td>
<td>9/10/97</td>
<td>AGV POPUP ON RTAP, AREA 3 IS BLANK.</td>
<td>VENDOR REPAIR AND RETEST</td>
<td>10/5/97</td>
</tr>
</tbody>
</table>
## ATTACHMENT 1 - TEST EXCEPTION LOG

<table>
<thead>
<tr>
<th>EXCEPTION TRACKING NUMBER</th>
<th>DATE INITIATED</th>
<th>DESCRIPTION</th>
<th>DISPOSITION</th>
<th>DATE CLOSED</th>
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<tr>
<td>12</td>
<td>9/10/97</td>
<td>RELEASE AGV BUTTON SENDS 2 RAPID MESSAGES</td>
<td>CHANGE CODE AND RETEST</td>
<td>11/8/98</td>
</tr>
<tr>
<td>13</td>
<td>9/25/97</td>
<td>OUI AUTO/MAINT MODE AND E-STOP INDICATION</td>
<td>ADD INDICATION</td>
<td>11/26/98</td>
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<tr>
<td>14</td>
<td>9/25/97</td>
<td>DRUM DROP-OFFS ARE CURRENTLY ALLOWED IN MAINT. MODE</td>
<td>CHANGE LOGIC AND RETEST</td>
<td>11/3/98</td>
</tr>
<tr>
<td>15</td>
<td>9/25/97</td>
<td>DISCHARGE WEIGHT SENT AS 0</td>
<td>TS/REPAIR/RETEST</td>
<td>10/7/97</td>
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<tr>
<td>16</td>
<td>9/25/97</td>
<td>DMS1231 - PINS TRUNCATED NO HOLD ‘VALUE ALLOWED</td>
<td>CHANGE CODE TO NOT TRUNCATE/ADD 'HOLD'</td>
<td>11/8/98</td>
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<tr>
<td>18</td>
<td>9/29/97</td>
<td>WSRD FIELD REQ'D FOR CLO DRUMS</td>
<td>REMOVE REQUIREMENT AND RETEST</td>
<td>9/29/97</td>
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<tr>
<td>19</td>
<td>10/2/97</td>
<td>CAROUSEL INITIALIZATION</td>
<td>IMPROVE INITIALIZATION STEPS</td>
<td>11/8/98</td>
</tr>
<tr>
<td>20</td>
<td>10/3/97</td>
<td>AGV START MNTION</td>
<td>VENDOR T/S &amp; REPAIR</td>
<td>2/2/98</td>
</tr>
<tr>
<td>22</td>
<td>10/3/97</td>
<td>RUN CAROUSEL INITIALIZATION, DISPLAY</td>
<td>IMPROVE INIT. AND RTAP DRUM INDICATION, SOFTWARE DISPLAY</td>
<td>11/8/98</td>
</tr>
<tr>
<td>EXCEPTION TRACKING NUMBER</td>
<td>DATE INITIATED</td>
<td>DESCRIPTION</td>
<td>DISPOSITION</td>
<td>DATE CLOSED</td>
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<tr>
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<tr>
<td>23</td>
<td>10/3/97</td>
<td>NDE/NDA CAROUSEL INITIALIZATION</td>
<td>ADD RTAP DISPLAY, UPGRADE SEC SCO INIT SEQUENCE</td>
<td>1/14/98</td>
</tr>
<tr>
<td>24</td>
<td>10/3/97</td>
<td>TRUNCATED PIN DATA ON RTAP ADV POPUP</td>
<td>STOP TRUNCATION</td>
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</tr>
<tr>
<td>25</td>
<td>10/6/97</td>
<td>DMS/SIE COMMUNICATION</td>
<td>RUN IN MANUAL</td>
<td>1/8/98</td>
</tr>
<tr>
<td>26</td>
<td>10/6/97</td>
<td>ASRS OUT OF SERVICE</td>
<td>DO NOT USE ASRS FOR THIS PORTION OF TEST</td>
<td>1/8/98</td>
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<td>27</td>
<td>10/7/97</td>
<td>PICKUP/DROP OFF MESSAGES</td>
<td>CHANGE RUNCODE</td>
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</tr>
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<td>28</td>
<td>10/7/97</td>
<td>READY FOR PICKUP BUTTON MULTIPLE MESSAGES SENT</td>
<td>CHANGE CODE</td>
<td>1/8/98</td>
</tr>
<tr>
<td>29</td>
<td>10/8/97</td>
<td>MULTIPLE RTAP ALARM FOR SINGLE DMS ALARM</td>
<td>CHANGE CODE</td>
<td></td>
</tr>
<tr>
<td>30</td>
<td>10/9/97</td>
<td>EXTRA DROP OFF COMMAND AT TRUWOM</td>
<td>CHANGE CODE</td>
<td>1/8/98</td>
</tr>
<tr>
<td>31</td>
<td>10/9/97</td>
<td>DRUM WENT TO CENTER OF ZOIF TRANSFER FAIL</td>
<td>CHANGE CODE</td>
<td>1/8/98</td>
</tr>
<tr>
<td>32</td>
<td>10/9/97</td>
<td>ABORT BWAS MESSAGE INCORRECT</td>
<td>MODIFY NETCOM</td>
<td></td>
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<tr>
<td>33</td>
<td>10/9/97</td>
<td>AGVCS DID NOT ABORT</td>
<td>T/S AND RETEST</td>
<td>2/2/98</td>
</tr>
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</table>
## ATTACHMENT 1 - TEST EXCEPTION LOG

<table>
<thead>
<tr>
<th>EXCEPTION TRACKING NUMBER</th>
<th>DATE INITIATED</th>
<th>DESCRIPTION</th>
<th>DISPOSITION</th>
<th>DATE CLOSED</th>
</tr>
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<tbody>
<tr>
<td>34</td>
<td>10/9/97</td>
<td>LIFT TABLE NOT DISABLED FOR PU AGE ALARM</td>
<td>OPS TO DETERMINE WHAT TO LOCK OUT</td>
<td>1/8/98</td>
</tr>
<tr>
<td>35</td>
<td>10/13/97</td>
<td>NO AIRLOCK DISPLAY FOR AGV ON CS.</td>
<td>ADD STATUS</td>
<td>2/12/98</td>
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<tr>
<td>36</td>
<td>10/13/97</td>
<td>NO ENABLED/DISABLED STATUS DISPLAY ON CS FOR FISSILE ALARMS</td>
<td>ADD STATUS</td>
<td>2/12/98</td>
</tr>
<tr>
<td>37</td>
<td>10/13/97</td>
<td>NO WAY TO ISSUE P/I AT STAGING CONVEYOR</td>
<td>ADD PULL DOWN OPTION</td>
<td>2/2/98</td>
</tr>
<tr>
<td>38</td>
<td>10/13/97</td>
<td>NO WAY TO ISSUE P/I, DROP-OFF REQUESTS IN AGV CS.</td>
<td>MODIFY AGV CS</td>
<td>2/12/98</td>
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<tr>
<td>39</td>
<td>10/13/97</td>
<td>DMS52385 DID NOT REFRESH</td>
<td>MODIFY SCREEN</td>
<td>10/31/97</td>
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<td>10/14/97</td>
<td>MT-03, MT-06 PINS NOT TRANSFERRED</td>
<td>INITIATE AND RETEST</td>
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<td>41</td>
<td>10/14/97</td>
<td>AIRLOCK WEIGHT SCALES NOT DISPLAYING CORRECTLY</td>
<td>T/S &amp; RETEST</td>
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<td>42</td>
<td>10/14/97</td>
<td>DISCHARGE WEIGHT ON BARCODE DISPLAY</td>
<td>T/S &amp; RETEST</td>
<td>10/20/97</td>
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<tr>
<td>43</td>
<td>10/14/97</td>
<td>FISSILE INVENTORY CHANGES AT AIRLOCK</td>
<td>TIE PHOTONE TO CONVERTER RUNNING</td>
<td>1/13/98</td>
</tr>
<tr>
<td>44</td>
<td>10/16/97</td>
<td>PCS CONTROL BITS FOR CAROUSEL</td>
<td>CHANGE CODE &amp; RETEST</td>
<td>1/8/98</td>
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</tbody>
</table>
## ATTACHMENT 1 - TEST EXCEPTION LOG

<table>
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<tr>
<th>EXCEPTION TRACKING NUMBER</th>
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<tbody>
<tr>
<td>45</td>
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<td>PHOTOEYES NOT ALIGNED</td>
<td>ALIGN</td>
<td>1/20/98</td>
</tr>
<tr>
<td>46</td>
<td>10/16/97</td>
<td>MOTOR OVERLOADS FOR LT, CONV. TOO LOW</td>
<td>RAISE IF APPROPRIATE</td>
<td>11/7/98</td>
</tr>
<tr>
<td>47</td>
<td>10/20/97</td>
<td>DMSS0348 QUERY DID NOT LIST PINS</td>
<td>MODIFY SCREEN &amp; RETEST</td>
<td>1/16/98</td>
</tr>
<tr>
<td>48</td>
<td>10/20/97</td>
<td>DRUM PRESENT BIT NOT SET</td>
<td>MODIFY CODE &amp; RETEST</td>
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<tr>
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<td>10/20/97</td>
<td>DMSS0348 CHANGE DRUM BUTTON</td>
<td>MODIFY CODE &amp; RETEST</td>
<td>1/16/98</td>
</tr>
<tr>
<td>50</td>
<td>10/20/97</td>
<td>DMSS0328 LOADOUT DRUM</td>
<td>QUERY MENU OPTIONS</td>
<td>MODIFY SCREEN &amp; RETEST</td>
</tr>
<tr>
<td>51</td>
<td>10/20/97</td>
<td>DMSS0323 DATA ENTRY</td>
<td>MODIFY SCREEN &amp; RETEST</td>
<td>1/16/98</td>
</tr>
<tr>
<td>52</td>
<td>10/31/97</td>
<td>INCORRECT DRUM LOCATION MESSAGE SENT</td>
<td>Correct &amp; retest</td>
<td></td>
</tr>
<tr>
<td>53</td>
<td>10/31/97</td>
<td>EMPSTR PIN COUNTER NOT INCREASING</td>
<td>CREATE Z BUFFER AREAS</td>
<td>1/5/98</td>
</tr>
<tr>
<td>54</td>
<td>11/4/97</td>
<td>DMSS0404 USING EMPSTR INSTEAD OF SHIP EMPSTR</td>
<td>FIX &amp; RETEST</td>
<td>1/13/98</td>
</tr>
<tr>
<td>55</td>
<td>11/6/97</td>
<td>SHIPPING NOT POSSIBLE WAIT BYPASSING PROCEDURES</td>
<td>AVOID ASRS REPAIR, S160MS RESOLUTION</td>
<td>1/8/98</td>
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### ATTACHMENT 2 - TEST EXCEPTION REPORT

<table>
<thead>
<tr>
<th>TEST PROCEDURE NO. &amp; SECTION:</th>
<th>TEST NAME:</th>
<th>EXCEPTION TRACKING NUMBER:</th>
</tr>
</thead>
<tbody>
<tr>
<td>HNF-SD-W026-OTP-018 REVO</td>
<td>COLD RUN-BOP</td>
<td>1</td>
</tr>
</tbody>
</table>

**DESCRIPTION OF PROBLEM:**
WTH 200, SECTION 5.1, TRAINING PLAN WAS RECENTLY IMPLEMENTED, ISSUED SPA 1/1/98 AND HAS NOT YET BEEN FULLY IMPLEMENTED.

**ORIGINATOR:** Scott Anderson  **ORG:** 32020  **DATE:** 9/3/97

**IMPACT ON TESTING:**
- [ ] HOLD FOR RESOLUTION
- [X] CONTINUE

**TEST DIRECTOR:** [Signature]  **DATE:** 9/3/97

**DISPOSITION:**
PERSONNEL PERFORMING THIS TEST, WITH THE EXCEPTION OF THE INDIVIDUALS LISTED ON THE ATTACHED PAGE, ARE CURRENTLY QUALIFIED PER THE RECENTLY CANCELLED WTH-CM-5-34, SECTION 1.8. KAY HUMPHRYS IS THE ONLY WRAP EMPLOYEE QUALIFIED IN ACCORDANCE WITH HNF-1P-1242, WRAP I RPD RADIATION PROTECTION PROGRAM.

**DISPOSITION APPROVED BY:** [Signature]  **TEST ENGINEER**  **DATE:** 9/3/97

**DISPOSITION AND RETEST REQUIREMENTS COMPLETED BY:** Scott Anderson  **DATE:** 9/3/97

**DISPOSITION ACTIONS COMPLETE VERIFIED BY:** N/A  **DATE:**

**QA CONCURRENCE WITH DISPOSITION (if required):** N/A  **DATE:**

**RETEST COMPLETE VERIFIED BY:** N/A  **DATE:**

**TEST EXCEPTION CLOSED:**

**TEST ENGINEER:** [Signature]  **DATE:** 9/5/97

**TEST DIRECTOR:** Scott Anderson  **DATE:** 9/5/97
## SUMMARY

**NEW TO THE POSITION OR PLANT WITHIN 6 MONTHS**

<table>
<thead>
<tr>
<th>NAME</th>
<th>COURSE</th>
<th>COMPLETION DATE</th>
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</thead>
<tbody>
<tr>
<td>H ALCALA</td>
<td>WRAP SELF SURVEY&lt;br&gt;SHIPPING/REceiving CERT&lt;br&gt;NDA OPERATOR CERT&lt;br&gt;Facility OPERATOR CERT</td>
<td></td>
</tr>
<tr>
<td>RJ BOTTENUS</td>
<td>SUPERVISOR FUNDAMENTALS&lt;br&gt;MANAGING PEOPLE, THE ART OF LEADERSHIP&lt;br&gt;Occurrence REPORT WRITING&lt;br&gt;OPS MANAGER QUALS</td>
<td></td>
</tr>
<tr>
<td>LR LAMPMAN</td>
<td>NDA OPERATOR CERT</td>
<td></td>
</tr>
<tr>
<td>MA PURCELL</td>
<td>USQ EVALUATOR&lt;br&gt;TECH STAFF CHECKLIST</td>
<td></td>
</tr>
<tr>
<td>LW ROBERTS</td>
<td>USQ EVALUATOR&lt;br&gt;MANAGER/TECH STAFF CHECKLIST</td>
<td></td>
</tr>
<tr>
<td>WA ROBERTSON</td>
<td>CONTAINER WASTE&lt;br&gt;CON MANUAL TRAINING&lt;br&gt;WASTE DESIGNATION&lt;br&gt;FACILITY WASTE SAMPLING &amp; ANALYSIS&lt;br&gt;MEDIC 1ST AID&lt;br&gt;Supervisor FUNDAMENTALS&lt;br&gt;MANAGING PEOPLE, THE ART OF LEADERSHIP&lt;br&gt;TEAM LEAD QUALIFICATIONS&lt;br&gt;PIC TRAINING&lt;br&gt;SELF SURVEY</td>
<td>9/17-18&lt;br&gt;9/11-12&lt;br&gt;9/22-23&lt;br&gt;10/29</td>
</tr>
<tr>
<td>CL SCHROEDER</td>
<td>NDA OPERATOR QUAL</td>
<td></td>
</tr>
<tr>
<td>TC SYNOGROUNd</td>
<td>OPS MANAGER QUALS&lt;br&gt;SELF SURVEY&lt;br&gt;TECH STAFF CHECKLIST&lt;br&gt;ROOT CAUSE BASIS&lt;br&gt;PIC TRAINING</td>
<td>11/17</td>
</tr>
<tr>
<td>JR WEIDERT</td>
<td>CONDUCT OF OPS&lt;br&gt;MANAGER SAFETY TRAINING&lt;br&gt;CON MANUAL TRAINING&lt;br&gt;SAFE/DRUG-FREE WORKPLACE&lt;br&gt;NEW MANAGER ORIENTATION&lt;br&gt;RISK EVALUATION&lt;br&gt;ROOT CAUSE</td>
<td>11/17-18&lt;br&gt;9/9&lt;br&gt;9/16&lt;br&gt;2/2</td>
</tr>
<tr>
<td>NP WILLIS</td>
<td>CONTAINER WASTE&lt;br&gt;EPCRA REPORTING&lt;br&gt;ROOT CAUSE&lt;br&gt;TECH STAFF CHECKLIST</td>
<td>9/17-18&lt;br&gt;9/8</td>
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</table>
### ATTACHMENT 2 - TEST EXCEPTION REPORT

<table>
<thead>
<tr>
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<th>EXCEPTION TRACKING NUMBER:</th>
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<tbody>
<tr>
<td>HNF-026-0TR-01B REV 0 ATTACHMENT 4 SECTIONS 5.1.1, 5.1.2, 5.2.1</td>
<td>COLD RUN - BOP</td>
<td>2</td>
</tr>
</tbody>
</table>

**DESCRIPTION OF PROBLEM:**
Pre-shipping documentation consists almost entirely of fictitious data which serves no testing purpose. A review of pertinent test data such as isotopic breakdown of the simulated waste would cause operations to reject the waste based on facility decay limit, Pu fission limit, and drum beta gamma dose rate limits being exceeded.

<table>
<thead>
<tr>
<th>ORIGINATOR:</th>
<th>ORG:</th>
<th>IMPACT ON TESTING:</th>
</tr>
</thead>
<tbody>
<tr>
<td>SCOTT ANDERSON</td>
<td>32620</td>
<td></td>
</tr>
</tbody>
</table>

**DATE:** 9/4/97

**TEST DIRECTOR:** SCOTT ANDERSON
**DATE:** 9/4/97

**DISPOSITION:** Proceed with unloading and receiving of drums without verifying pre-shipping documentation review is completed. This review is not required for test completion.

**DISPOSITION APPROVED BY:**

**DISPOSITION AND RETEST REQUIREMENTS COMPLETED BY:**
SCOTT ANDERSON
**DATE:** 9/4/97

<table>
<thead>
<tr>
<th>DISPOSITION ACTIONS COMPLETE VERIFIED BY:</th>
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<tbody>
<tr>
<td>N/A</td>
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</table>

**DATE:**

**QAE CONCURRENCE WITH DISPOSITION (if required):**
N/A
**DATE:**

**RETEST COMPLETE VERIFIED BY:**
N/A
**DATE:**

**TEST EXCEPTION CLOSED:**

**TEST ENGINEER:** SCOTT ANDERSON
**DATE:** 9/5/97

**TEST DIRECTOR:** SCOTT ANDERSON
**DATE:** 9/5/97
<table>
<thead>
<tr>
<th>TEST PROCEDURE NO. &amp; SECTION:</th>
<th>TEST NAME:</th>
<th>EXCEPTION TRACKING NUMBER:</th>
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</thead>
<tbody>
<tr>
<td>HNF-SD-W026-OTP-018 Rev 0</td>
<td>COLDRUN-BOP</td>
<td>3</td>
</tr>
</tbody>
</table>

**DESCRIPTION OF PROBLEM:**

DMS 50101 CONFIRM DATA ONLY FOUND ERROR FOR 1 DRUM AT A TIME. FOUND 1962 DATA FOR OTP-CLP-PO-004 AS "INNER SW1TS CON_SCE_FACIL-1D IS WNL". ADDED DATA TO CLEAR ERROR AND HIT CONFIRM DATA AGAIN. RECEIVED SAME ERROR FOR -003, AND SO ON FOR DRUMS -002 AND -001. SHOULD HAVE RECEIVED ALL ERRORS ON INITIAL CONFIRM DATA. IS THIS FIELD REQUIRED?

**ORIGINATOR:** Scott Anderson  
**ORG:** 32C20

**IMPACT ON TESTING:**  
- HOLD FOR RESOLUTION  
- CONTINUE

**TEST DIRECTOR:** Scott Anderson  
**DATE:** 9/4/97

**DISPOSITION:**  
Data Error - Data on SW1TS was corrected. No retest required.

**DISPOSITION APPROVED BY:** Scott Anderson  
**TEST ENGINEER**

**DISPOSITION AND RETEST REQUIREMENTS COMPLETED BY:**  
MARK PALMER  
**DATE:** 9/5/97

**QAE CONCURRENCE WITH DISPOSITION (if required):**  
**DATE:**  
N/A

**DISPOSITION ACTIONS COMPLETE VERIFIED BY:**  
**DATE:**  
N/A

**RETEST COMPLETE VERIFIED BY:**  
**DATE:**  
N/A

**TEST EXCEPTION CLOSED:**  
**TEST ENGINEER:** Scott Anderson  
**DATE:** 9/5/97

**TEST DIRECTOR:** Scott Anderson  
**DATE:** 9/5/97
**HANFORD NUCLEAR FACILITY**

**WRAP I**

**Integrated Engineering Cold Run Test - Balance of Plant**

**ATTACHMENT 2 - TEST EXCEPTION REPORT**

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<tbody>
<tr>
<td>HNF-SD-W026-OTP-018 REV 0 ATTACHMENT 4 SECTION 5.2.1</td>
<td>COLD RUN - BOP</td>
<td>4</td>
</tr>
</tbody>
</table>

**DESCRIPTION OF PROBLEM:**
WRP1-OP-0502, SECTION TITLED "UNLOAD/STORE WASTE CONTAINERS" DOES NOT ADDRESS RECEIPT AND STAGING OF EMPTY DRUMS TO THE EMPTY STAGING AREA.

