WP 05-WH1025

Revision 10

CH Waste Downloading and Emplacement

Technical Procedure

EFFECTIVE DATE: 04/30/13

Randy Britain
APPROVED FOR USE
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## CHANGE HISTORY SUMMARY

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<th>REVISION NUMBER</th>
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<tr>
<td>3</td>
<td>10/11/10</td>
<td>• Corrected reference in step 2.27 and Attachment 1 from WP 05-WH.01 to WP 05-WH.02</td>
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</table>
| 4               | 06/17/11    | • Removed bullets in Precautions and Limitations on:  
- Propane powered vehicles prohibited underground  
- Designated storage areas  
- Surveillance Requirement 4.4.2.1 completion  
- Operators PPE requirements for connecting/disconnecting 480 volt power  
- Need for additional fire fighters for back shift  
- Made bullet referring to step 2.14 and 2.14.3 into a Note above the step it references  
- Added to bullet in Precautions and Limitations on spotter required to move waste to include qualified radiological control technician also needed  
- Added JHAs to Baseline Documents  
- Changed WH to WHT in steps 1.2, 1.3, 2.25, and 3.4  
- Switched step 1.4 and step 1.5  
- Removed Note from above steps 1.5 and 2.23  
- Removed steps 1.8, 1.12, 2.19, 2.20, 2.20.1, 2.22, bullet after step 2.22, and step 2.31  
- Added new steps 1.9, 2.1, 3.3, and 3.5  
- Made steps 2.2 and 2.3 bullets under new step 2.3  
- Put new Note above steps 2.13 and 2.25  
- Moved Note from above step 2.22 to above step 2.18  
- Made 2nd bullet after step 2.22 into new step 2.20  
- Added wording in step 2.27 on able to perform at anytime  
- Added wording in step 2.28 on verifying activity prior to exiting Radiological Buffer area  
- Added wording "when necessary" to step 2.29 |
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| 5               | 06/28/11    | - Precautions and Limitations  
- Page 7 added to two bullets on "WHEN NOT ATTENDED"  
- Page 8 deleted LCO from one bullet  
- Updated LCO references  
- Step 1.6, Step 2.3, 3.5, 4.1.1  
- Step 2.22 added "IF swipes were taken in Step 2.21, THEN RCT monitor swipes." |
| 6               | 08/03/11    | - Added new Precaution and Limitation on RCT or RCE to provide continuous observation.  
- Added new steps 1.4, 1.5, and 1.6.  
- Added Notes above 1.0 and 1.4.  
- Switch steps 1.9 and 1.10.  
- Added sign off for step 1.6 to Attachment 1. |
| 7               | 09/13/11    | - Updated Reference section to add key steps to procedure per 15-PS3002.  
- Added to Note above step 2.5 on only one assembly emplaced on top of each SLB2.  
- Added new step 2.18 on emplacing SLB2.  
- Added to step 2.24 on placing payload on or close to line marked if applicable.  
- Added new step 2.25 on measure out in front of SLB2 and mark it.  
- Added to step 3.1 "as directed by the WHE or WHM." |
| 8               | 04/30/12    | - Added Note above step 3.1 for MgO being placed only on columns in even numbered rows.  
- Added to step 3.1 for column in even numbered rows being complete for supersack.  
- Added step 3.1.1, IF and THEN statement for MgO excess factor calculations. |
| 9               | 11/29/12    | - Added bullet under Precautions and Limitations and inserted 2.24 directing operators to use WP 05-WH1058 regarding reach over emplacement.  
- Added bullet under Precautions and Limitations and in NOTE before Performance 2.18 directing operators to complete the last row in the waste face, then to download three SLB2s sequentially.  
- Former steps 2.27 and 2.28 moved to end of section 2.0, renumbered as 2.30 and 2.31. |
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| 10              | 04/30/13   | • Changed “Quality Level-1” to “Management Level-1 or equivalent” in Equipment section, first bullet.  
• Added Note above step 2.24 for emplacing SCA payloads.  
• Added step 2.26 regarding SCA payloads.  
• Added Note above step 3.1 for MgO on SCA payloads.  
• Replaced attachment 2 with updated figure. |
INTRODUCTION 1,2

This procedure provides instructions for preparing the contact-handled (CH) waste payloads for downloading and emplacement in the underground (U/G) disposal area.