**ORIGINATOR:**
Scott Anderson  
**ORG:** 52620  
**DATE:** 9/5/97

**IMPACT ON TESTING:**
- **HOLD FOR RESOLUTION**  
- **CONTINUE**  

**TEST DIRECTOR:**
Scott Anderson  
**DATE:** 9/5/97

**DISPOSITION:**
WRITE UP NEW SECTION FOR 0502 WHICH ADDRESSES RECEIPT AND STAGING OF EMPTY DRUMS. PERFORM STEPS TO VALIDATE THEM, REDUCING AS NECESSARY. STEPS ARE ATTACHED TO THIS EXCEPTION AND ARE TO BE ADDED AS A SECTION TO 0502 FOLLOWING COMPLETION OF THE COLD RUN - BOP.

**DISPOSITION APPROVED BY:**
Scott Anderson  
**TEST ENGINEER**
Scott Anderson  
**DATE:** 9/5/97

**DISPOSITION AND RETEST REQUIREMENTS COMPLETED BY:**
Scott Anderson  
**DATE:** 9/5/97

**DISPOSITION ACTIONS COMPLETE VERIFIED BY:**
N/A  
**DATE:**

**QAE CONCURRENCE WITH DISPOSITION (if required):**
N/A  
**DATE:**

**RETEST COMPLETE VERIFIED BY:**
N/A  
**DATE:**

**TEST EXCEPTION CLOSED:**

**TEST ENGINEER:**
Scott Anderson  
**DATE:** 9/5/97

**TEST DIRECTOR:**
Scott Anderson  
**DATE:** 9/5/97
NEW SECTION FOR WRP1-OP-0502, TO BE LOCATED BETWEEN CURRENT SECTIONS D AND E.

X. RECEIVE AND STAGE EMPTY DRUMS

1. IF not already unloaded, UNLOAD containers off the transport vehicle.

2. COMPLETE inspection, as necessary.

3. STAGE containers in the receiving area.

NOTE - No more than 50 containers can be scanned in using the portable barcode scanner without continuing with the storing of the containers and clearing the barcode scanner.

4. SCAN the RECEIVING DOCK location barcode and the barcode label on each container.

5. NOTE the display on the portable barcode scanner "TOTAL SCANNED:## AVAILABLE:##", where the TOTAL SCANNED is the total number of drums that have been scanned, and AVAILABLE is the number of available slots in the staging table.

6. AFTER scanning up to 50 containers in the shipment, SCAN the END barcode label to send the data to the DMS and SCAN the YES to end operation or NO to abort. OR

7. Using the "Container Receiving" screen, PRESS the Confirm Data button.

8. ENTER a signature password to allow for SWITS data retrieval.

9. PRESS the [Request Cert Data] button on the "Container Receiving" screen to RETRIEVE data from SWITS.

10. SELECT route code for empty drums, one-by-one, using DMS screen DMSS0101, and CLICK OK after each selection.

11. VERIFY that there are no empty containers in the EMPTY STAGING AREA prior to scanning more empties into this area to avoid overwriting any drums presently in the table.

12. SCAN the EMPTY STAGING AREA location barcode and the barcode label on each container.

13. SCAN the END and YES barcodes.
## ATTACHMENT 2 - TEST EXCEPTION REPORT

**TEST PROCEDURE NO. & SECTION:** HNF-SD-W020-OTP-018, ATTACHMENT 4, SECTIONS 5.1.9, 5.1.10, 5.1.13, 5.2.7, 5.2.12, 5.1.14

**TEST NAME:** COLDRUN - BOP

<table>
<thead>
<tr>
<th>DESCRIPTION OF PROBLEM:</th>
</tr>
</thead>
<tbody>
<tr>
<td>5.1.9, 5.1.10, 5.2.9 _DRUM TARE WEIGHT NOT FILLED IN AT RECEIPT, _&quot;RE&quot; _</td>
</tr>
<tr>
<td>5.1.13, 5.1.14 _CONEXT_USE_CD SET TO WP INSTEAD OF WV FOR ALL DRUMS (LLW AND TRU) AT RECEIPT, _FOR ALL &quot;NO&quot; DRUMS, CONEXT_USE_CD SET TO OD.</td>
</tr>
<tr>
<td>5.2.12 _DRUM TARE WEIGHT NOT FILLED IN AT RECEIPT,</td>
</tr>
</tbody>
</table>

**ORIGINATOR:** Scott Anderson  \( \text{ORG: 32020} \)

**DATE:** 9/5/97

**IMPACT ON TESTING:**

| \( \square \) HOLD FOR RESOLUTION | \( \square \) CONTINUE |

**TEST DIRECTOR:** Scott Anderson  \( \text{DATE: 9/5/97} \)

**DISPOSITION:**

All problems listed above will be retested in Section 5.3 of Attachment 4 by re-receiving the 4 LLW drums and verifying data is correct.

**TEST EXCEPTION CLOSED:**

**TEST ENGINEER:** Jo C. (DATE: 9/9/97)

**TEST DIRECTOR:** Scott Anderson  \( \text{DATE: 9/9/97} \)
## ATTACHMENT 2 - TEST EXCEPTION REPORT

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<th>TEST PROCEDURE NO. &amp; SECTION:</th>
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</thead>
<tbody>
<tr>
<td>HNF-SD-W026-OTP-018 REV0</td>
<td>COLD RUN-BOP</td>
<td>6</td>
</tr>
</tbody>
</table>

### DESCRIPTION OF PROBLEM:
PROCESS AGV SHOWS LOW BATTERY.

### ORIGINATOR:
Scott Anderson

### ORG:
32G20

### DATE:
9/9/97

### IMPACT ON TESTING:
- **HOLD FOR RESOLUTION**
- **CONTINUE**

### TEST DIRECTOR:
Scott Anderson

### TEST DATE:
9/9/97

### DISPOSITION:
AGV CS ALARM IS MISLEADING USE VEHICLE LIGHT FOR ACTVAC INDICATION

### DISPOSITION APPROVED BY:
Scott Anderson

### DISPOSITION AND RETEST REQUIREMENTS COMPLETED BY:
S. Anderson

### DATE:
1/8/98

### DISPOSITION ACTIONS COMPLETE VERIFIED BY:
N/A

### DATE:

### GAE CONCURRENCE WITH DISPOSITION (if required):
N/A

### RETEST COMPLETE VERIFIED BY:
N/A

### DATE:

### TEST EXCEPTION CLOSED:

TEST ENGINEER: Scott Anderson

DATE: 1/9/98

TEST DIRECTOR: Scott Anderson

DATE: 1/9/98
## ATTACHMENT 2 - TEST EXCEPTION REPORT

<table>
<thead>
<tr>
<th>TEST PROCEDURE NO. &amp; SECTION: HNF-SD-W026-OTP-018 REV 0</th>
<th>TEST NAME: COLD RUN-BOP</th>
<th>EXCEPTION TRACKING NUMBER: 7</th>
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</table>

**Description of Problem:**

RTAP Airlock direction button showed fwd but PLC logic was set to reverse. Airlock A direction appears to be reversed daily for no apparent reason.

<table>
<thead>
<tr>
<th>ORIGINATOR: Scott Anderson</th>
<th>ORG: 32020</th>
<th>IMPACT ON TESTING:</th>
</tr>
</thead>
<tbody>
<tr>
<td>DATE: 9/9/97</td>
<td>TEST DIRECTOR: Scott Anderson</td>
<td>DATE: 9/9/97</td>
</tr>
</tbody>
</table>

**Disposition:**

Troubleshoot and change logic to accurately reflect conveyor direction on RTAP and in PLC bits.

**Disposition Approved By:**

TEST ENGINEER

**Disposition and Retest Requirements Completed By:**

Scott Anderson DATE: 10/1/97

**Disposition Actions Complete Verified By:**

Scott Anderson DATE: 10/3/97

**GAE Concurrence with Disposition (if required):**

N/A DATE: 10/3/97

**Retest Complete Verified By:**

Scott Anderson DATE: 10/3/97

**Test Exception Closed:**

TEST ENGINEER: Scott Anderson DATE: 10/3/97

TEST DIRECTOR: Scott Anderson DATE: 10/3/97
### ATTACHMENT 2 – TEST EXCEPTION REPORT

<table>
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</thead>
<tbody>
<tr>
<td></td>
<td>COLD RUN-BOP</td>
<td>8</td>
</tr>
</tbody>
</table>

**DESCRIPTION OF PROBLEM:**

DRUM PIN WAS COST WHEN TRANSFERRED FROM STAGING CONVEYOR TO AGV.

**ORIGINATOR:**

Scott Anderson

**DATE:** 9/9/97

**IMPACT ON TESTING:**

- HOLD FOR RESOLUTION
- CONTINUE

**TEST DIRECTOR:** Scott Anderson  
**DATE:** 9/9/97

**DISPOSITION:** UNABLE TO REPEAT PROBLEM DURING CONTINUED TESTING ON 9/10/97.

**DISPOSITION APPROVED BY:** TEST ENGINEER

**DISPOSITION AND RETEST REQUIREMENTS COMPLETED BY:** Scott Anderson  
**DATE:** 9/10/97

**DISPOSITION ACTIONS COMPLETE VERIFIED BY:** N/A  
**DATE:**

**QA CONCURRENCE WITH DISPOSITION (if required):**

N/A  
**DATE:**

**RETEST COMPLETE VERIFIED BY:** N/A  
**DATE:**

**TEST EXCEPTION CLOSED:**

**TEST ENGINEER:** Scott Anderson  
**DATE:** 9/10/97

**TEST DIRECTOR:** Scott Anderson  
**DATE:** 9/10/97
## ATTACHMENT 2 - TEST EXCEPTION REPORT

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<tbody>
<tr>
<td>HNF-SD-W026-OTP-016 REVO ATTACHMENT 5.2.24</td>
<td>COLD RUN-150P</td>
<td>9</td>
</tr>
</tbody>
</table>

### DESCRIPTION OF PROBLEM:
OTP-COLD-MT-09 SENT TO CT Z01.E. RECEIVED TRANSFER FAIL. CT CONVEYOR DID NOT TURN ON.

### ORIGINATOR:
SCOTT ANDERSON

### ORG:
32620

### DATE:
9/10/97

### IMPACT ON TESTING:
- [ ] HOLD FOR RESOLUTION
- [ ] CONTINUE

### TEST DIRECTOR:
SCOTT ANDERSON

### DATE:
9/10/97

### DISPOSITION:
TROUBLESHOOT AND RETEST.

### DISPOSITION APPROVED BY:
[Signature]

### TEST ENGINEER

### DISPOSITION AND RETEST REQUIREMENTS COMPLETED BY:
SCOTT ANDERSON

### DATE:
9/10/97

### DISPOSITION ACTIONS COMPLETE VERIFIED BY:
[Signature]

### DATE:
9/30/97

### OAE CONCURRENCE WITH DISPOSITION (if required):
N/A

### RETEST COMPLETE VERIFIED BY:
[Signature]

### DATE:
9/30/97

### TEST EXCEPTION CLOSED:

**TEST ENGINEER:** [Signature]  
**DATE:** 9/30/97

**TEST DIRECTOR:** SCOTT ANDERSON  
**DATE:** 9/30/97
# ATTACHMENT 2 - TEST EXCEPTION REPORT

<table>
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<tbody>
<tr>
<td>HNF-SD-W026-OTP-018 REVO</td>
<td>COLD RUN - BOP</td>
<td>10</td>
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<tr>
<td>GENERAL SECTION 5.7.30</td>
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<td></td>
</tr>
</tbody>
</table>

**DESCRIPTION OF PROBLEM:**

- Empty staging conveyor 204.15 is 1/8" higher than AGV roller deck.

**ORIGINATOR:**

Scott Anderson

**ORG:** 32620

**DATE:** 9/10/97

**IMPACT ON TESTING:**

☐ Hold for Resolution ☑ Continue

**TEST DIRECTOR:** Scott Anderson

**DATE:** 9/10/97

**DISPOSITION:**

Generate work package to have conveyor height adjusted. Package # 97-186, 97-201, 94-1118. Job ticket generated on 11/9/98 to remedy problem.

**DISPOSITION APPROVED BY:**

Scott Anderson

**DATE:** 9/10/97

**DISPOSITION AND RETEST REQUIREMENTS COMPLETED BY:**

Scott Anderson

**DATE:** 9/10/97

**DISPOSITION ACTIONS COMPLETE VERIFIED BY:**

Scott Anderson

**DATE:** 11/16/98

**QA CONCURRENCE WITH DISPOSITION (if required):**

N/A

**RETEST COMPLETE VERIFIED BY:**

N/A

**DATE:**

**TEST EXCEPTION CLOSED:**

Test Engineer: Scott Anderson

**DATE:** 11/16/98

Test Director: Scott Anderson

**DATE:** 11/16/98
## ATTACHMENT 2 - TEST EXCEPTION REPORT

<table>
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<th>TEST PROCEDURE NO. &amp; SECTION:</th>
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<tbody>
<tr>
<td>HNF-SD-W026-OTP-016 REV 0</td>
<td>COLD RUN-80P</td>
<td>11</td>
</tr>
</tbody>
</table>

### DESCRIPTION OF PROBLEM:

AGV PDP/PUP DISPLAY ON RTAP FOR AREA 1 IS BLANK. SHOULD SHOW PINS CURRENTLY ON AGV IN AREA 1.

### ORIGINATOR:

Scott Anderson

### ORG:

32620

### DATE:

9/10/97

### IMPACT ON TESTING:

- Hold for resolution
- Continue

### TEST DIRECTOR:

Scott Anderson

### DATE:

9/10/97

### DISPOSITION:

CONTACT VENDOR FOR REPAIR AND RETEST

### DISPOSITION APPROVED BY:

Scott Anderson

### DATE:

9/10/97

### DISPOSITION AND RETEST REQUIREMENTS COMPLETED BY:

Scott Anderson

### DATE:

9/10/97

### OAE CONCURRENCE WITH DISPOSITION (if required):

N/A

### RETEST COMPLETE VERIFIED BY:

Scott Anderson

### DATE:

10/3/97

### TEST EXCEPTION CLOSED:

- TEST ENGINEER: Scott Anderson
- DATE: 10/3/97
- TEST DIRECTOR: Scott Anderson
- DATE: 10/3/97
**ATTACHMENT 2 - TEST EXCEPTION REPORT**

<table>
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<tbody>
<tr>
<td>HNF-SD-W026-0TP-018 REVD</td>
<td>COLD RUN - BOP</td>
<td>12</td>
</tr>
</tbody>
</table>

**DESCRIPTION OF PROBLEM:**

RELEASE AGV BUTTON ON TRU ENTRY OIC IS SENDING 0 RAPID MESSAGES INSTEAD OF 1.

**ORIGINATOR:**

SCOTT ANDERSON

**ORG:** 32GO20

**DATE:** 9/10/97

**IMPACT ON TESTING:**

☑ HOLD FOR RESOLUTION ☑ CONTINUE

**TEST DIRECTOR:** SCOTT ANDERSON

**DATE:** 9/10/97

**DISPOSITION:**

REPAIR CODE AND RETEST.

**DISPOSITION APPROVED BY:**

[Signature] TEST ENGINEER

**DISPOSITION AND RETEST REQUIREMENTS COMPLETED BY:**

SCOTT ANDERSON

**DATE:** 9/10/97

**DISPOSITION ACTIONS COMPLETE VERIFIED BY:**

SCOTT ANDERSON

**DATE:** 1/8/98

**QAE CONCURRENCE WITH DISPOSITION (if required):**

N/A

**DATE:**

**RETEST COMPLETE VERIFIED BY:**

SCOTT ANDERSON

**DATE:** 1/8/98

**TEST EXCEPTION CLOSED:**

**TEST ENGINEER:** [Signature] DATE: 1/8/98

**TEST DIRECTOR:** SCOTT ANDERSON DATE: 1/8/98
## ATTACHMENT 2 - TEST EXCEPTION REPORT

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</thead>
<tbody>
<tr>
<td>HNF-SD-W026-OTP-018 Rev. 1</td>
<td>COLD RUN-BP</td>
<td>13</td>
</tr>
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</table>

### DESCRIPTION OF PROBLEM:

Do not have RTAP indication of OLV AUTO/MAINT mode, and E-stop.

<table>
<thead>
<tr>
<th>ORIGINATOR:</th>
<th>ORG:</th>
<th>IMPACT ON TESTING:</th>
<th>TEST DIRECTOR:</th>
<th>DATE:</th>
</tr>
</thead>
<tbody>
<tr>
<td>S. Anderson</td>
<td>32020</td>
<td></td>
<td>Scott Anderson</td>
<td>9/25/97</td>
</tr>
</tbody>
</table>

### DISPOSITION:

Add indication to RTAP. While this deficiency is an annoyance, it is not necessary for proper operation. Until this indication can be added to RTAP, training will be used to remind operators to verify the status of these two parameters prior to glovebox operation.

**DISPOSITION APPROVED BY:** [Signature]  
**TEST ENGINEER**

### DISPOSITION AND RETEST REQUIREMENTS COMPLETED BY:

<table>
<thead>
<tr>
<th>DISPOSITION ACTIONS COMPLETE VERIFIED BY:</th>
<th>DATE:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Scott Anderson</td>
<td>11/20/98</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>N/A</th>
<th>DATE:</th>
</tr>
</thead>
<tbody>
<tr>
<td>N/A</td>
<td></td>
</tr>
</tbody>
</table>

**OAE CONCURRENCE WITH DISPOSITION (if required):**  

**RETEST COMPLETE VERIFIED BY:**  

<table>
<thead>
<tr>
<th>DATE:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
</tr>
</tbody>
</table>

**TEST EXCEPTION CLOSED:**  

**TEST ENGINEER:** [Signature]  
**DATE:** 1/20/99

**TEST DIRECTOR:** Scott Anderson  
**DATE:** 11/20/98
## ATTACHMENT 2 - TEST EXCEPTION REPORT

<table>
<thead>
<tr>
<th>TEST PROCEDURE NO. &amp; SECTION:</th>
<th>TEST NAME:</th>
<th>EXCEPTION TRACKING NUMBER:</th>
</tr>
</thead>
<tbody>
<tr>
<td>HNF-SD-W026-OTP-018 Rev 0</td>
<td>COLD RUN - BOP</td>
<td>14</td>
</tr>
</tbody>
</table>

### DESCRIPTION OF PROBLEM:

ALL LIFT TABLE LOGIC NEEDS TO BE CHECKED TO ENSURE DRUM DROP-OFF CAN'T OCCUR IF OIV IS IN MAINT MODE. Z01E DID ALLOW DROP-OFF IN MAINT.

### ORIGINATOR:

- **S. ANDERSON**
- **DATE:** 9/28/97

### IMPACT ON TESTING:

- **HOLD FOR RESOLUTION:**
- **CONTINUE:**

### TEST DIRECTOR:

- **S. ANDERSON**
- **DATE:** 9/25/97

### DISPOSITION:

- **CHANGE LOGIC AND RETEST ALL MODIFIED LIFT TABLE PU/DO LOGIC.