Performance of this procedure generates the following record(s), as applicable. Any records generated are handled in accordance with departmental Records Inventory and Disposition Schedules.

- Attachment 1 - CH Downloading and Emplacement Data Sheet
- Attachment 3 - Supersack/BRT Emplacement Data Sheet
- U/G Emplacement Map
- Narrative Logbook

<table>
<thead>
<tr>
<th>DOCUMENT NUMBER AND TITLE</th>
<th>BASELINE DOCUMENT</th>
<th>REFERENCED DOCUMENT</th>
<th>KEY STEP</th>
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<tr>
<td>Title 10 Code of Federal Regulations (CFR) Part 71, &quot;Packaging and Transportation of Radioactive Material&quot;</td>
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<td>10 CFR Part 835, &quot;Occupational Radiation Protection&quot;</td>
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<td>40 CFR Part 761, &quot;Polychlorinated Biphenyls (PCBs) Manufacturing, Processing, Distribution in Commerce, and Use Prohibitions&quot;</td>
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## REFERENCES

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<td>JHA PROD-426, SLB2 Handler</td>
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## EQUIPMENT

- Large plastic ties or other securing materials, as required
- Management Level-1, or equivalent, Absorbent Material (socks), as required
- Cutters, as required
• Work Gloves, as required
• Tape measure or ruler, as required

PRECAUTIONS AND LIMITATIONS

NOTE

Unless otherwise noted, steps are performed by waste handling (WH).

The Technical Safety Requirements (TSRs) contain Limiting Conditions for Operation (LCOs) and Specific Administrative Controls (SACs) which provide specific preventative or mitigative limits and required actions for identified accident scenarios. Failure to comply with LCOs or SACs may constitute a violation and must be immediately reported to the Facility Shift Manager (FSM). The step affected by the LCO/SAC is followed by the LCO/SAC number in bold brackets (e.g., [LCO 3.X.X]). Applicable LCO/SAC Surveillance Data Sheets SHALL be completed as required by WP 04-AD3001.

The specific safety requirements that apply during performance of this procedure are as follows:

• The fire suppression system on the WASTE HANDLING EQUIPMENT selected for use SHALL be OPERABLE. [LCO 3.1.2]
• The lube truck SHALL be prohibited in DISPOSAL ROOMS at all times. [LCO 3.3.5]
• The lube truck SHALL be prohibited in the VEHICLE EXCLUSION ZONE at all times.
• The TRANSPORT PATH SHALL be established prior to WASTE movement (the transport path is situationally determined). [LCO 3.3.6]
• A VEHICLE EXCLUSION ZONE SHALL be established to escort the WASTE through the TRANSPORT PATH with a leading and lagging escort. [LCO 3.3.6]
• The VEHICLE EXCLUSION ZONE SHALL be maintained from the S-400/E-140 intersection to the DISPOSAL ROOM entrance. [LCO 3.3.6]
• WASTE SHALL be moved in a VEHICLE EXCLUSION ZONE. [LCO 3.3.6]
• Non-WASTE handling vehicles/equipment SHALL be prohibited in the VEHICLE EXCLUSION ZONE. [LCO 3.3.6]
- Only one liquid-fueled vehicle/equipment SHALL be in the VEHICLE EXCLUSION ZONE. [LCO 3.3.6]

- Liquid-fueled vehicle/equipment and non-WASTE handling equipment may enter the VEHICLE EXCLUSION ZONE to repair OR replace disabled WASTE HANDLING EQUIPMENT.

- Only WASTE HANDLING EQUIPMENT selected for WASTE HANDLING ACTIVITIES may approach the WASTE FACE during emplacement. [LCO 3.3.7]

- Non-WASTE handling vehicle/equipment supporting emplacement activities SHALL be ≥ 25 feet from the WASTE FACE when not ATTENDED. [LCO 3.3.7]

- Liquid-fueled WASTE HANDLING EQUIPMENT emplacing WASTE SHALL be ATTENDED. [LCO 3.3.7]

- Liquid-fueled vehicles/equipment SHALL be ≥ 25 feet from the WASTE FACE when not ATTENDED. [LCO 3.3.8]

- The WASTE hoist conveyance SHALL be present prior to moving waste into the shaft entry room. [LCO 3.5.2]

- The moving front of a WASTE array is an ACTIVE WASTE FACE and becomes STATIC when WASTE emplacement or retrieval has not occurred in ≥ 10 days or sooner, when declared by Waste Handling Operations.

- A STATIC WASTE FACE SHALL BE protected by one or more of the following:
  - Bulkhead installed
  - Chain link / brattice installed
  - Absorbent material placed along the bottom edge

- CH WASTE SHALL BE secured to the facility pallet AND the facility pallet SHALL BE secured to the transporter.

- Only personnel qualified as a CH Floor Yard and Emplacement Technician, or trainees operating under the direct supervision of a qualified Floor Yard and Emplacement Technician, are authorized to perform the waste handling activities specified in this procedure.
• Emergency response events that require cessation of this procedure, such as a radiological event, must be performed in accordance with WP 05-WH4401 and WP 12-HP4000.

• Waste assembly/magnesium oxide (MgO) may be emplaced in two rows in parallel, but reach over emplacement will be performed per WP 05-WH1058.

• Abnormal event(s) in which cessation of this procedure takes place must be in accordance with WP 05-WH1058 (e.g., torn slip sheet, movement of emplaced containers, return of waste to surface, emplacement of MgO [magnesium oxide] column support stands [hereafter referred to as BRTs], and reaching over for waste MgO emplacement).

• If procedure cannot be performed as written, Waste Handling Engineer (WHE) shall be contacted.

• If automatic fire suppression system becomes inoperable with waste on the equipment, the equipment with the waste shall be placed in a safe condition, the WHE shall be notified, and a fire watch shall be posted.

• A spotter and a qualified radiological control technician are required when moving WASTE.

• A qualified spotter is required, as a passenger on the transporter, when moving waste.

• The U/G Radiological Control Technician (RCT)/Radiological Control Engineer (RCE) is required to provide continuous observation and control of the waste so that no postings are required during transportation of the waste from the Waste Shaft Collar to the U/G disposal panel. The U/G RCT/RCE will remain with the waste at all times until it is within an area posted for its radiological hazard.

• Based on waste availability, if downloading SLB2s, the preferred method should be to complete the last row in the waste face, then download three SLB2s sequentially to create a full row of SLB2s. SLB2s may still be downloaded and emplaced individually as needed.

PREREQUISITE ACTIONS

1.0 WHE, record shipment number, and outer containment assembly (OCA) body serial number on attachment 1.

SIGN-OFF
2.0 WHE, ensure shipment has been received into the WIPP Waste Information System (WWIS)/Waste Data System (WDS) prior to emplacement.

SIGN-OFF

PERFORMANCE

NOTE
Steps 1.2 and 1.3 can be signed off after step 1.4 (see attachment 1).

1.0 WASTE DOWNLOADING

1.1 Ensure preoperational checks for the conveyance loading car have been completed in accordance with WP 05-WH1406, prior to downloading.

1.2 Waste Handling Technician (WHT), ensure waste handling building (WHB), including the shaft access area, and the U/G are configured for CH WASTE HANDLING MODE.

SIGN-OFF

1.3 WHT, ensure payload assemblies are properly secured to facility pallet, in good condition, and there are no signs that a release has occurred.

SIGN-OFF

1.4 Load facility pallet on conveyance loading car.

SURFACE RCT/RCE

NOTE
Steps 1.5 and 1.6 are performed by the RCT/RCE assigned to downloading waste from the CH Bay.

1.5 RCT/RCE, perform the following:

- Ensure the U/G RCT is at the Waste Shaft Station.
- Inform the U/G RCT of the impending transport of the facility pallet and radiological hazards associated with the waste on the pallet.
SURFACE

1.6 RCT/RCE, record (print name) U/G RCT/RCE receiving waste.

SIGN-OFF

1.7 Prior to opening Door 156, verify the waste hoist conveyance is staged at collar for loading. [LCO 3.5.2]

1.8 Complete the Surveillance Data Sheet(s), EA04AD3001-SR30, for LCO 3.5.2 and SR 4.5.2.1, as found in WP 04-AD3001.

1.9 RCT/RCE, inspect the collar to ensure no non-essential personnel are around the collar and personnel remaining at the collar have required dosimetry.