### DISPOSITION APPROVED BY:

- **SPA**
- **TEST ENGINEER**

### DISPOSITION AND RETEST REQUIREMENTS COMPLETED BY:

- **S. ANDERSON**
- **DATE:** 1/15/98

### DISPOSITION ACTIONS COMPLETE VERIFIED BY:

- **S. ANDERSON**
- **DATE:** 1/17/98

### QAE CONCURRENCE WITH DISPOSITION (if required):

- **N/A**
- **DATE:**

### RETEST COMPLETE VERIFIED BY:

- **S. ANDERSON**
- **DATE:** 1/15/98

### TEST EXCEPTION CLOSED:

- **TEST ENGINEER:** mes ckm
- **DATE:** 1/13/98
- **TEST DIRECTOR:** S. ANDERSON
- **DATE:** 1/13/98
## ATTACHMENT 2 - TEST EXCEPTION REPORT

<table>
<thead>
<tr>
<th>TEST PROCEDURE NO. &amp; SECTION:</th>
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<th>EXCEPTION TRACKING NUMBER:</th>
</tr>
</thead>
<tbody>
<tr>
<td>HNF-50-W026-OTP-018 REV 0</td>
<td>COLD RUN-BOP</td>
<td>15</td>
</tr>
<tr>
<td>SECTION 5.3.12</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**DESCRIPTION OF PROBLEM:**

Weight at discharge scale was transmitted as $0$ for OTP-COLD-WV-01 and -02.

**ORIGINATOR:** S. ANDERSON  
**ORG:** 32020  
**DATE:** 9/25/97

**IMPACT ON TESTING:**

- [ ] HOLD FOR RESOLUTION  
- [x] CONTINUE

**TEST DIRECTOR:** S. ANDERSON  
**DATE:** 9/25/97

**DISPOSITION:**

TROUBLESHOOT, REPAIR, AND RETEST.

**DISPOSITION APPROVED BY:**  
**DATE:** 9/25/97

**TEST ENGINEER**

**DISPOSITION AND RETEST REQUIREMENTS COMPLETED BY:** S. ANDERSON  
**DATE:** 10/7/97

**DISPOSITION ACTIONS COMPLETE VERIFIED BY:** S. ANDERSON  
**DATE:** 10/7/97

**QAE CONCURRENCE WITH DISPOSITION (if required):** N/A  
**DATE:** 10/7/97

**RETEST COMPLETE VERIFIED BY:** S. ANDERSON  
**DATE:** 10/7/97

**TEST EXCEPTION CLOSED:**  
**TEST ENGINEER:** S. ANDERSON  
**DATE:** 10/7/97

**TEST DIRECTOR:** S. ANDERSON  
**DATE:** 10/7/97
## ATTACHMENT 2 - TEST EXCEPTION REPORT

<table>
<thead>
<tr>
<th>TEST PROCEDURE NO. &amp; SECTION:</th>
<th>TEST NAME:</th>
<th>EXCEPTION TRACKING NUMBER:</th>
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<tbody>
<tr>
<td>HNF-SD-W026-OTP-018 REV 0</td>
<td>COLD RUN-BOP</td>
<td>16</td>
</tr>
</tbody>
</table>

**DESCRIPTION OF PROBLEM:**

On DMSS0455 screen, list of values popup, pin numbers are truncated. No "hold" value is allowed in pass/fail field.

**ORIGINATOR:** S. Anderson  
**DATE:** 9/25/97

**IMPACT ON TESTING:**

- Hold for resolution
- Continue

**TEST DIRECTOR:** S. Anderson  
**DATE:** 9/25/97

**DISPOSITION:**

- Change code to not truncate and add "hold" value.

**DISPOSITION APPROVED BY:**  
**TEST ENGINEER**

**DISPOSITION AND RETEST REQUIREMENTS COMPLETED BY:**

- S. Anderson  
**DATE:** 1/8/98

**DISPOSITION ACTIONS COMPLETE VERIFIED BY:**

- S. Anderson  
**DATE:** 1/8/98

**QAE CONCURRENCE WITH DISPOSITION (if required):**

- N/A  
**DATE:**

**RETEST COMPLETE VERIFIED BY:**

- S. Anderson  
**DATE:** 1/8/98

**TEST EXCEPTION CLOSED:**

- TEST ENGINEER: S. Anderson  
**DATE:** 1/8/98

- TEST DIRECTOR: S. Anderson  
**DATE:** 1/8/98
ATTACHMENT 2 - TEST EXCEPTION REPORT

<table>
<thead>
<tr>
<th>TEST PROCEDURE NO. &amp; SECTION:</th>
<th>TEST NAME:</th>
<th>EXCEPTION TRACKING NUMBER:</th>
</tr>
</thead>
<tbody>
<tr>
<td>HNF-SD-W026-OTP-018 REV</td>
<td>COLDRUN-BOP</td>
<td>17</td>
</tr>
</tbody>
</table>

DESCRIPTION OF PROBLEM:

OPERATIONS NEEDS TO DECIDE WHO WILL PERFORM DM51231. VERIFICATION REVIEW. IF OPERATIONS WILL PERFORM, SIGNATURE PASSWORD WILL NEED TO BE ADDED TO SCREEN, AND OS02 STEPS (SECTION) WILL NEED TO BE ADDED. DM51231 AND 1231 WERE ORIGINALLY DESIGNED TO BE USED BY AN AUTHORIZED SHIPPER, NOT AN OPERATOR.

ORIGINATOR: S. ANDERSON
ORG: 32620
DATE: 9/25/97

IMPACT ON TESTING:

- HOLD FOR RESOLUTION
- CONTINUE

TEST DIRECTOR: Scott Anderson
DATE: 9/25/97

DISPOSITION:

GWAS PERSONNEL WILL OPERATE 1231.

DISPOSITION APPROVED BY: [Signature]
TEST ENGINEER

DISPOSITION AND RETEST REQUIREMENTS COMPLETED BY: Scott Anderson
DATE: 1/8/98

DISPOSITION ACTIONS COMPLETE VERIFIED BY: Scott Anderson
DATE: 1/8/98

OAE CONCURRENCE WITH DISPOSITION (if required):

N/A
DATE:

RETEST COMPLETE VERIFIED BY:

N/A
DATE:

TEST EXCEPTION CLOSED:

TEST ENGINEER: Scott Anderson DATE: 1/8/98

TEST DIRECTOR: Scott Anderson DATE: 1/8/98
### ATTACHMENT 2 - TEST EXCEPTION REPORT

<table>
<thead>
<tr>
<th>TEST PROCEDURE NO. &amp; SECTION:</th>
<th>TEST NAME:</th>
<th>EXCEPTION TRACKING NUMBER:</th>
</tr>
</thead>
<tbody>
<tr>
<td>HNF-SD-W026-OTP-018 Rev0</td>
<td>Cold Run-BOP</td>
<td>18</td>
</tr>
</tbody>
</table>

**DESCRIPTION OF PROBLEM:**

DMSSOGOZ SCREEN REQUIRED A WSRD NUMBER FOR VERIFICATION DRUMS. LOW LEVEL VERIFICATION DRUMS DON'T HAVE A WSRD NUMBER. THEREFORE DRUMS COULD NOT BE SHIPPED.

<table>
<thead>
<tr>
<th>ORIGINATOR:</th>
<th>ORG:</th>
<th>IMPACT ON TESTING:</th>
</tr>
</thead>
<tbody>
<tr>
<td>SCOTT ANDERSON</td>
<td>32620</td>
<td></td>
</tr>
<tr>
<td>DATE: 9/29/97</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**DISPOSITION:**

MAKE WSRD FIELD NOT REQUIRED FOR VERIFICATION DRUMS AND RETEST.

**DISPOSITION APPROVED BY:**

SCOTT ANDERSON

**DATE:** 9/29/97

**TEST ENGINEER**

**DATE:** 9/29/97

**TEST EXCEPTION CLOSED:**

**TEST ENGINEER:**

**DATE:** 9/29/97

**TEST DIRECTOR:**

**DATE:** 9/29/97
ATTACHMENT 2 - TEST EXCEPTION REPORT

<table>
<thead>
<tr>
<th>TEST PROCEDURE NO. &amp; SECTION:</th>
<th>TEST NAME:</th>
<th>EXCEPTION TRACKING NUMBER:</th>
</tr>
</thead>
<tbody>
<tr>
<td>HNF-SD-W026-OTP-018 REV 1</td>
<td>COLD RUN - EOP</td>
<td>19</td>
</tr>
</tbody>
</table>

DESCRIPTION OF PROBLEM:

carousel initialization does not clean up all required status bits.

ORIGINATOR: S. ANDERSON  ORG: 32620

DATE: 10/2/97  IMPACT ON TESTING:  

- HOLD FOR RESOLUTION  - CONTINUE

TEST DIRECTOR: S. ANDERSON  DATE: 10/2/97

DISPOSITION:

MAKE INITIALIZATION MORE ROBUST.

DISPOSITION APPROVED BY: S. ANDERSON  DATE: 10/2/97

TEST ENGINEER

DISPOSITION AND RETEST REQUIREMENTS COMPLETED BY: S. ANDERSON  DATE: 11/8/98

DISPOSITION ACTIONS COMPLETE VERIFIED BY: S. ANDERSON  DATE: 11/8/98

GAE CONCURRENCE WITH DISPOSITION (if required):

N/A  DATE:

RETEST COMPLETE VERIFIED BY:

N/A  DATE:

TEST EXCEPTION CLOSED:

TEST ENGINEER: S. ANDERSON  DATE: 11/8/98

TEST DIRECTOR: S. ANDERSON  DATE: 11/8/98
### ATTACHMENT 2 - TEST EXCEPTION REPORT

<table>
<thead>
<tr>
<th>TEST PROCEDURE NO. &amp; SECTION:</th>
<th>TEST NAME:</th>
<th>EXCEPTION TRACKING NUMBER:</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>HNF-SD-W026-OTP-018 REV 0</strong></td>
<td><strong>COLD RUN- BOP</strong></td>
<td>20</td>
</tr>
</tbody>
</table>

**DESCRIPTION OF PROBLEM:**
Upon powerup, Process AGV immediately turns sharply and trips the front bumper on HVAC duct next to charger.

<table>
<thead>
<tr>
<th>ORIGINATOR:</th>
<th>ORG: 32020</th>
<th>IMPACT ON TESTING:</th>
</tr>
</thead>
<tbody>
<tr>
<td>S. ANDERSON</td>
<td>DATE: 10/3/97</td>
<td>[] HOLD FOR RESOLUTION</td>
</tr>
<tr>
<td></td>
<td></td>
<td>[X CONTINUE]</td>
</tr>
</tbody>
</table>

**DISPOSITION:**
Contact vendor to TIS code and remove/replace bad code. Reflector location is problem. Move reflector.

Package # 98-007 was generated to move reflector. Work to close item will be tracked via above package #.

**DISPOSITION APPROVED BY:**
S. ANDERSON

**DISPOSITION AND RETEST REQUIREMENTS COMPLETED BY:**
S. ANDERSON
DATE: 2/2/98

**DISPOSITION ACTIONS COMPLETE VERIFIED BY:**
N/A

**GAE CONCURRENCE WITH DISPOSITION (if required):**
N/A
DATE: 2/2/98

**RETEST COMPLETE VERIFIED BY:**
N/A
DATE: 2/2/98

**TEST EXCEPTION CLOSED:**

**TEST ENGINEER:**
S. ANDERSON
DATE: 2/2/98

**TEST DIRECTOR:**
S. ANDERSON
DATE: 2/2/98
## ATTACHMENT 2 - TEST EXCEPTION REPORT

<table>
<thead>
<tr>
<th>TEST PROCEDURE NO. &amp; SECTION:</th>
<th>TEST NAME:</th>
<th>EXCEPTION TRACKING NUMBER:</th>
</tr>
</thead>
<tbody>
<tr>
<td>HNF-SD-W026-OTP-018 REV1</td>
<td>COLD RUN - BOP</td>
<td>21</td>
</tr>
<tr>
<td>SECTION 5.5.3</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### DESCRIPTION OF PROBLEM:

Fixed Scanner at Infeed Conveyor had communications failure with RB Module in CCO 103.

### ORIGINATOR:

S. Anderson  
DATE: 10/3/97

### IMPACT ON TESTING:

- [ ] HOLD FOR RESOLUTION  
- [x] CONTINUE

### TEST DIRECTOR:

S. Anderson  
DATE: 10/3/97

### DISPOSITION:

Put in place code change to repair communications.

### DISPOSITION APPROVED BY:

TEST ENGINEER

### DISPOSITION AND RETEST REQUIREMENTS COMPLETED BY:

DATE:  

### DISPOSITION ACTIONS COMPLETE VERIFIED BY:

DATE:  

### QA CONCURRENCE WITH DISPOSITION (if required):

DATE:  

### RETEST COMPLETE VERIFIED BY:

DATE:  

### TEST EXCEPTION CLOSED:

TEST ENGINEER:  
DATE:  

TEST DIRECTOR:  
DATE:  
## ATTACHMENT 2 - TEST EXCEPTION REPORT

<table>
<thead>
<tr>
<th>TEST PROCEDURE NO. &amp; SECTION:</th>
<th>TEST NAME:</th>
<th>EXCEPTION TRACKING NUMBER:</th>
</tr>
</thead>
<tbody>
<tr>
<td>HANF-SD-W026-OTP-018 REV 1</td>
<td>COLD RUN - Bop</td>
<td>Z2</td>
</tr>
</tbody>
</table>

**DESCRIPTION OF PROBLEM:**
- Carousel fails to initialize consistently. Carousel display does not display pins correctly.

**ORIGINATOR:**
- S. Anderson
- Date: 10/3/97

**DATE:**
- ORG: 32620
- IMPACT ON TESTING: [ ] HOLD FOR RESOLUTION   [ ] CONTINUE
- TEST DIRECTOR: Scott Anderson
- Date: 10/3/97

**DISPOSITION:**
- Add RTAP display showing all pins currently in carousel database. TIS and repair all 500 initialization sequence.

**DISPOSITION APPROVED BY:**
- Scott Anderson
- Date: 1/6/98

**DISPOSITION AND RETEST REQUIREMENTS COMPLETED BY:**
- Scott Anderson
- Date: 1/6/98

**DISPOSITION ACTIONS COMPLETE VERIFIED BY:**
- Scott Anderson
- Date: 1/6/98

**QAE CONCURRENCE WITH DISPOSITION (IF REQUIRED):**
- N/A
- Date: 

**RETEST COMPLETE VERIFIED BY:**
- N/A
- Date: 

**TEST EXCEPTION CLOSED:**
- TEST ENGINEER: [Signature]
- Date: 1/8/98

- TEST DIRECTOR: Scott Anderson
- Date: 1/8/98
## ATTACHMENT 2 - TEST EXCEPTION REPORT

<table>
<thead>
<tr>
<th>TEST PROCEDURE NO. &amp; SECTION:</th>
<th>TEST NAME:</th>
<th>EXCEPTION TRACKING NUMBER:</th>
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</thead>
<tbody>
<tr>
<td>HNF-SD-W026-0TP-018 REV1</td>
<td>Cold Run - BOP</td>
<td>23</td>
</tr>
</tbody>
</table>

**DESCRIPTION OF PROBLEM:**

AND/INA CAROUSEL FAILS TO INITIALIZE CONSISTENTLY. CAROUSEL DISPLAY DOES NOT DISPLAY PINS CORRECTLY. CAROUSEL FREQUENTLY GOES INTO TROUBLE EVEN WITH NO ACTIVITY. CAROUSEL/SCANNER FAILED ENTIRELY.

**ORIGINATOR:**

S. ANDERSON

**ORG:**

32620

**DATE:**

10/3/97

**IMPACT ON TESTING:**

SPA 10/15/97

**TEST DIRECTOR:**

S. ANDERSON

**DATE:**

10/3/97

**DISPOSITION:**

ADD RTAP DISPLAY SHOWING ALL PINS CORRECTLY IN CAROUSEL DATABASE. T/S AND REPAIR SLC 500 INITIALIZATION SEQUENCE.

**DISPOSITION APPROVED BY:**

S. ANDERSON

**TEST ENGINEER**

**DATE:**

11/4/98

**DISPOSITION AND RETEST REQUIREMENTS COMPLETED BY:**

S. ANDERSON

**DATE:**

11/4/98

**DISPOSITION ACTIONS COMPLETE VERIFIED BY:**

S. ANDERSON

**DATE:**

11/4/98

**QAE CONCURRENCE WITH DISPOSITION (if required):**

N/A

**DATE:**

11/4/98

**RETEST COMPLETE VERIFIED BY:**

S. ANDERSON

**DATE:**

11/4/98

**TEST EXCEPTION CLOSED:**

**TEST ENGINEER:**

S. ANDERSON

**DATE:**

11/4/98

**TEST DIRECTOR:**

S. ANDERSON

**DATE:**

11/4/98
# ATTACHMENT 2 - TEST EXCEPTION REPORT

<table>
<thead>
<tr>
<th>TEST PROCEDURE NO. &amp; SECTION:</th>
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<tbody>
<tr>
<td>HNF-SD-W026-OTP-018 REV 1</td>
</tr>
<tr>
<td>SECTION 5.5.37</td>
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</table>

<table>
<thead>
<tr>
<th>TEST NAME:</th>
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<tbody>
<tr>
<td>COLD RUN-BOP</td>
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</table>

<table>
<thead>
<tr>
<th>EXCEPTION TRACKING NUMBER:</th>
</tr>
</thead>
<tbody>
<tr>
<td>24</td>
</tr>
</tbody>
</table>

## DESCRIPTION OF PROBLEM:

Current pin data in AGV popup on RTAP is truncated.

## ORIGINATOR:

S. Anderson  
Date: 10/3/97

## Impact on Testing:

- Hold for Resolution  
- Continue

## Test Director:

Scott Anderson  
Date: 10/3/97

## Disposition:

Fix so pin is not truncated.

## Disposition Approved By:

Test Engineer

## Disposition and Retest Requirements Completed By:

Scott Anderson  
Date: 11/3/98

## QAE Concurrence with Disposition (if required):

N/A  
Date:  

## Retest Complete Verified By:

Scott Anderson  
Date: 11/8/98

## Test Exception Closed:

Test Engineer: Scott Anderson  
Date: 11/3/98

Test Director: Scott Anderson  
Date: 11/8/98
ATTACHMENT 2 - TEST EXCEPTION REPORT

<table>
<thead>
<tr>
<th>TEST PROCEDURE NO. &amp; SECTION:</th>
<th>TEST NAME:</th>
<th>EXCEPTION TRACKING NUMBER:</th>
</tr>
</thead>
<tbody>
<tr>
<td>HNF-SD-W026-OTP-018 REV O</td>
<td>COLD RUN-BOP</td>
<td>Z5</td>
</tr>
<tr>
<td>Sections S43-S45, S48-S48.18</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**DESCRIPTION OF PROBLEM:**
Communications between SIE and DMS are down. Pajarito and Hanford Network Support are troubleshooting the problem but as yet have not located it.

**ORIGINATOR:**
S. Anderson

**DATE:** 10/6/97

**ORG:** S2620

**IMPACT ON TESTING:**
- [ ] HOLD FOR RESOLUTION
- [x] CONTINUE

**TEST DIRECTOR:**
S. Anderson

**DATE:** 10/6/97

**DISPOSITION:** In lieu of running QC, background, OTP-COLD-WV-03, and OTP-COLD-WV-04 drums in auto mode, run one drum through NDE, IPAN, and GEA in full manual to demonstrate XRAY/ASSAY capability. Because data is not in DMS, verification paperwork/data review cannot be completed. Shipping is done in order to perform DMS/SWITS data review which cannot be completed either. DM550203 created to allow manual ops.

**DISPOSITION APPROVED BY:**

**TEST ENGINEER**

**DISPOSITION AND RETEST REQUIREMENTS COMPLETED BY:**
S. Anderson

**DATE:** 1/8/98

**GAE CONCURRENCE WITH DISPOSITION (if required):**
N/A

**RETEST COMPLETE VERIFIED BY:**
S. Anderson

**DATE:** 1/8/98

**TEST EXCEPTION CLOSED:**

**TEST ENGINEER:**
S. Anderson

**DATE:** 1/8/98

**TEST DIRECTOR:**
S. Anderson

**DATE:** 1/8/98
ATTACHMENT 2 - TEST EXCEPTION REPORT

TEST PROCEDURE NO. & SECTION: HNF-SD-W026-OTP-018 RevD
SECTION 5.4.19 5.4.23
TEST NAME: COLD RUN-Bop
EXCEPTION TRACKING NUMBER: Z0

DESCRIPTION OF PROBLEM:
DEFICIENCIES FOUND DURING PM - PUT ASRS OUT OF SERVICE.