1.10 Open Door 156.

1.11 Load facility pallet on waste hoist conveyance.

1.12 Transfer waste to U/G.

2.0 WASTE EMPLACEMENT

NOTE

Unless otherwise directed by WHM, waste will be emplaced in disposal panel in a sequential room-to-room manner, beginning with furthermost accessible room. Waste emplacement will begin at ventilation bulkhead in exhaust drift, and emplaced to beginning of disposal room. Waste will then be emplaced in disposal room to beginning of access drift. Waste will then be emplaced in access drift to a point approximately parallel with ventilation bulkhead in exhaust drift.

2.1 RCT, activate the Underground Waste Transit Notification System (amber lights and/or U/G Services) prior to transporter exiting Waste Station.

2.2 Load facility pallet with waste, onto transporter.

2.3 Perform the following:

- Ensure waste container(s) are secured to the facility pallet and the facility pallet is secured to the transporter.

- Remove folder with paperwork.
NOTE
The WASTE TRANSPORT PATH is defined as the route from S-400/E-140 to the active panel/room. When the Waste In Transit lights are activated, the WASTE TRANSPORT PATH is established. In the event the Waste In Transit lights become inoperable, movement of waste must stop and U/G Services is to be notified. The roving watch must sweep the WASTE TRANSPORT PATH and make notification via the mine pager system that waste is in transit.

2.4 Establish a WASTE TRANSPORT PATH prior to WASTE movement. The TRANSPORT PATH is situationally determined. [LCO 3.3.6]

2.5 Establish a VEHICLE EXCLUSION ZONE to escort the WASTE through the TRANSPORT PATH with the leading and lagging escort. [LCO 3.3.6]

2.6 The VEHICLE EXCLUSION ZONE SHALL be maintained from the S-400/E-140 intersection to the DISPOSAL ROOM entrance. [LCO 3.3.6]

2.7 Only one liquid-fueled vehicle SHALL be in the VEHICLE EXCLUSION ZONE. [LCO 3.3.6]

2.8 Ensure WASTE is moved within the VEHICLE EXCLUSION ZONE. [LCO 3.3.6]

2.9 Ensure NON-WASTE HANDLING VEHICLES/EQUIPMENT are NOT within the VEHICLE EXCLUSION ZONE. [LCO 3.3.6]

2.10 Complete the Surveillance Data Sheet(s), EA04AD3001-SR23, for LCO 3.3.6, SR 4.3.6.1, and SR 4.3.6.2, as found in WP 04-AD3001.

2.11 Transport waste to waste emplacement area.

2.12 Complete the Surveillance Data Sheet(s), EA04AD3001-SR37, for LCO 3.3.6 and SR 4.3.6.3, as found in WP 04-AD3001.
Steps 2.13 through 2.13.3 may be performed any time prior to the first waste emplacement in a new disposal room.

2.13 **IF** performing first WASTE emplacement in a new DISPOSAL ROOM, **THEN** perform the following:

2.13.1 Place absorbent material as close as possible to the chain link fence to a height of $\geq$ 4.5 inches across the entire base of the chain link overlapping each section of absorbent material by approximately 12 inches and continuing along both walls of the DISPOSAL ROOM for approximately 2 ft.

2.13.2 Secure absorbent material (socks) together where they overlap and/or need to be secured to each other using plastic ties or other securing material to prevent inadvertent separation.

2.13.3 Complete the **Surveillance Data Sheet(s)**, EA04AD3001-SR28, for **LCO 3.4.2** and **SR 4.4.2.1**, as found in WP 04-AD3001.

Step 2.14 may be performed at any time after waste arrives at the disposal room.

2.14 **U/G RCT**, contact waste station to de-energize waste transport notification system.

2.15 **ONCE EACH SHIFT** while in WASTE HANDLING MODE, verify only one WASTE HANDLING EQUIPMENT is emplacing WASTE. [**LCO 3.3.7**]

2.16 **ONCE EACH SHIFT** while in WASTE HANDLING MODE, verify NON-WASTE HANDLING EQUIPMENT is $\geq$ 25 ft from WASTE FACE. [**LCO 3.3.7**]

Step 2.17, the **Surveillance Data Sheet(s)** for **SR 4.3.7.1** and **4.3.7.3** must be completed once each shift but may be completed at any time while in WASTE HANDLING MODE.

2.17 Complete **Surveillance Data Sheet(s)**, EA04AD3001-SR24, for **LCO 3.3.7**, **SR 4.3.7.1**, and **4.3.7.3**, as found in WP 04-AD3001.
NOTE
Emplacement data and/or bar code scans may be performed at any time during the remainder of this procedure.

Based on waste availability, if downloading SLB2s, the preferred method should be to complete the last row in the waste face, then download three SLB2s. SLB2s may still be downloaded and emplaced individually as needed.

2.18 If emplacing a SLB2, perform the following:

2.18.1 Before emplacing a SLB2, measure out nominally one foot from the existing waste face row/column and mark it. Connect all marks together as applicable for SLB2 emplacement.

2.19 Remove ratchet straps from payload(s).

CAUTION
All pulling movements performed by the push/pull attachment should be conducted at a slow rate of speed. This will minimize the likelihood of tearing a slip sheet.

CAUTION
Weight of payload may suddenly shift from facility pallet to forklift.

2.19.1 Pull payload onto the push/pull attachment, ensuring an appropriate angle and height is maintained.

OR

2.19.2 Using SLB2 Handler remove SLB2 from facility pallet, ensuring Center of Gravity (CG) is towards SLB2 Handler.

2.20 IF slip sheets tear and are unable to pull payload, THEN GO TO applicable section of WP 05-WH1058 AND return to step 2.21.

2.21 WHT, remove payload net from payload assembly (if not already performed).
NOTE
Payload assembly may be emplaced into waste stack while contamination surveys are being performed.

2.22 RCT, perform the following:

- IF payload pallet has been in contact with drum assembly, THEN perform contamination swipes on payload pallet.
- IF required to split drum assemblies, THEN perform contamination swipes on newly exposed areas.

2.23 IF swipes were taken at step 2.22 THEN RCT, monitor swipes for gross levels of activity.

CAUTION

Criticality Safety Administrative Control: Waste shall be stacked no greater than three drums or boxes high in the disposal area.

NOTE
Ten-drum overpacks (TDOPs) and Standard Large Boxes (SLB2) shall be placed on the bottom of the column. Four packs of 85-gallon drums and three packs of 100-gallon drums may be placed on top of assemblies of the same type or will be placed on the top of the column only.

NOTE
When emplacing a SLB2, the next sequential row and column must be used for emplacement. Example SLB2 is placed in Rows 78 and 79 in Columns 6 and 5. The emplacement should show Row 79, Column 5.

Only one assembly shall be emplaced on the top of each SLB2.

NOTE
When emplacing Shielded Container Assembly (SCA) payloads, stacks are to be like for like, two high maximum.

2.24 IF a condition exists that causes reaching over for waste emplacement, THEN GO TO the applicable section of WP 05-WH1058, AND return to step 2.29.

2.25 Position payload assemblies into waste stack, placing the payload on or close to the line that was marked, if applicable.
2.26 If emplacing SCA payload, position payload assembly in interstitial areas (1i or 6i).

2.27 Measure out nominally one foot from the front of the SLB2 and mark it. Create a line in front of SLB2, if applicable.

2.28 If starting a new row, mark row number on first payload assembly emplaced.

2.29 **IF** waste that is already emplaced needs to be moved, **THEN GO TO** applicable section of WP 05-WH1058 **AND** return to section 3.0.

2.30 RCT, verify activity on swipes of the payload pallet and newly exposed area is below acceptable limits prior to empty facility pallet exiting active disposal panel Radiological Buffer area.