ORIGINATOR: S. ANDERSON
ORG: 32620
DATE: 10/6/97

IMPACT ON TESTING:
☐ HOLD FOR RESOLUTION □ CONTINUE
TEST DIRECTOR: Scott Anderson
DATE: 10/6/97

DISPOSITION:
ASRS FUNCTIONALITY HAS BEEN TESTED EXHAUSTIVELY. NO NEED TO RETEST.

DISPOSITION APPROVED BY: TEST ENGINEER

DISPOSITION AND RETEST REQUIREMENTS COMPLETED BY:
Scott Anderson
DATE: 1/11/97

DISPOSITION ACTIONS COMPLETE VERIFIED BY: N/A
DATE:

GAE CONCURRENCE WITH DISPOSITION (if required):
N/A
DATE:

RETEST COMPLETE VERIFIED BY: N/A
DATE:

TEST EXCEPTION CLOSED:
TEST ENGINEER: Scott Anderson
DATE: 1/11/97
TEST DIRECTOR: Scott Anderson
DATE: 1/11/97
### ATTACHMENT 2 - TEST EXCEPTION REPORT

**TEST PROCEDURE NO. & SECTION:**

**HNF-SD-W026-OTP-018 REV 1**

**SECTION 5.9.1**

**TEST NAME:**

COLD RUN-BOP

**EXCEPTION TRACKING NUMBER:**

27

**DESCRIPTION OF PROBLEM:**

MESSAGES FOR PICKUP/DROP OFF OF DRUMS AT LIFT TABLES SHOULD NOT BE SENT UNLESS GB IS NOT E-STOPPED AND O10 IS # IN AUTO MODE.

**ORIGINATOR:**

S. ANDERSON

**DATE:**

10/7/97

**ORG:**

32620

**IMPACT ON TESTING:**

☐ HOLD FOR RESOLUTION ☒ CONTINUE

**TEST DIRECTOR:**

S. ANDERSON

**DATE:**

10/7/97

**DISPOSITION:**

ADD INSTRUCTIONS TO RUN CODE AND RETEST.

**DISPOSITION APPROVED BY:**

TEST ENGINEER

**DISPOSITION AND RETEST REQUIREMENTS COMPLETED BY:**

**DATE:**

**DISPOSITION ACTIONS COMPLETE VERIFIED BY:**

**DATE:**

**QA CONCURRENCE WITH DISPOSITION (if required):**

**DATE:**

**RETEST COMPLETE VERIFIED BY:**

**DATE:**

**TEST EXCEPTION CLOSED:**

**TEST ENGINEER:**

DATE:

**TEST DIRECTOR:**

DATE:
**ATTACHMENT 2 – TEST EXCEPTION REPORT**

<table>
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<tr>
<th>TEST PROCEDURE NO. &amp; SECTION:</th>
<th>TEST NAME:</th>
<th>EXCEPTION TRACKING NUMBER:</th>
</tr>
</thead>
<tbody>
<tr>
<td>HNF-SD-WO26-OTF-018, REV 1</td>
<td>Cold Run - BOP</td>
<td>28</td>
</tr>
</tbody>
</table>

**DESCRIPTION OF PROBLEM:**

MULTIPLE "DRUM READY FOR PICKUP" BUTTON (CON) PUSHES GENERATE MULTIPLE PICKUPS.

<table>
<thead>
<tr>
<th>ORIGINATOR:</th>
<th>ORG:</th>
<th>IMPACT ON TESTING:</th>
</tr>
</thead>
<tbody>
<tr>
<td>S. ANDERSON</td>
<td>32620</td>
<td>☑ HOLD FOR RESOLUTION ☑ CONTINUE</td>
</tr>
</tbody>
</table>

**DATE:** 10/7/97  
**TEST DIRECTOR:** S. ANDERSON  
**DATE:** 10/7/97

**DISPOSITION:**

CHANGE LOGIC TO ONLY ALLOW ONE PICKUP.

**DISPOSITION APPROVED BY:**  
TEST ENGINEER

**DISPOSITION AND RETEST REQUIREMENTS COMPLETED BY:**  
S. ANDERSON  
**DATE:** 11/8/98

**DISPOSITION ACTIONS COMPLETE VERIFIED BY:**  
S. ANDERSON  
**DATE:** 11/8/98

**QAE CONCURRENCE WITH DISPOSITION (if required):**  
N/A  
**DATE:**

**RETEST COMPLETE VERIFIED BY:**  
S. ANDERSON  
**DATE:** 11/8/98

**TEST EXCEPTION CLOSED:**

**TEST ENGINEER:**  
**DATE:** 11/8/98  
**TEST DIRECTOR:** S. ANDERSON  
**DATE:** 11/8/98
## ATTACHMENT 2 - TEST EXCEPTION REPORT

<table>
<thead>
<tr>
<th>Test Procedure No. &amp; Section:</th>
<th>Test Name:</th>
<th>Exception Tracking Number:</th>
</tr>
</thead>
<tbody>
<tr>
<td>HNF-SD-W026-OTP-018 REV1 SECTION 5.9.6</td>
<td>COLD RUN - BOP</td>
<td>29</td>
</tr>
</tbody>
</table>

### DESCRIPTION OF PROBLEM:

TWO ALARM ENTRIES (STATUS AND ALARMS) ON RTAP FOR A SINGLE DUS ALARM.

### ORIGINATOR:

S. ANDERSON

### DATE:

10/8/97

### IMPACT ON TESTING:

☐ HOLD FOR RESOLUTION  ☑ CONTINUE

### TEST DIRECTOR:

S. ANDERSON

### DATE:

10/8/97

### DISPOSITION:

CHANGE CODE AND RETEST.

### DISPOSITION APPROVED BY:

TEST ENGINEER

### DISPOSITION AND RETEST REQUIREMENTS COMPLETED BY:

DATE: ________________________

### DISPOSITION ACTIONS COMPLETE VERIFIED BY:

DATE: ________________________

### QAE CONCURRENCE WITH DISPOSITION (if required):

DATE: ________________________

### RETEST COMPLETE VERIFIED BY:

DATE: ________________________

### TEST EXCEPTION CLOSED:

TEST ENGINEER: ________________________  DATE: ________________________

TEST DIRECTOR: ________________________  DATE: ________________________
**ATTACHMENT 2 - TEST EXCEPTION REPORT**

<table>
<thead>
<tr>
<th>TEST PROCEDURE NO. &amp; SECTION: HNF-SD-W026-OTR-018 REV 1</th>
<th>TEST NAME: COLD RUN - Bop</th>
<th>EXCEPTION TRACKING NUMBER: 30</th>
</tr>
</thead>
<tbody>
<tr>
<td>SECTION 5.9.5, 5.10.4</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**DESCRIPTION OF PROBLEM:**

WHEN TRU TRANSFER DRUM SWING FROM TRU RUM BOX TO CAROUSEL, AN EXTRA PICKUP/DROP OFF COMMAND IS SENT. ALSO TRUE FOR LLW/RUM BOX.

**ORIGINATOR:**

S. ANDERSON

**ORG:** 82620

**DATE:** 10/19/97

**DISPOSITION:**

CHANGE CODE AND RETEST IF APPROPRIATE.

**DISPOSITION APPROVED BY:**

TEST ENGINEER

**DISPOSITION AND RETEST REQUIREMENTS COMPLETED BY:**

Scott Anderson DATE: 1/8/98

**DISPOSITION ACTIONS COMPLETE VERIFIED BY:**

Scott Anderson DATE: 1/8/98

**QA CONCURRENCE WITH DISPOSITION (if required):**

W/AA DATE: 1/8/98

**RETEST COMPLETE VERIFIED BY:**

Scott Anderson DATE: 1/8/98

**TEST EXCEPTION CLOSED:**

TEST ENGINEER: Scott Anderson DATE: 1/8/98

TEST DIRECTOR: Scott Anderson DATE: 1/8/98
## ATTACHMENT 2 - TEST EXCEPTION REPORT

<table>
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<tr>
<th>TEST PROCEDURE NO. &amp; SECTION: HNF-SD-W026-OTP-018 REV</th>
<th>TEST NAME: COLD RUN-Bop</th>
<th>EXCEPTION TRACKING NUMBER: 31</th>
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</thead>
<tbody>
<tr>
<td>SECTION 5.10.4</td>
<td></td>
<td></td>
</tr>
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</table>

**DESCRIPTION OF PROBLEM:**
TD-01, when sent to CT-201F, travels to center of lift table instead of staying at AGV end just after making photo eye. Transfer fail alarm received.

<table>
<thead>
<tr>
<th>ORIGINATOR: S. ANDERSON</th>
<th>ORG: 32620</th>
<th>IMPACT ON TESTING:</th>
</tr>
</thead>
</table>

| DATE: 10/9/97 | TEST DIRECTOR: S. ANDERSON | DATE: 10/9/97 |

**DISPOSITION:**
CHANGE CODE AND RETEST. PHOTO EYE REQUIRES ADJUSTMENT. SEE ETR # 45

<table>
<thead>
<tr>
<th>DISPOSITION APPROVED BY: TEST ENGINEER</th>
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<th>DATE: 1/8/98</th>
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**TEST EXCEPTION CLOSED:**

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<th>DATE: 1/8/98</th>
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<th>TEST NAME:</th>
<th>EXCEPTION TRACKING NUMBER:</th>
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</thead>
<tbody>
<tr>
<td>HNF-SD-W026-OTP-01B REV'</td>
<td>COLD RUN-BOP</td>
<td>32</td>
</tr>
</tbody>
</table>

### DESCRIPTION OF PROBLEM:

DID NOT ABORT BWAS MESSAGE WAS INCORRECT.

### ORIGINATOR:

Scott Anderson  
DATE: 10/9/97

### IMPACT ON TESTING:

- [ ] HOLD FOR RESOLUTION
- [x] CONTINUE

### TEST ENGINEER

DISPOSITION:

MODIFY NETCOM AND RETEST.

### TEST EXCEPTION CLOSED:

TEST ENGINEER: ___________________________  DATE: ____________

TEST DIRECTOR: ___________________________  DATE: ____________
## ATTACHMENT 2 - TEST EXCEPTION REPORT

<table>
<thead>
<tr>
<th>TEST PROCEDURE NO. &amp; SECTION:</th>
<th>TEST NAME:</th>
<th>EXCEPTION TRACKING NUMBER:</th>
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</thead>
<tbody>
<tr>
<td>HNF-SD-W026-OTP-018 REV</td>
<td>COLD RUN-BOP</td>
<td>33</td>
</tr>
</tbody>
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<table>
<thead>
<tr>
<th>DESCRIPTION OF PROBLEM:</th>
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<tbody>
<tr>
<td>H6V CS DID NOT ABORT.</td>
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### ORIGINATOR:

<table>
<thead>
<tr>
<th>ORG:</th>
<th>32620</th>
</tr>
</thead>
<tbody>
<tr>
<td>NAME:</td>
<td>S. ANDERSON</td>
</tr>
<tr>
<td>DATE:</td>
<td>10/9/97</td>
</tr>
</tbody>
</table>

### TEST DIRECTOR:

| NAME: | S. ANDERSON |
| DATE: | 10/9/97 |

### DISPOSITION:

- TESTS AND RETEST

### DISPOSITION APPROVED BY:

| NAME: | TEST ENGINEER |
| DATE: |               |

### DISPOSITION AND RETEST REQUIREMENTS COMPLETED BY:

| NAME: | 2/1/98 |
| DATE: |       |

### DISPOSITION ACTIONS COMPLETE VERIFIED BY:

| NAME: | 2/1/98 |
| DATE: |       |

### QAE CONCURRENCE WITH DISPOSITION (if required):

| NAME: | N/A |
| DATE: |     |

### RETEST COMPLETE VERIFIED BY:

| NAME: | 2/1/98 |
| DATE: |       |

### TEST EXCEPTION CLOSED:

- TEST ENGINEER: S. ANDERSON | DATE: 2/1/98
- TEST DIRECTOR: S. ANDERSON | DATE: 2/1/98
## ATTACHMENT 2 - TEST EXCEPTION REPORT

<table>
<thead>
<tr>
<th>TEST PROCEDURE NO. &amp; SECTION:</th>
<th>TEST NAME:</th>
<th>EXCEPTION TRACKING NUMBER:</th>
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</thead>
<tbody>
<tr>
<td>HNF-SD-W026-OTP-018 REV</td>
<td>COLD RUN-BOP</td>
<td>34</td>
</tr>
</tbody>
</table>

### DESCRIPTION OF PROBLEM:

LIFT TABLE NOT DISABLED AFTER PV FGE LIMIT EXCEEDED ALARM IS RECEIVED.

### ORIGINATOR:

S. ANDERSON  DATE: 10/9/77

### DISPOSITION:

OPERATIONS TO DETERMINE SCOPE OF LOCKOUT FOR THIS ALARM. CURRENT OPERATION IS PER DESIGN.

### DISPOSITION APPROVED BY:

TEST ENGINEER

### TEST EXCEPTION CLOSED:

TEST ENGINEER:  DATE:  1/8/78

TEST DIRECTOR:  DATE:  1/8/78
## ATTACHMENT 2 - TEST EXCEPTION REPORT

<table>
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<th>TEST PROCEDURE NO. &amp; SECTION:</th>
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<th>EXCEPTION TRACKING NUMBER:</th>
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<tbody>
<tr>
<td>HNF-SD-W026-OTP-018 REV 1</td>
<td>COLD RUN - BOP</td>
<td>35</td>
</tr>
</tbody>
</table>

| DESCRIPTION OF PROBLEM: | AGV CS HAS NO DISPLAY FOR THE AIRLOCK DIRECTION STATUS. |

<table>
<thead>
<tr>
<th>ORIGINATOR:</th>
<th>ORG:</th>
<th>IMPACT ON TESTING:</th>
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<tbody>
<tr>
<td>S. ANDERSON</td>
<td>32620</td>
<td></td>
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<table>
<thead>
<tr>
<th>DATE:</th>
<th>TEST DIRECTOR:</th>
</tr>
</thead>
<tbody>
<tr>
<td>10/13/97</td>
<td>S. ANDERSON</td>
</tr>
</tbody>
</table>

| DISPOSITION: | ADD STATUS TO AGV CS. |

<table>
<thead>
<tr>
<th>DISPOSITION APPROVED BY:</th>
<th>TEST ENGINEER</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>S. ANDERSON</td>
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<tr>
<th>DISPOSITION AND RETEST REQUIREMENTS COMPLETED BY:</th>
<th>DISPOSITION ACTIONS COMPLETE VERIFIED BY:</th>
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<tbody>
<tr>
<td>S. ANDERSON</td>
<td>1/2/98</td>
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<table>
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<tr>
<th>QAEl CONCURRENCE WITH DISPOSITION (if required):</th>
<th>RETEST COMPLETE VERIFIED BY:</th>
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<tr>
<td>N/A</td>
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<tr>
<td>1/2/98</td>
<td>TEST ENGINEER: S. ANDERSON</td>
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<table>
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<tr>
<th>TEST DIRECTOR:</th>
<th>DATE:</th>
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<tbody>
<tr>
<td>S. ANDERSON</td>
<td>1/2/98</td>
</tr>
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</table>
**ATTACHMENT 2 - TEST EXCEPTION REPORT**

<table>
<thead>
<tr>
<th>TEST PROCEDURE NO. &amp; SECTION:</th>
<th>TEST NAME:</th>
<th>EXCEPTION TRACKING NUMBER:</th>
</tr>
</thead>
<tbody>
<tr>
<td>HNF-SD-W026-CPRD08 REV 1</td>
<td>Cold Run-BOP</td>
<td>36</td>
</tr>
<tr>
<td>SECTION 5.9.11</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**DESCRIPTION OF PROBLEM:**

No display for whether AGV is enabled/disabled from PUFGE alarm on CS. Also, floor operator has no indication of the disable.

**ORIGINATOR:**

S. ANDERSON

**DATE:** 10/13/97

**ORG:** 32620

**IMPACT ON TESTING:**

☐ HOLD FOR RESOLUTION ☐ CONTINUE

**TEST DIRECTOR:** Scott Anderson

**DATE:** 10/13/97

**DISPOSITION:**

ADD INDICATION ON AGV CS.

**DISPOSITION APPROVED BY:**

[Signature]

TEST ENGINEER

**DISPOSITION AND RETEST REQUIREMENTS COMPLETED BY:**

Scott Anderson

**DATE:** 2/1/98

**DISPOSITION ACTIONS COMPLETE VERIFIED BY:**

Scott Anderson

**DATE:** 2/1/98

**OAE CONCURRENCE WITH DISPOSITION (if required):**

N/A

**DATE:**

**RETEST COMPLETE VERIFIED BY:**

Scott Anderson

**DATE:** 2/1/98

**TEST EXCEPTION CLOSED:**

**TEST ENGINEER:** Scott Anderson

**DATE:** 2/1/98

**TEST DIRECTOR:** Scott Anderson

**DATE:** 2/1/98
## ATTACHMENT 2 - TEST EXCEPTION REPORT

<table>
<thead>
<tr>
<th>TEST PROCEDURE NO. &amp; SECTION:</th>
<th>TEST NAME:</th>
<th>EXCEPTION TRACKING NUMBER:</th>
</tr>
</thead>
<tbody>
<tr>
<td>HNF-SD-W026-OTP-018 REV1</td>
<td>5 COLD RUN-EOP</td>
<td>37</td>
</tr>
</tbody>
</table>

**DESCRIPTION OF PROBLEM:**

No way to issue pickup at staging conveyors using AGU CS; TRU-GENEXT not available on pull down menus.

<table>
<thead>
<tr>
<th>ORIGINATOR:</th>
<th>ORG:</th>
<th>IMPACT ON TESTING:</th>
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<tbody>
<tr>
<td>S. Anderson</td>
<td>32620</td>
<td></td>
</tr>
<tr>
<td>DATE:</td>
<td>10/13/97</td>
<td></td>
</tr>
</tbody>
</table>

**DISPOSITION:**

Add pull down option for TRU-GENEXT.

**DISPOSITION APPROVED BY:**

[Signature]

TEST ENGINEER

<table>
<thead>
<tr>
<th>DISPOSITION AND RETEST REQUIREMENTS COMPLETED BY:</th>
<th>DISPOSITION ACTIONS COMPLETE VERIFIED BY:</th>
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</thead>
<tbody>
<tr>
<td>S. Anderson</td>
<td>DATE:</td>
</tr>
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**QAE CONCURRENCE WITH DISPOSITION (if required):**

N/A

DATE: 

**RETEST COMPLETE VERIFIED BY:**

Scott Anderson

DATE: 1/2/98

**TEST EXCEPTION CLOSED:**

TEST ENGINEER: Scott Anderson

DATE: 1/2/98

TEST DIRECTOR: Scott Anderson

DATE: 1/2/98
## ATTACHMENT 2 - TEST EXCEPTION REPORT

<table>
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<tr>
<th>Test Procedure No. &amp; Section:</th>
<th>Test Name:</th>
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<tr>
<td>HNF-SD-W026-0TP-018 Rev. 1</td>
<td>COLD RUN - BOP</td>
<td>38</td>
</tr>
</tbody>
</table>

### Description of Problem:

*No way to issue pickup/dropoff requests in AGV CS.*

<table>
<thead>
<tr>
<th>Originator:</th>
<th>Org:</th>
</tr>
</thead>
<tbody>
<tr>
<td>S. Anderson</td>
<td>32620</td>
</tr>
</tbody>
</table>

**Impact on Testing:**

- [ ] Hold for resolution
- [x] Continue

**Test Director:**

- Date:

**Disposition:**

*Modify AGV CS and retest.*

**Disposition Approved By:**

- Test Engineer

**Disposition and Retest Requirements Completed By:**

- Scott Anderson
- Date: 2/1/98

**QA Concurrence with Disposition (if required):**

- N/A

**Disposition Actions Complete Verified By:**

- Scott Anderson
- Date: 2/1/98

**Retest Complete Verified By:**

- Scott Anderson
- Date: 2/1/98

**Test Exception Closed:**

- Test Engineer: Scott Anderson
- Date: 2/1/98

- Test Director: Scott Anderson
- Date: 2/1/98
## ATTACHMENT 2 - TEST EXCEPTION REPORT

<table>
<thead>
<tr>
<th>TEST PROCEDURE NO. &amp; SECTION:</th>
<th>TEST NAME:</th>
<th>EXCEPTION TRACKING NUMBER:</th>
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</thead>
<tbody>
<tr>
<td>HNF-SD-WO26-0TP-018 REV 1</td>
<td>COLD RUN - BOP</td>
<td>39</td>
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</table>

**DESCRIPTION OF PROBLEM:**

DMSS0335. SCREEN DOES NOT REFRESH DRUM DATA WHEN PIN IS CHANGED MANUALLY.

<table>
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<tr>
<th>ORIGINATOR:</th>
<th>ORG:</th>
<th>IMPACT ON TESTING:</th>
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<tbody>
<tr>
<td>S. ANDERSON</td>
<td>32G20</td>
<td>[ ] HOLD FOR RESOLUTION [ ] CONTINUE</td>
</tr>
</tbody>
</table>

**DISPOSITION:**

MODIFY SCREEN AND RETEST.

**DISPOSITION APPROVED BY:**

[Signature]

TEST ENGINEER

**DISPOSITION AND RETEST REQUIREMENTS COMPLETED BY:**

S. ANDERSON

DATE: 10/13/97

**DISPOSITION ACTIONS COMPLETE VERIFIED BY:**

[Signature]

DATE: 10/31/97

**OAE CONCURRENCE WITH DISPOSITION (if required):**

N/A

**RETEST COMPLETE VERIFIED BY:**

[Signature]

DATE: 10/31/97

TEST EXCEPTION CLOSED:

**TEST ENGINEER:**

[Signature]

DATE: 10/31/97

**TEST DIRECTOR:**

S. ANDERSON

DATE: 11/8/97
## ATTACHMENT 2 - TEST EXCEPTION REPORT

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<tr>
<td>HNF-SD-W026-0TR-018 REV 1 SECTION 5.8.45</td>
<td>COLD RUN - BOP</td>
<td>40</td>
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### DESCRIPTION OF PROBLEM:

DRUM PIN FOR MT-03 AND MT-06 WERE INCORRECTLY TRANSFERRED.

### ORIGINATOR:

S. ANDERSON

<table>
<thead>
<tr>
<th>ORG: 32620</th>
<th>DATE: 10/14/97</th>
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</thead>
</table>

### IMPACT ON TESTING:

- [X] HOLD FOR RESOLUTION
- [ ] CONTINUE

### TEST DIRECTOR:

S. ANDERSON

<table>
<thead>
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<th>DATE: 10/14/97</th>
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### DISPOSITION:

INITIALIZE AND RETEST.

### DISPOSITION APPROVED BY:

S. ANDERSON

TEST ENGINEER

### DISPOSITION AND RETEST REQUIREMENTS COMPLETED BY:

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### TEST EXCEPTION CLOSED:

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<table>
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<th>EXCEPTION TRACKING NUMBER:</th>
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<tbody>
<tr>
<td>HAF-SD-W026-OTP-018 REV 1</td>
<td>COLD RUN - BOP</td>
<td>4</td>
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</table>

### DESCRIPTION OF PROBLEM:

WEIGHT SCALES A & B AT AIRLOCK, OR RS WEIGHT CALCS NOT WORKING CORRECTLY.

<table>
<thead>
<tr>
<th>ORIGINATOR:</th>
<th>ORG:</th>
<th>IMPACT ON TESTING:</th>
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</thead>
<tbody>
<tr>
<td>S. ANDERSON</td>
<td>32620</td>
<td>Hold for Resolution Continue</td>
</tr>
</tbody>
</table>

**TEST DIRECTOR:** Scott Anderson  
**DATE:** 10/14/97

### DISPOSITION:

TROUBLE SHOOT AND RETEST.

**DISPOSITION APPROVED BY:**  
**TEST ENGINEER**

**DISPOSITION AND RETEST REQUIREMENTS COMPLETED BY:** Scott Anderson  
**DATE:** 1/16/98

**DISPOSITION ACTIONS COMPLETE VERIFIED BY:** Scott Anderson  
**DATE:** 1/16/98

**GAE CONCURRENCE WITH DISPOSITION (if required):** N/A  
**DATE:**

**RETEST COMPLETE VERIFIED BY:** Scott Anderson  
**DATE:** 1/16/98

### TEST EXCEPTION CLOSED:

**TEST ENGINEER:** Scott Anderson  
**DATE:** 1/14/98

**TEST DIRECTOR:** Scott Anderson  
**DATE:** 1/16/98
## ATTACHMENT 2 - TEST EXCEPTION REPORT

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<th>EXCEPTION TRACKING NUMBER:</th>
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<tr>
<td>HNF-SD-W026-OTR-018 REV1</td>
<td>COLD RUN - BOP</td>
<td>42</td>
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</table>

### DESCRIPTION OF PROBLEM:
Discharge conveyor weight not transmitted correctly; no decimal point in value.

### ORIGINATOR:
S. ANDERSON  
DATE: 10/4/97

### IMPACT ON TESTING:
- [ ] HOLD FOR RESOLUTION
- [ ] CONTINUE

### TEST DIRECTOR:
S. ANDERSON  
DATE: 10/4/97

### DISPOSITION:
Modify code and retest.

### DISPOSITION APPROVED BY:
TEST ENGINEER

### DISPOSITION AND RETEST REQUIREMENTS COMPLETED BY:
S. ANDERSON  
DATE: 10/4/97

### DISPOSITION ACTIONS COMPLETE VERIFIED BY:
TEST DIRECTOR: S. ANDERSON  
DATE: 10/4/97

### QAE CONCURRENCE WITH DISPOSITION (if required):
N/A  
DATE: 10/20/97

### RETEST COMPLETE VERIFIED BY:
DATE: 10/20/97

### TEST EXCEPTION CLOSED:

<table>
<thead>
<tr>
<th>TEST ENGINEER:</th>
<th>DATE:</th>
</tr>
</thead>
<tbody>
<tr>
<td>[Signature]</td>
<td>10/20/97</td>
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</table>

<table>
<thead>
<tr>
<th>TEST DIRECTOR:</th>
<th>DATE:</th>
</tr>
</thead>
<tbody>
<tr>
<td>[Signature]</td>
<td>10/4/97</td>
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**Note:** The signature placeholders are not visible in the image.
**ATTACHMENT 2 - TEST EXCEPTION REPORT**

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<th>TEST PROCEDURE NO. &amp; SECTION:</th>
<th>TEST NAME:</th>
<th>EXCEPTION TRACKING NUMBER:</th>
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<tbody>
<tr>
<td>HNF-SD-W026-OTR-018 REV 1</td>
<td>Cold Run - BoP</td>
<td>43</td>
</tr>
<tr>
<td>SECTION 5.8.45</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**DESCRIPTION OF PROBLEM:**

Fissile inventory for process area is incremented/decremented by tripping airlock photoeye.

**ORIGINATOR:** S. ANDERSON  
**DATE:** 10/14/97

**TEST PROCEDURE NO. & SECTION:** HNF-SD-W026-OTR-018 REV 1  
**SECTION:** 5.8.45

**TEST NAME:** Cold Run - BoP

**DATE:** 10/14/97

**TEST DIRECTOR:** S. ANDERSON

**IMPACT ON TESTING:**

- [ ] HOLD FOR RESOLUTION
- [ ] CONTINUE

**DISPOSITION:**

Tie photoeye with conveyor running in order to change inventory value.

**DISPOSITION APPROVED BY:**

TEST ENGINEER

**DISPOSITION AND RETEST REQUIREMENTS COMPLETED BY:**

Scott Anderson  
**DATE:** 11/13/98

**DISPOSITION ACTIONS COMPLETE VERIFIED BY:**

Scott Anderson  
**DATE:** 11/13/98

**QAE CONCURRENCE WITH DISPOSITION (if required):**

N/A  
**DATE:**

**RETEST COMPLETE VERIFIED BY:**

Scott Anderson  
**DATE:** 11/13/98

**TEST EXCEPTION CLOSED:**

**TEST ENGINEER:**

Scott Anderson  
**DATE:** 11/13/98

**TEST DIRECTOR:**

Scott Anderson  
**DATE:** 11/13/98
<table>
<thead>
<tr>
<th>Test Procedure No. &amp; Section:</th>
<th>Test Name:</th>
<th>Exception Tracking Number:</th>
</tr>
</thead>
<tbody>
<tr>
<td>HNF-SD-W026-OTP-018 Rev1 S.5.7.4</td>
<td>COLD RUN - BOP</td>
<td>44</td>
</tr>
</tbody>
</table>

**Description of Problem:**

PCS CAROUSEL CONTROL BITS ARE NOT RESET WHEN CAROUSEL FAULTS.

**Disposition:**

CHANGE CODE TO AUTOMATICALLY RESET CONTROL BITS WHEN FAULT OCCURS, POSSIBLY ADD MANUAL RESET BUTTON ON RTAP.

**Test Exception Closed:**

Test Engineer: [Signature] Date: 1/8/98

Test Director: [Signature] Date: 1/8/98
**ATTACHMENT 2 - TEST EXCEPTION REPORT**

<table>
<thead>
<tr>
<th>Test Procedure No. &amp; Section:</th>
<th>Test Name:</th>
<th>Exception Tracking Number:</th>
</tr>
</thead>
<tbody>
<tr>
<td>HNF-SD-WO26-OTP-018 REV 1</td>
<td>COLD RUN - BOP</td>
<td>45</td>
</tr>
</tbody>
</table>

**Description of Problem:**

ALL PHOTOEYES ON AIRLOCK, ENTRY, DISCHARGE, CAROUSELS, STORAGE CONVEYORS, AND LIFT TABLES NEED TO BE ADJUSTED TO THE CENTER OF THE REFLECTOR.

**Originator:**

G. ANDERSON  
**Date:** 10/16/97

**Organ:** 32620

**Impact on Testing:**

- [] HOLD FOR RESOLUTION
- [X] CONTINUE

**Test Director:** Scott Anderson  
**Date:** 10/16/97

**Disposition:**

ALIGN PHOTOEYES. JOB TICKET WAS GENERATED ON 1/20/98 TO REMEDY THIS PROBLEM.

**Disposition Approved By:** Scott Anderson  
**Date:** 1/20/98

**Disposition and Retest Requirements Completed By:** Scott Anderson  
**Date:** 1/20/98

**QAE Concurrence with Disposition (if required):** N/A  
**Date:**

**Disposition Actions Complete Verified By:** Scott Anderson  
**Date:** 1/20/98

**Retest Complete Verified By:** N/A  
**Date:**

**Test Exception Closed:**

**Test Engineer:** Scott Anderson  
**Date:** 1/20/98

**Test Director:** Scott Anderson  
**Date:** 1/20/98
## ATTACHMENT 2 - TEST EXCEPTION REPORT

<table>
<thead>
<tr>
<th>TEST PROCEDURE NO. &amp; SECTION: HW-SD-W026-OTP-018 REV 1</th>
<th>TEST NAME: COLD RUN - BOP</th>
<th>EXCEPTION TRACKING NUMBER: 46</th>
</tr>
</thead>
</table>

**DESCRIPTION OF PROBLEM:**
Evaluate need to raise motor overload settings for all conveyors/lift tables. Conveyors frequently trip breakers when run in manual.

<table>
<thead>
<tr>
<th>ORIGINATOR: S. ANDERSON</th>
<th>ORG: 32620</th>
<th>IMPACT ON TESTING: HOLD FOR RESOLUTION CONTINUE</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>DATE: 10/16/97</td>
<td>TEST DIRECTOR: S. ANDERSON DATE: 10/16/97</td>
</tr>
</tbody>
</table>

**DISPOSITION:**
Raise motor overloads. Work packages 97-186, 97-201 will be used for this work.

**DISPOSITION APPROVED BY:** TEST ENGINEER

**DISPOSITION AND RETEST REQUIREMENTS COMPLETED BY:** S. ANDERSON DATE: 11/19/98

**DISPOSITION ACTIONS COMPLETE VERIFIED BY:** S. ANDERSON DATE: 11/19/98

**OAE CONCURRENCE WITH DISPOSITION (if required):** N/A

**RETEST COMPLETE VERIFIED BY:** N/A

**TEST EXCEPTION CLOSED:**

**TEST ENGINEER:** J. S. DATE: 11/19/98

**TEST DIRECTOR:** S. ANDERSON DATE: 11/19/98
### ATTACHMENT 2 - TEST EXCEPTION REPORT

<table>
<thead>
<tr>
<th>TEST PROCEDURE NO. &amp; SECTION:</th>
<th>TEST NAME:</th>
<th>EXCEPTION TRACKING NUMBER:</th>
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</thead>
<tbody>
<tr>
<td>HNF-SD-W026-OTP-018 REV1</td>
<td>Cold Run - BOP</td>
<td>47</td>
</tr>
<tr>
<td>SECTION 5.8.55</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**DESCRIPTION OF PROBLEM:**

On DM55034B, query did not list any pins (no drums found) when MT-04 was present.

**ORIGINATOR:** S. Anderson  
**DATE:** 10/20/97

**IMPACT ON TESTING:**

- [ ] Hold for Resolution  
- [ ] Continue

**TEST DIRECTOR:** S. Anderson  
**DATE:** 10/20/97

**DISPOSITION:**

Modify Screen & Retest

**DISPOSITION APPROVED BY:** S. Anderson  
**DATE:** 1/16/98

**DISPOSITION AND RETEST REQUIREMENTS COMPLETED BY:** S. Anderson  
**DATE:** 1/16/98

**QAE CONCURRENCE WITH DISPOSITION (if required):** N/A  
**DATE:**

**RETEST COMPLETE VERIFIED BY:** S. Anderson  
**DATE:** 1/16/98

**TEST EXCEPTION CLOSED:**

**TEST ENGINEER:** S. Anderson  
**DATE:** 1/16/98

**TEST DIRECTOR:** S. Anderson  
**DATE:** 1/16/98
**ATTACHMENT 2 - TEST EXCEPTION REPORT**

<table>
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<th>EXCEPTION TRACKING NUMBER:</th>
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<tbody>
<tr>
<td>HNF-SD-W026-OTP-018 REV 1</td>
<td>COLD RUN - BOP</td>
<td>48</td>
</tr>
</tbody>
</table>

**DESCRIPTION OF PROBLEM:**

DRUM PRESENT BIT IS NOT GETTING SET.

**ORIGINATOR:**

S. ANDERSON  DATE: 10/20/97

**IMPACT ON TESTING:**

- [ ] HOLD FOR RESOLUTION
- [X] CONTINUE

**TEST DIRECTOR:**

Scott Anderson  DATE: 10/20/97

**DISPOSITION:**

MODIFY CODE FOR PCS TO SET DRUM PRESENT BIT EVERY TIME AGU PICKS UP DRUM. PROBLEM IS INTERMITTENT. IF PROBLEM CONTINUES A CR WILL BE WRITTEN. NO ACTION NECESSARY AT THIS TIME.

**DISPOSITION APPROVED BY:**

Scott Anderson

**DISPOSITION AND RETEST REQUIREMENTS COMPLETED BY:**

Scott Anderson  DATE: 1/14/98

**DISPOSITION ACTIONS COMPLETE VERIFIED BY:**

Scott Anderson  DATE: 1/14/98

**QAE CONCURRENCE WITH DISPOSITION (if required):**

N/A

**RETEST COMPLETE VERIFIED BY:**

[SPA]  N/A  DATE:

**TEST EXCEPTION CLOSED:**

**TEST ENGINEER:**

Scott Anderson  DATE: 1/14/98

**TEST DIRECTOR:**

Scott Anderson  DATE: 1/14/98
ATTACHMENT 2 - TEST EXCEPTION REPORT

<table>
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<th>EXCEPTION TRACKING NUMBER:</th>
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<tbody>
<tr>
<td>HNF-SD-W026-OTP-018 REV1</td>
<td>COLD RUN-BOP</td>
<td>49</td>
</tr>
<tr>
<td>SECTION 5.8.43</td>
<td></td>
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</tr>
</tbody>
</table>

DESCRIPTION OF PROBLEM:

CHANGE DRUM BUTTON DIDN'T WORK ON DMSS00 343.

ORIGINATOR: S. ANDERSON ORG: 32620
DATE: 10/20/97

IMPACT ON TESTING:

- [ ] HOLD FOR RESOLUTION
- [x] CONTINUE

TEST DIRECTOR: Scott Anderson DATE: 10/20/97

DISPOSITION:

MODIFY SCREEN & RETEST

DISPOSITION APPROVED BY: [Signature]
TEST ENGINEER

DISPOSITION AND RETEST REQUIREMENTS COMPLETED BY:

Scott Anderson DATE: 1/16/98

GNE CONCURRENCE WITH DISPOSITION (if required):

N/A DATE: 1/16/98

RETEST COMPLETE VERIFIED BY:

Scott Anderson DATE: 1/16/98

TEST EXCEPTION CLOSED:

TEST ENGINEER: [Signature] DATE: 1/16/98
TEST DIRECTOR: Scott Anderson DATE: 1/16/98
ATTACHMENT 2 - TEST EXCEPTION REPORT

<table>
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<th>EXCEPTION TRACKING NUMBER:</th>
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</thead>
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<tr>
<td>HNF-SD-W026-OTP-018 REV 1</td>
<td>COLD RUN-BOP</td>
<td>50</td>
</tr>
</tbody>
</table>

DESCRIPTION OF PROBLEM:

CHANGE LOADOUT DRUM BUTTON AND ENTER QUERY OPTION SHOULD ACT IDENTICALLY ON DM950328.

ORIGINATOR: ORG: 32620

S. ANDERSON DATE: 10/20/97

IMPACT ON TESTING:

☐ HOLD FOR RESOLUTION ☐ CONTINUE

TEST DIRECTOR: Scott Anderson DATE: 10/20/97

DISPOSITION:

MODIFY AND RETEST.

DISPOSITION APPROVED BY: Test Engineer

DISPOSITION AND RETEST REQUIREMENTS COMPLETED BY:

Scott Anderson DATE: 1/16/98

TEST EXCEPTION CLOSED:

TEST ENGINEER: Scott Anderson DATE: 1/16/98

TEST DIRECTOR: Scott Anderson DATE: 1/16/98
## ATTACHMENT 2 - TEST EXCEPTION REPORT

<table>
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<tbody>
<tr>
<td>HNF-SD-W026-OTP-018 REV 1:</td>
<td>COLD RUN - BOP</td>
<td>S1</td>
</tr>
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</table>

### DESCRIPTION OF PROBLEM:
DMSS0323 SCREEN WON'T ALLOW DATA ENTRY FOR DRUM AFTER IT HAS LEFT THE LIFT TABLE.

### ORIGINATOR:
S. ANDERSON

### IMPACT ON TESTING:
- [ ] HOLD FOR RESOLUTION  
- [x] CONTINUE

### TEST DIRECTOR:
Scott Anderson  
DATE: 10/20/97

### DISPOSITION:
MODIFY SCREEN AND RETEST.

### DISPOSITION APPROVED BY:

### DISPOSITION AND RETEST REQUIREMENTS COMPLETED BY:
Scott Anderson  
DATE: 11/6/98

### QAE CONCURRENCE WITH DISPOSITION (if required):
N/A

### TEST EXCEPTION CLOSED:

| TEST ENGINEER: Scott Anderson  
DATE: 11/6/98 |
| TEST DIRECTOR: Scott Anderson  
DATE: 11/6/98 |
## ATTACHMENT 2 - TEST EXCEPTION REPORT

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<th>EXCEPTION TRACKING NUMBER:</th>
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<td>HNF-SD-W026-OTP-018 REV</td>
<td>COLD RUN-BOP</td>
<td>52</td>
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</table>

**DESCRIPTION OF PROBLEM:**

When drum was moved from airlock B4 to airlock B2 the PIN shows correctly in STAP but location message 5,3,1 was sent for PIN at airlock B3.