**SIGN-OFF or N/A**

2.31 WHT, scan a waste container in each of the payload assemblies using WWIS/WDS bar code reader per the Underground Operations Section of WP 05-WH.02, initial attachment 1, and/or fill out Waste Emplacement Location Section.

- **IF** WWIS/WDS bar code reader is not operational, **THEN** record the information on attachment 1.

**SIGN-OFF**

2.32 Update Underground Emplacement Map anytime during the process.
3.0 BACKFILL

NOTE
Supersacks may be placed on completed columns at any time during the process.

NOTE
WHE will perform MgO excess factor calculations at the end of shift when waste emplacement data is uploaded to the WWIS/WDS. WHM must be contacted if the MgO excess factor is less than 1.2.

NOTE
Prior to initiating waste disposal in the air intake drift for each room, the MgO excess factor must be evaluated to determine if additional MgO is required to be emplaced.

NOTE
MgO will initially be placed only on columns in even numbered rows.

NOTE
MgO is not necessary on SCA payloads.

3.1 IF column in an even numbered row is complete,
THEN place supersack on top of the column.

3.1.1 IF MgO excess factor calculations indicate additional MgO is required,
THEN place supersack on top of columns in the odd and even numbered rows until MgO excess factor is obtained, as directed by the WHE or WHM.

3.2 When placing a supersack on top of a column, use WWIS/WDS bar code reader per applicable section of WP 05-WH.02.

3.2.1 IF WWIS/WDS bar code reader is not operational,
THEN record the information on attachment 3.

3.2.2 IF additional MgO is determined to be required by the WHM,
THEN emplace BRTs into the waste array per the applicable section of WP 05-WH1058.

3.3 RCT, ensure radiological posting and boundaries are established in accordance with WP 12-HP1500.
3.4 WHT, record required information on attachment 3, if applicable and initial attachment 1 that completed columns requiring MgO have the necessary MgO emplaced.

SIGN-OFF

3.5 Complete Surveillance Data Sheet(s), EA04AD3001-SR26, for LCO 3.3.8, SR 4.3.8.1, and SR 4.3.8.2 as found in WP 04-AD3001.

4.0 WASTE FACE BARRIER INSTALLATION

4.1 IF final row in the DISPOSAL ROOM has been completed, THEN perform the following:

4.1.1 Place absorbent material as close as possible to the WASTE FACE to a height of ≥4.5 inches across the entire base of the WASTE FACE overlapping each section of absorbent material by approximately 12 inches and continuing along both walls of the DISPOSAL ROOM for approximately 2 ft. [LCO 3.4.2]

4.1.2 Secure absorbent material (socks) together where they overlap and/or need to be secured to each other using plastic ties or other securing material to prevent inadvertent separation.

4.1.3 Use additional absorbent material as needed continuing along both walls of the DISPOSAL ROOM at the edges of the WASTE FACE for approximately 2 ft.

4.1.4 Complete Surveillance Data Sheet(s), EA04AD3001-SR28, for LCO 3.4.2 and SR 4.4.2.1, as found in WP 04-AD3001.

5.0 UPLOAD WWIS/WDS

5.1 WHE, IF WWIS/WDS bar code reader is not operational, THEN GO TO WWIS/WDS Barcode Reader Emplacement Form to upload payload and MgO data in the WWIS/WDS and evaluate MgO excess factor.

5.2 WHE, prior to room closure, ensure MgO excess factor is ≥ 1.2.
6.0 WHE REVIEW

6.1 WHE, ensure the following:

- Attachment 1 is completed properly.
- Attachment 3 is completed properly (if applicable).
- Waste location from attachment 1 is updated in WWIS/WDS database (if applicable).
- Supersack/BRT data from attachment 3 is updated in WWIS/WDS database (if applicable).
- FSM is notified of time and date of the last WASTE emplacement of shift.