<table>
<thead>
<tr>
<th>ORIGINATOR:</th>
<th>ORG:</th>
<th>IMPACT ON TESTING:</th>
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</table>
|             |      | Hold for resolution

<table>
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<tr>
<th>DISPOSITION:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Correct deficiency and retest</td>
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</tbody>
</table>

**DISPOSITION APPROVED BY:**

TEST ENGINEER

**DISPOSITION AND RETEST REQUIREMENTS COMPLETED BY:**

<table>
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<tr>
<th>DATE:</th>
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**DISPOSITION ACTIONS COMPLETE VERIFIED BY:**

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**QAE CONCURRENCE WITH DISPOSITION (if required):**

<table>
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**RETEST COMPLETE VERIFIED BY:**

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**TEST EXCEPTION CLOSED:**

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<th>DATE:</th>
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<table>
<thead>
<tr>
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<th>DATE:</th>
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<th>TEST NAME:</th>
<th>EXCEPTION TRACKING NUMBER:</th>
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</thead>
<tbody>
<tr>
<td>HNF-SD-W026-OTP-018 REV1</td>
<td>COLD RUN-BOP</td>
<td>53</td>
</tr>
</tbody>
</table>

### DESCRIPTION OF PROBLEM:
PLC PIN COUNTER NOT BEING INCREMENTED PROPERLY.

<table>
<thead>
<tr>
<th>ORIGINATOR:</th>
<th>ORG:</th>
<th>IMPACT ON TESTING:</th>
</tr>
</thead>
<tbody>
<tr>
<td>M. Palmer</td>
<td>32020</td>
<td></td>
</tr>
</tbody>
</table>

**DATE:** 10/30/97  
**TEST DIRECTOR:** Scott Anderson  
**DATE:** 10/30/97

### DISPOSITION:
Modify code to have two buffer areas so PLC can hold two separate 20 pin groups of empty drums.

**DISPOSITION APPROVED BY:** [Signature]  
**TEST ENGINEER**

**DATE:** 10/30/97

**QAE CONCURRENCE WITH DISPOSITION (if required):** N/A  
**RETEST COMPLETE VERIFIED BY:** [Signature]  
**DATE:**

**TEST EXCEPTION CLOSED:**

**TEST ENGINEER:** John S. Plam  
**DATE:** 10/31/97

**TEST DIRECTOR:** Scott Anderson  
**DATE:** 11/5/97
## ATTACHMENT 2 - TEST EXCEPTION REPORT

<table>
<thead>
<tr>
<th>TEST PROCEDURE NO. &amp; SECTION:</th>
<th>TEST NAME:</th>
<th>EXCEPTION TRACKING NUMBER:</th>
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</thead>
<tbody>
<tr>
<td>HNF-SD-W026-OFP-018 REV1</td>
<td>COLD RUN-BOP</td>
<td>54</td>
</tr>
</tbody>
</table>

**DESCRIPTION OF PROBLEM:**
DMSSO.404 SCREEN IS LOOKING FOR EMPTY CONTAINERS IN 'EMPSTR' LOCATION INSTEAD OF 'SHIPEMPST!

**ORIGINATOR:**
MARK PALMER

**DATE:** 11/6/97

**IMPACT ON TESTING:**
- [ ] HOLD FOR RESOLUTION
- [ ] CONTINUE

**TEST DIRECTOR:**
Scott Anderson

**DATE:** 11/6/97

**DISPOSITION:**
MODIFY AND RETEST

**DISPOSITION APPROVED BY:**

**TEST ENGINEER**

**DISPOSITION AND RETEST REQUIREMENTS COMPLETED BY:**

**DATE:** 1/13/98

**DISPOSITION ACTIONS COMPLETE VERIFIED BY:**

**DATE:** 1/13/98

**QAE CONCURRENCE WITH DISPOSITION (if required):**

N/A

**RETEST COMPLETE VERIFIED BY:**

**DATE:** 1/13/98

**TEST EXCEPTION CLOSED:**

**TEST ENGINEER:**

**DATE:** 1/13/98

**TEST DIRECTOR:**
Scott Anderson

**DATE:** 1/13/98
## ATTACHMENT 2 - TEST EXCEPTION REPORT

<table>
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<th>TEST PROCEDURE NO. &amp; SECTION:</th>
<th>TEST NAME:</th>
<th>EXCEPTION TRACKING NUMBER:</th>
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<tbody>
<tr>
<td>HNF-SD-WO26-OTP-018 REV1</td>
<td>COLD RUN-BOP</td>
<td>55</td>
</tr>
</tbody>
</table>

### DESCRIPTION OF PROBLEM:

Due to exceptions 25,26 'pick list cannot be generated without bypassing procedures.

### ORIGINATOR:

S.P. ANDERSON  
ORG: 32620  
DATE: 11/6/97

### IMPACT ON TESTING:

☐ HOLD FOR RESOLUTION  ☐ CONTINUE

### TEST DIRECTOR:

Scott Anderson  
DATE: 11/6/97

### DISPOSITION:

Await AS/RS repair completion and DMS/SIE communications resolution. Retest previously tested. No need to verify in this test. SPA 11/6/98

### DISPOSITION APPROVED BY:

Scott Anderson  
TEST ENGINEER  
DATE: 11/6/98

### DISPOSITION AND RETEST REQUIREMENTS COMPLETED BY:

Scott Anderson  
DATE: 11/8/98

### QAE CONCURRENCE WITH DISPOSITION (if required):

N/A  
DATE: 11/8/98

### RETEST COMPLETE VERIFIED BY:

N/A  
DATE: 11/8/98

### TEST EXCEPTION CLOSED:

TEST ENGINEER: Scott Anderson  
DATE: 11/8/98

TEST DIRECTOR: Scott Anderson  
DATE: 11/8/98
RAD INVENTORY AFTER LOADING
OTP-COLD-TP-01 INTO TRU RWM. 10/4/97

FOR STEP 5.9.13
<table>
<thead>
<tr>
<th>radmat descr</th>
<th>radmat limit</th>
<th>radmat total</th>
<th>pkg id</th>
<th>units</th>
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<tbody>
<tr>
<td>RAP 1 FACILITY</td>
<td>1,403.000</td>
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<td>CI</td>
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<tr>
<td>TRU RWM GLOVEBOX</td>
<td>177.000</td>
<td>32.000</td>
<td>OTP-COLD-TD-01</td>
<td>FGR</td>
<td>N</td>
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<td>TRU GLOVEBOX</td>
<td>177.000</td>
<td>10.000</td>
<td>FGE</td>
<td>N</td>
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Elapsed: 00:00:00.03

For step 5.9.15
COLD RUN 9/10/97 - ALL DRUMS AT LIFT TABLES BUT NO SCAN

<table>
<thead>
<tr>
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<th>CON_CNTYP_CD</th>
<th>CON_LOCN_FACIL_ID</th>
<th>CON_PKG_STATUS</th>
<th>CON_SIZE_DESCR</th>
<th>CON_SRC.Arg_FACIL_ID</th>
<th>CON_TARE_WGT</th>
<th>CON_WASTE_WGT</th>
<th>CON_iARATE_WGT</th>
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<tbody>
<tr>
<td>BACK-A</td>
<td>254</td>
<td>T</td>
<td>55 GALLON</td>
<td>50</td>
<td>100</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>BACK-B</td>
<td>254</td>
<td>T</td>
<td>55 GALLON</td>
<td>50</td>
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<th>CON_SRC.Arg_FACIL_ID</th>
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<tbody>
<tr>
<td>DM</td>
<td>2336W</td>
<td>1</td>
<td>55 GALLON</td>
<td>202A</td>
<td>21</td>
<td></td>
<td></td>
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<td>DM</td>
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<td>55 GALLON</td>
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<tr>
<td>DM</td>
<td>2336W</td>
<td>1</td>
<td>55 GALLON</td>
<td>202A</td>
<td>21</td>
<td></td>
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<td></td>
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<tr>
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<td>85 GALLON</td>
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<td>DM</td>
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<td>85 GALLON</td>
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<th>CON_PKG_STATUS</th>
<th>CON_SIZE_DESCR</th>
<th>CON_SRC.Arg_FACIL_ID</th>
<th>CON_TARE_WGT</th>
<th>CON_WASTE_WGT</th>
<th>CON_iARATE_WGT</th>
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<tbody>
<tr>
<td>DM</td>
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<td>1</td>
<td>55 GALLON</td>
<td>202A</td>
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<th>CON_PKG_STATUS</th>
<th>CON_SIZE_DESCR</th>
<th>CON_SRC.Arg_FACIL_ID</th>
<th>CON_TARE_WGT</th>
<th>CON_WASTE_WGT</th>
<th>CON_iARATE_WGT</th>
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CONLOCILOCN-ID
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SRRELOC DT: 10-SEP-97
SRRELOC FROM FACIL_ID: 2401W

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SRCON TO PKG ID: OTP-CRL-PO-001
SRCON DT: 08-SEP-97
SRCON_REL_CD: M

SRCON FROM PKG ID: OTP-CRL-PI-002
SRCON TO PKG ID: OTP-CRL-PO-002
SRCON DT: 08-SEP-97
SRCON_REL_CD: M

SRCON FROM PKG ID: OTP-CRL-PI-003
SRCON TO PKG ID: OTP-CRL-PO-003
SRCON DT: 08-SEP-97
SRCON_REL_CD: M

SRCON FROM PKG ID: OTP-CRL-PI-004
SRCON TO PKG ID: OTP-CRL-PO-004
SRCON DT: 08-SEP-97
SRCON_REL_CD: M

SRCON FROM PKG ID: OTP-CRT-PI-001
SRCON TO PKG ID: OTP-CRT-PO-001
SRCON DT: 04-SEP-97
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**HNF-SD-W026-OTR-018, Rev. 1, DMS-18**
CON GENER WASTE DESC 1 BOTTLE OF SALINE SOLUTION TREATED WITH . . . . .

CON PKG ID OTP-CRT-TC-002
CON GENER WASTE DESC 1 BOTTLE OF ACETIC ACID TREATED WITH . . . . .

CON PKG ID OTP-CRT-TC-003
CON GENER WASTE DESC 1 BOTTLE OF SOLVENT TREATED W T.

CON PKG ID OTP-CRT-TC-004
CON GENER WASTE DESC 1 BOTTLE OF OIL TREATED W T.

CON PKG ID OTP-CRT-TC-005
CON GENER WASTE DESC 1 BOTTLE OF ACID TREATED WITH . . . . .

CON PKG ID PUCK287
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CON GROSS WGT 300
CON LOCN FACIL ID 2336W
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CON WTYP CD R
CON SEC PKG ID OTP-CRL-PI-001
CON SIZE DESC 55 GALLON
CON SIZE FACIL ID 202A
CON TARE WGT 27

CON PKG ID OC-HIGH
CON GROSS WGT 300
CON PKG STATUS T
CON SIZE DESC 55 GALLON
CON TARE WGT 50
CON WASTE WGT 50

CON PKG ID OC-LOW
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SELECT WASTE
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CON EXT PROF ID BCKGD
CON EXT USE CD BD
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6-OTP-COLD-TD-01-

MSGLOG DT  06-OCT-97
MSGLOG ERROR FLAG  N
MSGLOG GEN TYPE  PCSDSMS
MSGLOG SEQ NUM  137879
MSGLOG SPEC TYPE  RWPT
MSGLOG STRING1
PCSDMS=RWPP-3085142732-TRU_SORT-OTP6-97-00000
6-OTP-TRU-WP-04-

MSGLOG DT  06-OCT-97
MSGLOG ERROR FLAG  N
MSGLOG GEN TYPE  PCSDSMS
MSGLOG SEQ NUM  137880
MSGLOG SPEC TYPE  RWPT
MSGLOG STRING1
PCSDMS=RWPP-3085142733-TRU_SORT-OTP6-97-00000
6-OTP-COLD-TD-01-

MSGLOG DT  06-OCT-97
MSGLOG ERROR FLAG  N
MSGLOG GEN TYPE  PCSDSMS
MSGLOG SEQ NUM  137883
MSGLOG SPEC TYPE  RWPT
MSGLOG STRING1
PCSDMS=RWPP-3085142732-TRU_SORT-OTP6-97-00000
6-OTP-COLD-TD-01-

MSGLOG DT  06-OCT-97
MSGLOG ERROR FLAG  N
MSGLOG GEN TYPE  PCSDSMS
MSGLOG SEQ NUM  137884
MSGLOG SPEC TYPE  RWPT
MSGLOG STRING1
PCSDMS=RWPP-3085142752-TRU_SORT-OTP6-97-00000
6-OTP-TRU-WP-04-

MSGLOG DT  06-OCT-97
MSGLOG ERROR FLAG  N
MSGLOG GEN TYPE  PCSDSMS
MSGLOG SEQ NUM  137888
MSGLOG SPEC TYPE  RWPP
MSGLOG STRING1
PCSDMS=RWPP-3085142784-TRU_SORT-OTP6-97-00000
6-OTP-TRU-WP-04-

MSGLOG DT  06-OCT-97
MSGLOG ERROR FLAG  N
MSGLOG GEN TYPE  PCSDSMS
MSGLOG SEQ NUM  137890
MSGLOG SPEC TYPE  RWPT
MSGLOG STRING1
PCSDMS=RWPP-3085142867-TRU_SORT-OTP6-97-00000
6-OTP-COLD-TD-01-

MSGLOG DT  06-OCT-97
MSGLOG ERROR FLAG  N
MSGLOG GEN TYPE  PCSDSMS
MSGLOG SEQ NUM  137893
MSGLOG SPEC TYPE  RWPP
MSGLOG STRING1
PCSDMS=RWPP-3085142867-TRU_SORT-OTP6-97-00000
6-OTP-COLD-TD-01-

MSGLOG DT  06-OCT-97
MSGLOG ERROR FLAG  N
MSGLOG GEN TYPE  PCSDSMS
MSGLOG SEQ NUM  137894
MSGLOG SPEC TYPE  RWPT
MSGLOG STRING1
PCSDMS=RWPP-3085142867-TRU_SORT-OTP6-97-00000
6-OTP-COLD-TD-01-

MSGLOG DT  06-OCT-97
MSGLOG ERROR FLAG  N
MSGLOG GEN TYPE  PCSDSMS
MSGLOG SEQ NUM  137897
MSGLOG SPEC TYPE  RWPP
MSGLOG STRING1
PCSDMS=RWPP-3085142880-TRU_SORT-OTP6-97-00000
6-OTP-TRU-WP-04-

MSGLOG DT  06-OCT-97
MSGLOG ERROR FLAG  N
MSGLOG GEN TYPE  PCSDSMS
MSGLOG SEQ NUM  137897
MSGLOG SPEC TYPE  RWPP
MSGLOG STRING1
PCSDMS=RWPP-3085142880-TRU_SORT-OTP6-97-00000
6-OTP-TRU-WP-04-

MSGLOG DT  06-OCT-97
MSGLOG ERROR FLAG  N
MSGLOG GEN TYPE  PCSDMS
MSGLOG SEQ NUM  138150
MSGLOG SPEC TYPE  RWPT
MSGLOG STRING1  PCSDMS-RWPT-3085148524-TRU_SORT-OTP6-97-00000
6-OTP-COLD-TD-01-

MSGLOG DT  06-OCT-97
MSGLOG ERROR FLAG  Y
MSGLOG GEN TYPE  PCSDMS
MSGLOG SEQ NUM  138153
MSGLOG SPEC TYPE  RWPT
MSGLOG STRING1  PCSDMS-RWPT-3085148547-TRU_SORT-OTP6-97-00000
6-OTP-COLD-TD-01-

MSGLOG DT  06-OCT-97
MSGLOG ERROR FLAG  N
MSGLOG GEN TYPE  DMSPCS
MSGLOG SEQ NUM  138154
MSGLOG SPEC TYPE  SDMS
MSGLOG STRING1  DMSPCS-SDMS-00400000-1012-ERROR ORA-2291
SEQ#138153-

MSGLOG DT  06-OCT-97
MSGLOG ERROR FLAG  Y
MSGLOG GEN TYPE  PCSDMS
MSGLOG SEQ NUM  138155
MSGLOG SPEC TYPE  RWPP
MSGLOG STRING1  PCSDMS-RWPP-3085148555-TRU_SORT-OTP6-97-00000
6-OTP-TRU-WP-04-

MSGLOG DT  06-OCT-97
MSGLOG ERROR FLAG  N
MSGLOG GEN TYPE  PCSDMS
MSGLOG SEQ NUM  138156
MSGLOG SPEC TYPE  RWPT
MSGLOG STRING1  PCSDMS-RWPT-3085148555-TRU_SORT-OTP6-97-00000
6-OTP-TRU-WP-04-

MSGLOG DT  06-OCT-97
MSGLOG ERROR FLAG  N
MSGLOG GEN TYPE  DMSPCS
MSGLOG SEQ NUM  138157
MSGLOG SPEC TYPE  SDMS
MSGLOG STRING1  DMSPCS-SDMS-00400000-1012-ERROR ORA-2291
SEQ#138157-

MSGLOG DT  06-OCT-97
MSGLOG ERROR FLAG  Y
MSGLOG GEN TYPE  PCSDMS
MSGLOG SEQ NUM  138159
MSGLOG SPEC TYPE  RWPP
MSGLOG STRING1  PCSDMS-RWPP-3085148555-TRU_SORT-OTP6-97-00000
6-OTP-TRU-WP-04-

MSGLOG DT  06-OCT-97
MSGLOG ERROR FLAG  N
MSGLOG GEN TYPE  DMSPCS
MSGLOG SEQ NUM  138160
MSGLOG SPEC TYPE  RWPT
MSGLOG STRING1  PCSDMS-RWPT-3085148555-TRU_SORT-OTP6-97-00000
6-OTP-COLD-TD-01-

MSGLOG DT  06-OCT-97
MSGLOG ERROR FLAG  N
MSGLOG GEN TYPE  PCSDMS
MSGLOG SEQ NUM  138163
MSGLOG SPEC TYPE  RWPP
MSGLOG STRING1  PCSDMS-RWPP-3085148556-TRU_SORT-OTP6-97-00000
6-OTP-COLD-TD-01-

MSGLOG DT  06-OCT-97
MSGLOG ERROR FLAG  N
MSGLOG GEN TYPE  DMSPCS
MSGLOG SEQ NUM  138166
MSGLOG SPEC TYPE  PAMR
MSGLOG STRING1  DMSPCS-PAMR-3085148735-TRU_SORT-OTP6-97-00000
6-4.400000E-01-1.668104E+04-

MSGLOG DT  06-OCT-97
MSGLOG ERROR FLAG  N
MSGLOG GEN TYPE  PCSDMS
MSGLOG SEQ NUM  138170
MSGLOG SPEC TYPE  PAMR
MSGLOG STRING1  PCSDMS-PAMR-3085148956-TRU_SORT-OTP6-97-00000
6-4.400000E-01-1.668104E+04-

MSGLOG DT  06-OCT-97
MSGLOG ERROR FLAG  N
MSGLOG GEN TYPE  DMSPCS
MSGLOG SEQ NUM  138176
MSGLOG SPEC TYPE  PAMR
MSGLOG STRING1  PCSDMS-PAMR-3085148735-TRU_SORT-OTP6-97-00000
6-4.400000E-01-1.668104E+04-

MSGLOG DT  07-OCT-97
MSGLOG ERROR FLAG  Y
MSGLOG GEN TYPE  DMSPCS
MSGLOG SEQ NUM  141623
MSGLOG SPEC TYPE  CL
MSGLOG STRING1  DMSPCS-CL-3085148846-RWM_CRSLL-l-OTP-COLD-TD-
01-

MSGLOG DT  07-OCT-97
MSGLOG ERROR FLAG  N
MSGLOG GEN TYPE  DMSPCS
MSGLOG SEQ NUM  141624
MSGLOG SPEC TYPE  CL
MSGLOG STRING1  DMSPCS-CL-3085227076-RWM_CRSLL-1-OTP-COLD-TD-
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MSGLOG DT  07-OCT-97
MSGLOG ERROR FLAG  Y
MSGLOG GEN TYPE  DMSPCS
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MSGLOG STRING1  DMSPCS-CL-3085227076-RWM_CRSLL-1-OTP-COLD-TD-
01-

MSGLOG DT  07-OCT-97
MSGLOG ERROR FLAG  N
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MSGLOG SEQ NUM  141624
MSGLOG SPEC TYPE  CL
MSGLOG STRING1  DMSPCS-CL-3085227076-RWM_CRSLL-1-OTP-COLD-TD-
01-
HNF-SD-W026-OTR-018, Rev. 1, DMS-69

MSGLOG GEN_TYPE DMSPCS
MSGLOG_SEQ_NUM 141265
MSGLOG SPEC TYPE FML
MSGLOG STRING1
DMSPCS=FM-AREA_3-3.20000E+01-F

MSGLOG DT 08-OCT-97
MSGLOG ERROR FLAG N
MSGLOG GEN_TYPE DMSPCS
MSGLOG_SEQ_NUM 142114
MSGLOG SPEC TYPE CL
MSGLOG STRING1
PCSDMS=CL-3085305303-TRU-RWMPRT---I-OTP-COLD-TD-01-