6.2 Forward all Surveillance Data Sheet(s) and associated documentation to FSM for review and approval prior to end of shift.
## Attachment 1 – CH Downloading and Emplacement Data Sheet

<table>
<thead>
<tr>
<th>Step No.</th>
<th>DESCRIPTION</th>
<th>INITIAL</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>PREREQUISITE ACTIONS</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1.0</td>
<td>Shipment No.: ________________ OCA Body Serial No.: _____________</td>
<td>WHE</td>
</tr>
<tr>
<td>2.0</td>
<td>Shipment received into WWIS/WDS.</td>
<td>WHE</td>
</tr>
<tr>
<td><strong>PERFORMANCE</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1.2</td>
<td>WHB, including the shaft access area and the U/G are configured for waste handling mode.</td>
<td>WHT</td>
</tr>
<tr>
<td>1.3</td>
<td>Payload assemblies properly secured, in good condition, and there are no signs a release has occurred.</td>
<td>WHT</td>
</tr>
<tr>
<td>1.6</td>
<td>RCT/RCE Receiving Waste:</td>
<td>RCT or RCE</td>
</tr>
<tr>
<td></td>
<td>Print Name (U/G RCT/RCE)</td>
<td></td>
</tr>
<tr>
<td>2.30</td>
<td>Activity on swipes is below acceptable limits.</td>
<td>RCT or N/A</td>
</tr>
<tr>
<td>2.31</td>
<td>Scan a waste container in each of the payload assemblies using WWIS/WDS bar code reader per the Underground Operations Section of WP 05-WH.02, initial Attachment 1, and fill out OR N/A Waste Emplacement Location Section below:</td>
<td>WHT</td>
</tr>
<tr>
<td></td>
<td>• IF WWIS/WDS bar code reader is not operational, THEN record the information below.</td>
<td></td>
</tr>
</tbody>
</table>

### Container Number

<table>
<thead>
<tr>
<th>Row Number</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Column (Left to Right)</td>
<td>Left to Right</td>
</tr>
<tr>
<td>1i 1 2 3 4 5 6 6i</td>
<td>1i 1 2 3 4 5 6 6i</td>
</tr>
</tbody>
</table>

### Place in Stack (Circle Location)

<table>
<thead>
<tr>
<th>Disposal Room</th>
<th>Disposal Panel</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 2 3 4 5 6 7</td>
<td>1 2 3 4 5 6 7 8</td>
</tr>
<tr>
<td>1 2 3 4 5 6 7</td>
<td>1 2 3 4 5 6 7 8</td>
</tr>
</tbody>
</table>

### Completed columns requiring MgO have the necessary MgO emplaced. | WHT |

Performers, enter printed name, signature, date, and initials:

| / | / | / |
| / | / | / |
| / | / | / |
| / | / | / |
| / | / | / |
| / | / | / |
| / | / | / |
| / | / | / |
| / | / | / |

**Printed Name**

<table>
<thead>
<tr>
<th>Signature</th>
<th>Date</th>
<th>Initials</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Attachment 1 – CH Downloading and Emplacement Data Sheet

REMARKS: _____________________________________________________________

_____________________________________________________________________

_____________________________________________________________________

_____________________________________________________________________

_____________________________________________________________________

_____________________________________________________________________

_____________________________________________________________________

REVIEW/VALIDATION: ________________________________________________ / __________________ /

WHE (Print Name) Signature Date
Attachment 2 – Payload Assembly Positioning

- 4 Pack 85 Gallon Columns only or top row
- 3 Pack Shield Containers interstitial spaces only
- 3 Pack 100 Gallon Columns only or top row
- 7 Pack 55 Gallon
- TDOP
- SWB
- SLB2
Attachment 3 – Supersack/BRT Emplacement Data Sheet

Supersack/BRT Placement

<table>
<thead>
<tr>
<th>Row Number</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
</tr>
</thead>
<tbody>
<tr>
<td>Column (Left to Right)</td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>5</td>
<td>6</td>
</tr>
<tr>
<td>Disposal Room</td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>5</td>
<td>6</td>
</tr>
<tr>
<td>Disposal Panel</td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>5</td>
<td>6</td>
</tr>
</tbody>
</table>

Remarks:

Performer: ____________________________ / ____________________________ / ____________________________
Printed Name  Signature  Date

Reviewer: ____________________________ / ____________________________ / ____________________________
Printed Name  Signature  Date

WHE Validation: ____________________________ / ____________________________ / ____________________________
Printed Name  Signature  Date