MSGLOG DT 08-OCT-97
MSGLOG ERROR FLAG Y
MSGLOG GEN TYPE DMSPCS
MSGLOG_SEQ_NUM 142149
MSGLOG SPEC TYPE CL
MSGLOG STRING1
PCSDMSXL-3085306088-RWMP-CRSL---I-OTP-COLO-TD-01-

MSGLOG DT 08-OCT-97
MSGLOG ERROR FLAG N
MSGLOG GEN_TYPE DMSPCS
MSGLOG_SEQ_NUM 142150
MSGLOG SPEC TYPE SDMS
MSGLOG STRING1
DMSPCS=SDMS-00400000-1015-NO PU FGE VALUE FOR DRUM ENTERING PROCESS AREA SEW142149-

MSGLOG DT 08-OCT-97
MSGLOG ERROR FLAG N
MSGLOG GEN_TYPE DMSPCS
MSGLOG_SEQ_NUM 142181
MSGLOG SPEC TYPE SDMS
MSGLOG STRING1
DMSPCS=SDMS-00400000-1012-ERROR ORA-2291 SEQ#142149-

MSGLOG DT 08-OCT-97
MSGLOG ERROR FLAG N
MSGLOG GEN_TYPE DMSPCS
MSGLOG_SEQ_NUM 142250
MSGLOG SPEC TYPE RWPP
MSGLOG STRING1
PCSDMS=RWPP-3085307706-TRU-RWMPRT---I-OTP-COLD-TD-01-

MSGLOG DT 08-OCT-97
MSGLOG ERROR FLAG N
MSGLOG GEN_TYPE DMSPCS
MSGLOG_SEQ_NUM 142350
MSGLOG SPEC TYPE RWPP
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PCSDMS=RWPP-3085312152-TRU-RWMPRT---I-OTP-COLD-TD-01-

MSGLOG DT 08-OCT-97
MSGLOG ERROR FLAG N
MSGLOG GEN_TYPE DMSPCS
MSGLOG_SEQ_NUM 142351
MSGLOG SPEC TYPE SDMS
MSGLOG STRING1
DMSPCS=SDMS-00400000-1012-ERROR ORA-2291 SEQ#142350-

MSGLOG DT 08-OCT-97
MSGLOG ERROR FLAG N
MSGLOG GEN_TYPE DMSPCS
MSGLOG_SEQ_NUM 142382
MSGLOG SPEC TYPE RWPP
MSGLOG STRING1
PCSDMS=RWPP-3085312197-TRU-RWMPRT---I-OTP-COLD-TD-01-

MSGLOG DT 08-OCT-97
MSGLOG ERROR FLAG N
MSGLOG GEN_TYPE DMSPCS
MSGLOG_SEQ_NUM 142383
MSGLOG SPEC TYPE SDMS
MSGLOG STRING1
DMSPCS=SDMS-00400000-1012-ERROR ORA-2291 SEQ#142382-

MSGLOG DT 08-OCT-97
MSGLOG ERROR FLAG N
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MSGLOG_SEQ_NUM 142384
MSGLOG SPEC TYPE RWPP
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PCSDMS=RWPP-3085312616-TRU-RWMPRT---I-OTP-COLD-TD-01-

MSGLOG DT 08-OCT-97
MSGLOG ERROR FLAG N
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MSGLOG_SEQ_NUM 142387
MSGLOG SPEC TYPE RWPP
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PCSDMS=RWPP-3085312616-TRU-RWMPRT---I-OTP-COLD-TD-01-

MSGLOG DT 08-OCT-97
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MSGLOG_SEQ_NUM 142406
MSGLOG SPEC TYPE RWPP
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PCSDMS=RWPP-3085312197-TRU-RWMPRT---I-OTP-COLD-TD-01-

MSGLOG DT 08-OCT-97
MSGLOG ERROR FLAG N
MSGLOG GEN_TYPE DMSPCS
MSGLOG_SEQ_NUM 142407
MSGLOG SPEC TYPE SDMS
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DMSPCS=SDMS-00400000-1012-ERROR ORA-2291 SEQ#142406-

MSGLOG DT 08-OCT-97
MSGLOG ERROR FLAG N
MSGLOG GEN_TYPE DMSPCS
MSGLOG_SEQ_NUM 142408
MSGLOG SPEC TYPE RWPP
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PCSDMS=RWPP-3085312197-TRU-RWMPRT---I-OTP-COLD-TD-01-
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6-OTP-TRU-WP-04-

MSGLOG DT 08-OCT-97
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MSGLOG GEN TYPE PCSOMS
MSGLOG SEQ NUM 142409
MSGLOG SPEC TYPE RWPT

MSGLOG STRING1
PCSDMS=RWPT-3085312616-TRU_SORT-OTP6-97-00000
6-OTP-COLD-TD-01-

MSGLOG DT 08-OCT-97
MSGLOG ERROR FLAG N
MSGLOG GEN TYPE PCSOMS
MSGLOG SEQ NUM 142418
MSGLOG SPEC TYPE PAMR

MSGLOG STRING1
PCSDMS=PAMR-3085312794-TRU_SORT-OTP6-97-00000
6-0.000000E+00-0.000000E+00-

MSGLOG DT 08-OCT-97
MSGLOG ERROR FLAG Y
MSGLOG GEN TYPE PCSOMS
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MSGLOG SPEC TYPE RWPT

MSGLOG STRING1
PCSDMS=RWPP-3085313686-TRU_SORT-OTP6-97-00000
6-OTP-TRU-WP-04-

MSGLOG DT 08-OCT-97
MSGLOG ERROR FLAG N
MSGLOG GEN TYPE DMSPCS
MSGLOG SEQ NUM 142469
MSGLOG SPEC TYPE SDMS

MSGLOG STRING1
DMSPCS-SDMS-00400000-1012-ERROR ORA-2291
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MSGLOG DT 08-OCT-97
MSGLOG ERROR FLAG Y
MSGLOG GEN TYPE PCSOMS
MSGLOG SEQ NUM 142474
MSGLOG SPEC TYPE RWPT

MSGLOG STRING1
PCSDMS=RWPP-3085313893-TRU_SORT-OTP6-97-00000
6-OTP-TRU-WP-04-

MSGLOG DT 08-OCT-97
MSGLOG ERROR FLAG N
MSGLOG GEN TYPE DMSPCS
MSGLOG SEQ NUM 142518
MSGLOG SPEC TYPE SDMS

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DMSPCS-SDMS-00400000-1015-NO PU FGE VALUE FOR DRUM ENTERING PROCESS AREA S1:4#=142518-

MSGLOG DT 08-OCT-97
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MSGLOG GEN TYPE PCSDMS
MSGLOG SEQ NUM 142518
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MSGLOG STRING1
PCSDMS=CL-3085314818-TRURWENTRY---1-OTP-COLD-TD-01-

MSGLOG DT 08-OCT-97
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MSGLOG GEN TYPE PCSDMS
MSGLOG SEQ NUM 142519
MSGLOG SPEC TYPE SDMS

MSGLOG STRING1
PCSDMS-DMSPCS-00400000-1015-NO PU FGE VALUE FOR DRUM ENTERING PROCESS AREA S1:4#=142519-

MSGLOG DT 08-OCT-97
MSGLOG ERROR FLAG N
MSGLOG GEN TYPE DMSPCS
MSGLOG SEQ NUM 142626
MSGLOG SPEC TYPE PWK

MSGLOG STRING1
PCSDMS=PWK-3085318638-TRU_SORT-OTP6-97-00000
6-0.000000E+00-0.000000E+00-

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MSGLOG STRING1
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MSGLOG DT 08-OCT-97
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MSGLOG DT 08-OCT-97
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MSGLOG GEN TYPE DMSPCS
MSGLOG SEQ NUM 142673
MSGLOG SPEC TYPE PWK
HNF-SD-W026-OTR-018, Rev. 1, DMS-71

MSGLOG STRING1
PCSDMS=PMAR-3085320106-TRU_SORT-OTP6-97-00000
6-0.000000E+00+0-0.000000E+00-

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PCSDMS=PMAR-3085320623-TRU_SORT-OTP6-97-00000
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PCSDMS=CL-3085379288-TRURWENTRY---1-OTP-COLD-T
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PCSDMS=CL-3085379883-TRURWENTRY---1-OTP-COLD-T
D-01-

MSGLOG DT 09-OCT-97
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PCSDMS=CL-3085379883-TRURWENTRY---1-OTP-COLD-T
D-01-

MSGLOG DT 09-OCT-97
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MSGLOG DT 09-OCT-97
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**DMSPCS=CL-LLW_ENTRY-1-OTP-CRL-PI-002**

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**PCS=CL-3085906384-RWM_CRSL--1-OTP-CRL-PO-0 04**

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**PCS=CL-3085907802-LLW_ENTRY-1-OTP-CRL-PO-0 03**

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**DMSPCS=CL-LLW_ENTRY-1-OTP-CRL-PI-003**

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**HNF-SD-W026-OTR-018, Rev. 1, DMS-78**
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| RADMAT_ALARM | N |
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| RADMAT_LIMIT | 177 |
| RADMAT_RAD_TOT | 5 |
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| RADMAT_ALARM | N |
| RADMAT_ID | T |
| RADMAT_DESCR | TRU GLOVEBOX |
| RADMAT_LIMIT | 177 |
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PIN SPONGE SEQ# 146872-

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MSGLOG DT 13-OCT-97
MSGLOG ERROR FLAG N
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MSGLOG GEN TYPE DMSPCS
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MSGLOG DT 13-OCT-97
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MSGLOG GEN TYPE DMSPCS
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MSGLOG DT 13-OCT-97
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MSGLOG DT 13-OCT-97
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MSGLOG DT 13-OCT-97
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MSGLOG GEN TYPE PCSDMS
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MSGLOG_DT  15-OCT-97
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1-3.000000E-06-0.000

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**HNF-SD-W026-OTR-018, Rev. 1, DMS-112**

**Cold Run Data After Receipt of Empty Drums 9/5/97**

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| PHYS COMP VOL PCT | 30   |
| PHYS COMP WGT    | 4.1   |
| PHYS PKG ID      | OTP-TRU-PD-11 |
| PHYS COMP DESCR  | METAL/IRON/GALVANIZED/SHEET |
| PHYS COMP VOL PCT | 100  |
| PHYS COMP WGT    | 54    |
| PHYS PKG ID      | OTP-TRU-WP-02 |
| PHYS COMP DESCR  | CONWEB PADS |
| PHYS COMP VOL PCT | 93   |
| PHYS COMP WGT    | 127.5 |
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| PHYS COMP DESCR  | HAZARDOUS CONSTITUENTS |
| PHYS COMP VOL PCT | 5    |
| PHYS COMP WGT    | .64   |
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| PHYS COMP DESCR  | WATER |
| PHYS COMP VOL PCT | 2    |
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| PHYS COMP VOL PCT | 48   |
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| RDET TOT BG CI   | 10 |
| RDET TOT DE CI   | 50 |
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| RDET ASSAY DT    | 04-SEP-97 |
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RADMAT TOT
RADMAT UNITS
RADMAT ALARM

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SELECT SWITS_SHIPMENT
SELECT SWITS_SHIPITEM
SELECT SWITS_VERIFICATION
Cold Run Recheck of receipt of LLW Processing Drums --

- Tare weights filled in correctly
- Context Use Code set to "LV" all data is set correctly.

9/9/97

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353 CON_GENER_WASTE_DESCR: UNLABELED AEROSOL CAN

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356 CON_GENER_WASTE_DESCR: LEAD BRICK

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359 CON_GENER_WASTE_DESCR: BOTTLE OF SOLVENT & BOTTLE OF OIL

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362 CON_GENER_WASTE_DESCR: BOTTLE OF ACID

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HNF-SD-W026-OTR-018, Rev. 1, DMS-135

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<th>QC-HIGH</th>
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885 RAD_QTY: 1.62
886 RAD_QTY_TMU: .0162
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888 RAD_PKG_ID:crl QC-HIGH
889 RAD_ISO_NUM:crl 40
890 RAD_QTY: 8.51
891 RAD_QTY_TMU: .0851
892
893 RAD_PKG_ID:crl QC-HIGH
894 RAD_ISO_NUM:crl 8
895 RAD_QTY: 6.67
896 RAD_QTY_TMU: .0667
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898 RAD_PKG_ID:crl QC-HIGH
899 RAD_ISO_NUM:crl 85
900 RAD_QTY: 71.6
901 RAD_QTY_TMU: .716
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903 RAD_PKG_ID:crl QC-HIGH
904 RAD_ISO_NUM:crl 97
905 RAD_QTY: 10
906 RAD_QTY_TMU: .1
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908 RAD_PKG_ID:crl QC-LOW
909 RAD_ISO_NUM:crl 100
910 RAD_QTY: .6
911 RAD_QTY_TMU: .006
912
913 RAD_PKG_ID:crl QC-LOW
914 RAD_ISO_NUM:crl 107
915 RAD_QTY: .0000617
916 RAD_QTY_TMU: .00000617
917
918 RAD_PKG_ID:crl QC-LOW
919 RAD_ISO_NUM:crl 109
920 RAD_QTY: .000164
921 RAD_QTY_TMU: .00000164
922
923 RAD_PKG_ID:crl QC-LOW
924 RAD_ISO_NUM:crl 13
925 RAD_QTY: 64.1
926 RAD_QTY_TMU: .641
927
928 RAD_PKG_ID:crl QC-LOW
929 RAD_ISO_NUM:crl 34
930 RAD_QTY: .145
931 RAD_QTY_TMU: .00145
932
933 RAD_PKG_ID:crl QC-LOW
934 RAD_ISO_NUM:crl 7
935 RAD_QTY: 25.15
936 RAD_QTY_TMU: .2515
937
938 RAD_PKG_ID:crl QC-LOW
939 RAD_ISO_NUM:crl 97
940 RAD_QTY: 10
941 RAD_QTY_TMU: .1
942
943 SELECT ISOQ'TY
944 PHYS_PKG_ID:crl OTP-TRU-PD-01
945 PHYS_PKG_DESCR: CONWEB PADS
946 PHYS_PKG_VOL_PCT: 98
947 PHYS_PKG_WGT: 127.5
948
949 PHYS_PKG_ID:crl OTP-TRU-PD-01
950 PHYS_PKG_DESCR: WATER
951 PHYS_PKG_VOL_PCT: 2
952 PHYS_PKG_WGT: 3.9
953 PHYS_PKG_ID: crl
954 PHYS_COMP_DESCR: OTP-TRU-PD-02
955 PHYS_COMP_VOL_PCT: 70
956 PHYS_COMP_WGT: 13.6

960 PHYS_PKG_ID: crl
961 PHYS_COMP_DESCR: CLOTH/RAGS/ NYLON
962 PHYS_COMP_VOL_PCT: 100
963 PHYS_COMP_WGT: 70

967 PHYS_PKG_ID: crl
968 PHYS_COMP_DESCR: PLASTIC/ POLYURI THANE
969 PHYS_COMP_VOL_PCT: 30
970 PHYS_COMP_WGT: 4.1

975 PHYS_PKG_ID: crl
976 PHYS_COMP_DESCR: METAL/IRON/GALVANIZED/ SHEET
977 PHYS_COMP_VOL_PCT: 100
978 PHYS_COMP_WGT: 54

983 PHYS_PKG_ID: crl
984 PHYS_COMP_DESCR: OTP-TRU-PD-02
985 PHYS_COMP_VOL_PCT: 93
986 PHYS_COMP_WGT: 127.5

993 PHYS_PKG_ID: crl
994 PHYS_COMP_DESCR: OTP-TRU-WP-02
995 PHYS_COMP_VOL_PCT: 93
996 PHYS_COMP_WGT: 127.5

1000 SELECT PHYSCOMP
1001 SELECT PKGDW
1002 RDET_PKG_ID: crl
1003 RDET_ASSAY_DT: 08-SEP-97
1004 RDET_BG_DOSE_RATE: 10
1005 RDET_SWTYP_GROUP: LLW
1006 RDET_TOT_BG_CI: 10
1007 RDET_TOT_DE_CI: 1
1008 RDET_WASTE_MAKEUP: X
1009 RDET_PKG_ID: crl
1010 RDET_ASSAY_DT: 08-SEP-97
1011 RDET_BG_DOSE_RATE: 10
1012 RDET_SWTYP_GROUP: LLW
1013 RDET_TOT_BG_CI: 10
1014 RDET_TOT_DE_CI: 1
1015 RDET_WASTE_MAKEUP: X
1016 RDET_PKG_ID: crl
1017 RDET_ASSAY_DT: 08-SEP-97
1018 RDET/bg dose rate: 10
1019 RDET_PKG_ID: crl
1020 RDET/bg dose rate: 10
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W:\apps\dms\test\src\sql\crqlcrl.slst

Printed 19:21 08 Sep 97

1089 RDET_TOT BG CI: 0
1090 RDET_TOT DE CI: 0
1091 RDET_TOT PE CI: 0
1092 RDET_TOT PU FGE: 0
1093 RDET_WASTE_MAKEUP: F
1094 RDET_WRAP_CAT: CL
1095
1096 RDET_PKG_ID: crl OTP-TRU-WP-04
1097 RDET_ASSAY_DT: 10-JUL-49
1098 RDET_BG_DOSE_RATE: 2
1099 RDET_HANDLING: C
1100 RDET_RELOC_DT: 10-AUG-93
1101 RDET_RWIMS_COUNT: 1
1102 RDET_SDAR_APPR_NUM: 4-1A-7VM-0
1103 RDET_RWIMS_CD: DS
1104 RDET_SWTYP_CD: 2A
1105 RDET_SWTYP_GROUP: TRU
1106 RDET_THERMAL_POWER: 3.53
1107 RDET_TOT_ALPHA_CI: 0
1108 RDET_TOT_BG_CI: 0
1109 RDET_TOT_DE_CI: 0
1110 RDET_TOT_PE_CI: 0
1111 RDET_TOT PU FGE: 0
1112 RDET_WASTE_MAKEUP: PB
1113 RDET_WRAP_CAT: CL
1114
1115 RDET_PKG_ID: crl OTP6-97-000001
1116 RDET_SWTYP_CD: TRU
1117 RDET_SWTYP_GROUP: TRU
1118
1119 RDET_PKG_ID: crl OTP6-97-000002
1120 RDET_SWTYP_CD: 2A
1121 RDET_SWTYP_GROUP: TRU
1122
1123 RDET_PKG_ID: crl OTP6-97-000003
1124 RDET_SWTYP_CD: 2A
1125 RDET_SWTYP_GROUP: TRU
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1127 RDET_PKG_ID: crl OTP6-97-000004
1128 RDET_SWTYP_CD: 2A
1129 RDET_SWTYP_GROUP: TRU
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1132 RDET_SWTYP_CD: 2A
1133 RDET_SWTYP_GROUP: TRU
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1135 RDET_PKG_ID: crl OTP6-97-000006
1136 RDET_SWTYP_CD: 2A
1137 RDET_SWTYP_GROUP: TRU
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1139 RDET_PKG_ID: crl QC-HIGH
1140 RDET_ASSAY_DT: 01-JAN-96
1141 RDET_SWTYP_GROUP: TRU
1142
1143 RDET_PKG_ID: crl QC-LOW
1144 RDET_ASSAY_DT: 01-JAN-96
1145 RDET_SWTYP_GROUP: LLW
1146
1147 SELECT RADDetail
1148 SELECT SHIPMENT
1149 SELECT SHIPHIST
1150 SELECT SHIPITEM
1151 SELECT SHIPPICK
1152 SELECT SHIPWRAP
1153 CONLOC_PKG_ID: crl BACK-A
1154 CONLOC_DT: 04-SEP-97
1155 CONLOC_LOCN_ID: BDCVYR_B
1293  CONR_DT:  08-SEP-97
1294  CONR_REL_CD:  M
1295  CONR_FROM_PKG_ID: crl
1296  CONR_TO_PKG_ID:  OTP-CRL-PI-003
1297  CONR_REL_CD:  OTP-CRL-PO-003
1298  CONR_DT:  08-SEP-97
1299  CONR_REL_CD:  M
1300  CONR_FROM_PKG_ID: crl
1301  CONR_TO_PKG_ID:  OTP-CRL-PI-004
1302  CONR_REL_CD:  OTP-CRL-PO-004
1303  CONR_DT:  08-SEP-97
1304  CONR_REL_CD:  M
1305  CONR FROM_PKG_ID: crl
1306  CONR_TO_PKG_ID:  OTP-CRT-PI-001
1307  CONR_REL_CD:  OTP-CRT-PO-001
1308  CONR_DT:  04-SEP-97
1309  CONR_REL_CD:  M
1310  CONR_FROM_PKG_ID: crl
1311  CONR_TO_PKG_ID:  OTP-CRT-PI-002
1312  CONR_REL_CD:  OTP-CRT-PO-002
1313  CONR_DT:  04-SEP-97
1314  CONR_REL_CD:  M
1315  CONR FROM_PKG_ID: crl
1316  CONR_TO_PKG_ID:  OTP-CRT-PI-003
1317  CONR_REL_CD:  OTP-CRT-PO-003
1318  CONR_DT:  04-SEP-97
1319  CONR_REL_CD:  M
1320  CONR_FROM_PKG_ID: crl
1321  CONR_TO_PKG_ID:  OTP-CRT-PI-004
1322  CONR_REL_CD:  OTP-CRT-PO-004
1323  CONR_DT:  04-SEP-97
1324  CONR_REL_CD:  M
1325  CONR FROM_PKG_ID: crl
1326  CONR_TO_PKG_ID:  OTP-TRU-WP-02
1327  CONR_REL_CD:  OTP-TRU-PD-01
1328  CONR_DT:  23-AUG-97
1329  CONR_REL_CD:  C
1330  CONR_FROM_PKG_ID: crl
1331  CONR_TO_PKG_ID:  OTP-TRU-WP-02
1332  CONR_REL_CD:  OTP-TRU-PD-11
1333  CONR_DT:  24-AUG-27
1334  CONR_REL_CD:  C
1335  CONR_FROM_PKG_ID: crl
1336  CONR_TO_PKG_ID:  OTP-TRU-WP-02
1337  CONR_REL_CD:  OTP6-97-000001
1338  CONR_DT:  25-AUG-27
1339  CONR_REL_CD:  S
1340  CONR_FROM_PKG_ID: crl
1341  CONR_TO_PKG_ID:  OTP-TRU-WP-02
1342  CONR_REL_CD:  OTP6-97-000002
1343  CONR_DT:  25-AUG-27
1344  CONR_REL_CD:  S
1345  CONR FROM_PKG_ID: crl
1346  CONR_TO_PKG_ID:  OTP-TRU-WP-02
1347  CONR_REL_CD:  OTP6-97-000003
1348  CONR_DT:  25-AUG-27
1349  CONR_REL_CD:  S
1350  CONR_FROM_PKG_ID: crl
1351  CONR_TO_PKG_ID:  OTP6-97-000001
1352  CONR_REL_CD:  OTP-TRUR-TD-01
1353  CONR_DT:  25-AUG-27
1354  CONR_REL_CD:  O
1355  CONR FROM_PKG_ID: crl
1356  CONR_TO_PKG_ID:  OTP6-97-000002
1357  CONR_REL_CD:  OTP-TRUR-TD-01
1358  CONR_DT:  25-AUG-27
1359  CONR_REL_CD:  O
1360
SELECT CONREL
SELECT VERIFICATION
SELECT RADMAT

RADMAT_ID: crl
RADMAT_DESCR: WRAP 1 FACILITY
RADMAT_LIMIT: 1403
RADMAT_RAD_TOT: 4216
RADMAT_UNITS: CI
RADMAT_ALARM: Y

RADMAT_ID: crl
RADMAT_DESCR: TRU RWM GLOVEBOX
RADMAT_LIMIT: 177
RADMAT_RAD_TOT: 10
RADMAT_UNITS: FGR
RADMAT_ALARM: F

RADMAT_ID: crl
RADMAT_DESCR: TRU GLOVEBOX
RADMAT_LIMIT: 177
RADMAT_RAD_TOT: 10
RADMAT_GB_PKG_ID: OTP-TRU-OD-04
RADMAT_UNITS: FGE
RADMAT_ALARM: F

SELECT RADMAT
SELECT CONPKG_ID: crl
sCON_CNTYP_CD: DM
sCON_LOCN_FACIL_ID: 2336W
sCON_PKG_STATUS: I
sCON_SIZE_DESCR: 55 GALLON
sCON_SRCE_FACIL_ID: 202A
sCON_TARE_WGT: 21

SELECT CONPKG_ID: crl
sCON_CNTYP_CD: DM
sCON_LOCN_FACIL_ID: 2336W
sCON_PKG_STATUS: I
sCON_SIZE_DESCR: 55 GALLON
sCON_SRCE_FACIL_ID: 202A
sCON_TARE_WGT: 21

SELECT CONPKG_ID: crl
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sCON_SIZE_DESCR: 55 GALLON
sCON_SRCE_FACIL_ID: 202A
sCON_TARE_WGT: 21
HNF-SD-W026-OTR-018, Rev. 1, DMS-149

1429
1430 sCON_PKG_ID: crl
1431 sCON_CNTYP_CD: 
1432 sCON_LOCN_FACIL_ID: 2336W
1433 sCON_PKG_STATUS: I
1434 sCON_SIZE_DESCR: 55 GALLON
1435 sCON_SRCE_FACIL_ID: 202A
1436 sCON_TARE_WGT: 21
1437
1438 sCON_PKG_ID: crl
1439 sCON_CNTYP_CD: 
1440 sCON_LOCN_FACIL_ID: 2336W
1441 sCON_PKG_STATUS: I
1442 sCON_SIZE_DESCR: 55 GALLON
1443 sCON_SRCE_FACIL_ID: 202A
1444 sCON_TARE_WGT: 21
1445
1446 sCON_PKG_ID: crl
1447 sCON_CNTYP_CD: 
1448 sCON_LOCN_FACIL_ID: 2336W
1449 sCON_PKG_STATUS: I
1450 sCON_SIZE_DESCR: 55 GALLON
1451 sCON_SRCE_FACIL_ID: 202A
1452 sCON_TARE_WGT: 21
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1454 sCON_PKG_ID: crl
1455 sCON_CNTYP_CD: 
1456 sCON_LOCN_FACIL_ID: 2336W
1457 sCON_PKG_STATUS: I
1458 sCON_SIZE_DESCR: 55 GALLON
1459 sCON_SRCE_FACIL_ID: 202A
1460 sCON_TARE_WGT: 21
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1462 sCON_PKG_ID: crl
1463 sCON_CNTYP_CD: 
1464 sCON.LOCN_FACIL_ID: 2336W
1465 sCON_PKG_STATUS: I
1466 sCON_SIZE_DESCR: 55 GALLON
1467 sCON_SRCE_FACIL_ID: 202A
1468 sCON_TARE_WGT: 21
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1470 sCON_PKG_ID: crl
1471 sCON_CNTYP_CD: 
1472 sCON_LOCN_FACIL_ID: 2336W
1473 sCON_PKG_STATUS: I
1474 sCON_SIZE_DESCR: 55 GALLON
1475 sCON_SRCE_FACIL_ID: 202A
1476 sCON_TARE_WGT: 21
1477
1478 sCON_PKG_ID: crl
1479 sCON_CNTYP_CD: 
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1907 sRDET_TOT_BG_CI: 10
1908 sRDET_TOT_DE_CI: 1
1909 sRDET_TOT_PU_FGE: 0
1910 sRDET_WASTE_MAKEUP: X
1911
1912 sRDET_PKG_ID:crl OTP-CRL-PI-001
1913 sRDET_ASSAY_DT: 08-SEP-97
1914 sRDET_BG_DOSE_RATE: 10
1915 sRDET_SWTPY_GROUP: LLW
1916 sRDET_TOT_BG_CI: 10
1917 sRDET_TOT_DE_CI: 1
1918 sRDET_TOT_PU_FGE: 0
1919 sRDET_WASTE_MAKEUP: X
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1921 sRDET_PKG_ID:crl OTP-CRL-PI-002
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1923 sRDET_BG_DOSE_RATE: 10
1924 sRDET_SWTPY_GROUP: LLW
1925 sRDET_TOT_BG_CI: 10
1926 sRDET_TOT_DE_CI: 1
1927 sRDET_TOT_PU_FGE: 0
1928 sRDET_WASTE_MAKEUP: X
1929
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1931 sRDET_ASSAY_DT: 08-SEP-97
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1934 sRDET_TOT_BG_CI: 10
1935 sRDET_TOT_DE_CI: 1
1936 sRDET_TOT_PU_FGE: 0
1937 sRDET_WASTE_MAKEUP: X
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1944 sRDET_TOT_DE_CI: 2000
1945 sRDET_TOT_PU_FGE: 210
1946 sRDET_WASTE_MAKEUP: X
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1948 sRDET_PKG_ID:crl OTP-CRT-PI-001
1949 sRDET_ASSAY_DT: 04-SEP-97
1950 sRDET_SWTPY_GROUP: TRU
1951 sRDET_TOT_BG_CI: 10
1952 sRDET_TOT_DE_CI: 50
1953 sRDET_TOT_PU_FGE: 5
1954 sRDET_WASTE_MAKEUP: X
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1956 sRDET_PKG_ID:crl OTP-CRT-PI-002
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1959 sRDET_TOT_BG_CI: 10
1960 sRDET_TOT_DE_CI: 50
1961 sRDET_TOT_PU_FGE: 5
1962 sRDET_WASTE_MAKEUP: X
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1964 sRDET_PKG_ID:crl OTP-CRT-PI-003
1965 sRDET_ASSAY_DT: 04-SEP-97
1966 sRDET_SWTPY_GROUP: TRU
1967 sRDET_TOT_BG_CI: 10
1968 sRDET_TOT_DE_CI: 50
1969 sRDET_TOT_PU_FGE: 5
1970 sRDET_WASTE_MAKEUP: X
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1972 sRDET_PKG_ID:crl OTP-CRT-PI-004
1973 SRDET_ASSAY_DT: 04-SEP-97
1974 SRDET_SWYP_GROU: TRU
1975 SRDET_TOT_BG_CI: 10
1976 SRDET_TOT_DE_CI: 50
1977 SRDET_TOT_BU_FGE: 5
1978 SRDET_WASTE_MAKEUP: X
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1980 SELECT SWITS_RADDDETAIL
1981 SELECT SWITS_RELOCHIST
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1987 sCONR_FROM_PKG_ID: crl OTP-CRL-PI-002
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1990 sCONR_REL_CD: M
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1993 sCONR_TO_PKG_ID: crl OTP-CRL-PO-003
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1995 sCONR_REL_CD: M
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2000 sCONR_REL_CD: M
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2003 sCONR_TO_PKG_ID: crl OTP-CRT-PO-001
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2005 sCONR_REL_CD: M
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2015 sCONR_REL_CD: M
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2017 sCONR_FROM_PKG_ID: crl OTP-CRT-PI-004
2018 sCONR_TO_PKG_ID: crl OTP-CRT-PO-004
2019 sCONR_DT: crl 04-SEP-97
2020 sCONR_REL_CD: M
2021
2022 SELECT SWITS_CONREL
2023 SELECT SWITS_SHIPHIST
2024 SELECT SWITS_SHIPMENT
2025 SELECT SWITS_SHIPITEM
2026 SELECT SWITS_VERIFICATION
Final Report

KEH Imaging Passive Active Neutron Assay and Control System

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Facility: HANFORD WRAP FACILITY - None

Application Version: 3.21, Formula Version: 3.01

Data taken with Version: 3.21/3.01 on Machine: PANA

No Secondary Identification

55

Weight: 22.0000

Database Name: 971003.ASY

Starting Time: 031097:0310

Runs in Database: 1

Run Number: 1

Active grabs: 16  Passive grabs: 16

Final Results to SIE

Pu239 Effective 5.903478e+004 mg

THU Pu239 Effective 2.503998e+003 mg

Pu240 Effective 6.988067e+001 mg

THU Pu240 Effective 6.988067e+000 mg

Moderator Index 3.571428e-002

Absorber Index 3.000000e+000

Alpha-n to Spont. Fission Index 0.000000e+000

Assay Results

Intermediate Quantities

Abs Idx 3.000000

Moderator 0.035714

Average Act Rad 6.590109 cm

Average Act Ht 48.540657 cm

Average Pas Rad 16.248302 cm

Average Pas Ht 46.947170 cm

Active Tot Effic 0.126500

Passive Tot Effic 0.126500

Act Mult Effic 0.000000

Pass Mult Effic 0.028620

Act Mult Response 0.281681

Matrices Selected

Passive Matrix: #S1255 G #ABSOR512 #MOD3.33 PASS Light 12/17/95 XL 6/24/96 RMB

Active Matrix: #S1255 G #ABSOR512 #MOD3.33 ACT LIGHT 12/17/95 JTC

Item Value Error

Passive Totals Rate 3.782416e+003 3.650985e-002 cps

Pu-240 Mass (Totals Imaging) 1.915843e+005 mg

Pu-240 Mass 6.988067e+000 mg

Total Passive Count Time 2.837586e+006 s

Total Fissile Signal 2.800001e+001 1.283852e-002

Net Fissile Signal 2.799407e+001 1.283929e-002

Pu-239 Mass 5.903478e+004 mg

Pu-239 Mass 0.000000e+000 mg

Total Active Count Time 4.433729e+005 s
Specific Message Type : RESG
Drum Identification : OTP-CRL-PO-004
Number of Radionuclides : 25

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Pu-239 0.000000e+00 0.000000
Pu-240 0.000000e+00 0.000000e+00
Pu-241 0.000000e+00 0.000000e+00
Pu-242 0.000000e+00 0.000000e+00
Am-241 0.000000e+00 0.000000e+00

Number of Peaks : 4
Energy Centroid Net Peak Area Uncert on Area
150.404099 1073.458008 78.071465
1875.364746 10322.081055 104.534653
2814.644775 273.566071 17.143778
3628.752197 40539.437500 201.354019

Live Time : 6.275800e+02
Real Time : 6.293200e+02

YUDS data
0.985143 0.172547
0.000000 0.000000

Number of Segments : 10
Pu Activity Matrix Correction Method 1 2 3 4 5
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0.000000 0.000000 0.000000 0.000000 0.000000
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Number of ROIs : 3

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ECAL data

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143012 10-09-97 09:56:39 N PCSRDM~RDMS~
143013 10-09-97 09:56:40 N DMSPCS~SDMS~00000000~1000~FUNCTIONING PROPERLY~
143014 10-09-97 09:57:24 N PCSRDM~RDMS~
143015 10-09-97 09:57:25 N DMSPCS~SDMS~00000000~1000~FUNCTIONING PROPERLY~
143016 10-09-97 09:58:09 N PCSRDM~RDMS~
143017 10-09-97 09:58:10 N DMSPCS~SDMS~00000000~1000~FUNCTIONING PROPERLY~
143018 10-09-97 09:58:21 N PCSDMS~CL~3085379883~TRUWENTRY~ "1" OTP = COLD = TD = 01~
143019 10-09-97 09:58:22 N DMSPCS~FML~TRU GLVEBX = 2.9000000E+02 = F~
143020 10-09-97 09:58:23 N DMSPCS~FML~AREA_3 = 3.3200000E+02 = T~
143021 10-09-97 09:58:25 Y PCSRDM~LONG RAW DATA ELEMENT (msglog_string2) HAS ENTIRE MESSAGE.
143022 10-09-97 09:58:26 N DMSPCS~SDMS~00400000~1011~UNRECOGNIZED MESSAGE FROM PCS SEQ# = 143021~
143023 10-09-97 09:58:37 N PCSRDM~RDMS~
143024 10-09-97 09:58:38 N DMSPCS~SDMS~00000000~1000~FUNCTIONING PROPERLY~
143025 10-09-97 09:58:54 N PCSRDM~RDMS~
143026 10-09-97 09:58:55 N DMSPCS~SDMS~00000000~1000~FUNCTIONING PROPERLY~
143027 10-09-97 09:59:39 N PCSRDM~RDMS~

DATA FOR EXCEPTION 32
HNF-SD-W026-OTR-018, Rev. 1, DMS-162

COLDRUN 11/3/97 FINAL DATA

CON_PKG_ID OTP-COLD-MT-01
CON_ACCUM_DT 13-OCT-97 15:53:02
CON_CNTYP_CD DM
CON_GROSS_WGT 1.17
CON_LABPACK_FLAG N
CON_LOCN_FACIL_ID 2336W
CON_PHYS_STATE_CD S
CON_PKG_DT 13-OCT-97 15:53:02
CON_PKG_STATUS G
CON_SIZE_DESCR 55 GALLON
CON_SRCE_FACIL_ID 202A
CON_TARE_WGT 21
CON_WASTE_WGT -19.83

RDET_PKG_ID OTP-COLD-MT-02
RDET_SEAL_NUM SEAL MT-02
RDET_SWTYP_GROUP TRU

PHYS_PKG_ID OTP-COLD-MT-02
PHYS_COMP_DESCR CLOTH/RAGS/ NYLON
PHYS_COMP_VOL_PCT 70
PHYS_COMP_WGT 13.6

PHYS_PKG_ID OTP-COLD-MT-02
PHYS_COMP_DESCR PLASTIC/POLYURETHANE
PHYS_COMP_VOL_PCT 30
PHYS_COMP_WGT 4.1

CONEXT_PKG_ID OTP-COLD-MT-01
CONEXT_CNTR_STATUS F
CONEXT_NDA_DRUM_STATUSCERT 
CONEXT_PROF_ID ROUTE9
CONEXT_RADMAT_ID F
CONEXT_ROUTE_CD 4
CONEXT_TOT_PKG_FGE 5
CONEXT_USE_CD PD
CONEXT_VER_GROSS_WGT 16.25
CONEXT_VER_GROSS_WGT_FLAG N
CONEXT_WRAP_STAT_CD C

RDET_PKG_ID OTP-COLD-MT-01
RDET_SWTYP_GROUP TRU

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CONLOC_DT 31-OCT-97 14:44:40
CONLOC_LOCN_ID DISCHCVRW

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CON_GENER_WASTE_DESCR PRODUCT DRUM FROM 202E
CON_GROSS_WGT 25
CON_LABPACK_FLAG N
CON_LOCN_FACIL_ID 2336W
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CON_PKG_DT 13-OCT-97 15:53:02
CON_PKG_STATUS G
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CON_SCAT_CD ANY
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CON_TARE_WGT 21
CON_WASTE_WGT 4

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CONEXT_NDA_DRUM_STATUSCERT 
CONEXT_PROF_FLAG Y
CONEXT_PROF_ID TRU-10
CONEXT_RADMAT_ID F
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CONEXT_USE_CD PD
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CONEXT_VER_GROSS_WGT_FLAG N
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PHYS_COMP_DESCR HAZARDOUS CONSTITUENTS
PHYS_COMP_VOL_PCT 35
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PHYS_COMP_DESCR PLASTIC/POLYURATHANE
PHYS_COMP_VOL_PCT 5
PHYS_COMP_WGT 2
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HAZ_COMP_ID 64742-63-8
HAZ_COMP_TEXT Refined Petroleum Oil
HAZ_COMP_WGT 2
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HAZ_COMP_ID 67-64-1
HAZ_COMP_TEXT ACETONE
HAZ_COMP_WGT 3
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CONR TO PKG_ID OTP-COLD-MT-03
CONR_DT 13-OCT-97 14:30:08
CONR_REL_CD C
CONR FROM PKG ID OTP-CRT-TC-002
CONR TO PKG_ID OTP-COLD-MT-03
CONR_DT 13-OCT-97 14:30:08
CONR_REL_CD C
CONR FROM PKG ID OTP-CRT-TC-003
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CONR_DT 13-OCT-97 14:30:08
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CONR FROM PKG ID OTP-CRT-TC-004
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CONR FROM PKG ID OTP-CRT-TC-005
CONR TO PKG_ID OTP-COLD-MT-03
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CON_PKG_DT 14-OCT-97 07:39:30
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CON_PKG_TYPE_CD R
CON_SCAT_CD ANY
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CON EXT_MDA DRUM STATUSCERT
CON EXT_PROF_FLAG Y
CON EXT_PROF_ID TRU-10
CON EXT_RADMAT ID R
CON EXT_ROUTE_CD 4
CON EXT_TOT_PK FGE
CON EXT_USE_CD PD
CON EXT_VER_GROSS_WGT 16.9
CON_EXT_VER_GROSS_WGT_FLAGN
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RDET_SEAL_NUM SEAL MT-04
RDET_WTP/GROUP TRU
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PHYS_COMP_DESCR METAL/IRON/GALVANIZED/SHEET
PHYS COMP_VOL_PCT 10
PHYS_COMP_WGT 4
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PHYS_COMP_DESCR PLASTIC/POLYURATHANE
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