

1243965

0071382H

FACILITY STATUS CHANGE FORM

Date Submitted: 5/28/2015 Area: 200 West Area Control Number: D4-Outer Area 409

Originator: Brett M. Barnes Facility ID: MO-956

Phone: 509 376-3640 Action Memorandum: DOE/RL-2010-33

This form documents the status of facility decontamination, deactivation, decommissioning, and demolition operations or debris removal in accordance with the applicable regulatory decision documents.

Section 1: Facility Status

Phone: 509 376-3640 Action Memorandum: DOE/RL-2010-33

- [X] All D4 operations required by action memo complete.
[] D4 operations required by action memo partially complete, remaining operation deferred.

Description of Completed Activities and Current Conditions:

The required facility removal actions were performed in accordance with DOE/RL-2010-22, Action Memorandum for General Hanford Site Decommissioning Activities, as amended, and DOE/RL-2010-33, Removal Action Work Plan for Central Plateau General Decommissioning Activities, as amended.

MO-956 was a double-wide mobile trailer used primarily for training and a lunch room. This facility was used by Engineering, Project, and Construction forces.

Demolition of MO-956 was performed during October 2014. Waste associated with this demolition was characterized under Waste Profile Number WP-PRCIF001, Revision 7, and disposed at the Environmental Restoration Disposal Facility.

The following actions were specifically implemented for MO-956:

- Hazardous substances, if present, were removed from equipment (or fixtures) within and around the structure. All hazardous substances removed were characterized and disposed in accordance with waste management applicable or relevant and appropriate requirements (ARARs) and receiving facility waste acceptance criteria.
All utility connections (e.g., electrical) were severed at their source (service point). Connections were also severed at the building entry point at grade.
Historic preservation and ecological resource evaluations were performed in accordance with National Environmental Policy Act of 1969 requirements to address the impacts of demolition at the site (HCRC#88-200-038, ECR-2014-223, Ecological and Cultural Clearance for the Deactivation and Demolition of the Former Engineering, Project, and Construction Site in the 200 West Area).
The MO-956 structure is estimated to weigh approximately 120 tons.
Asbestos sampling results indicated 15% and 20% category 1 nonfriable chrysotile asbestos-containing material (ACM) in the brown and white floor tiles, and 4% category 1 nonfriable chrysotile ACM in the roofing. Sample results confirmed only the black asphaltum roofing contained 5.6% Transmission electron microscopy (TEM) and 9.75% Polycarbonate (PC) category 1 nonfriable chrysotile ACM.
The structure was demolished to grade using heavy equipment (e.g., excavators and track hoes). See Attachment A.
All waste generated during demolition was characterized, shipped, and disposed of in accordance with waste management ARARs and WCH-191, Environmental Restoration Disposal Facility Waste Acceptance Criteria.
The area was leveled and contoured to match the surrounding terrain to ensure that no safety hazards remained.
Radiological surveys were performed after demolition, and results indicated that no radiological constituents were present (Attachment B).

Description of Deferral (as applicable):

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Section 2: Underlying Soil Status

- No waste site(s) present. No additional actions anticipated.
- Documented waste site(s) present. Cleanup and closeout to be addressed under a separate CERCLA Response Action.
- Potential waste site discovered during D4 operations. Waste site identification number <to be> assigned. Cleanup and closeout to be addressed under a separate CERCLA Response Action.

Description of Current/As-Left Conditions:

The underlying soil of MO-956 will not be a documented or potential waste site. Visual inspection of the underlying soil confirmed no visible staining from potential hazardous substances. Post-demolition radiological surveys of the underlying soil did not detect the presence of radiological contamination.

Identification of Documented Waste Site(s) or Nature of Potential Waste Site Discovery (as applicable):

The area surrounding MO-956 was researched for potential waste sites. No potential waste sites were discovered or identified during this review or as a result of implementation of the demolition activities.

Section 3: Total D4 Cost

Costs associated with dispositioning this facility are \$140,820.

Section 4: List of Attachments

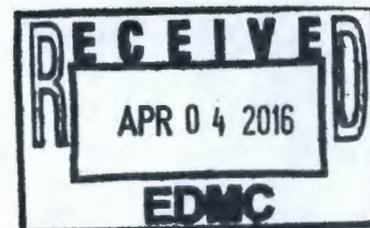
Attachment A: Project Photographs of MO-956 (Pre-Demolition, During Demolition, and Post-Demolition)

Attachment B: Radiological Survey Report

Wade Woolery
DOE-RL (Print)

[Signature]
Signature

Feb 17, 2016
Date



FACILITY STATUS CHANGE FORM

Date Submitted: 5/28/2015

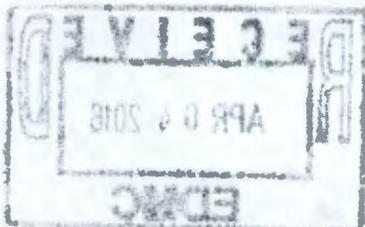
Area: 200 West Area

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Attachment A



MO-956 Pre-Demolition



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MO-956 During Demolition

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MO-956 During Demolition

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MO-956 Post-Demolition

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Attachment B

Radiological Survey

** Electrically Approved - L-1401316 on 10/27/2014 **

| | | |
|--|------------------------------|-------------|
| CH2M HILL PLATEAU REMEDIATION COMPANY RADIOLOGICAL SURVEY REPORT (Submitted for Approval) | RSR No. L-1401316 | Page 1 of 4 |
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| | | | |
|--------------------|--------------------------------|---|------------------------|
| Date 10/13/2014 | Start/Stop Time 0800 / 1500 | Area/Location 200W / Outside Areas / Outside - SW 105KE / MO-956 | RWP/Rev. L-14-336/2 |
|--------------------|--------------------------------|---|------------------------|

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--------------------|-------------|-------------|-------------|-----|-------------------|-----|------------|-----|--------------------|-----|-------------|-----|-------------|-----|-------------|-----|-------------------|-----|------------|-----|--------------------|-----|-------------|---|
| <p>Purpose of Survey:</p> <p><input checked="" type="checkbox"/> Material Clearance</p> <p>Number: CSP-L-14-005-2, CSP-L-14-010-00 Cleared to: D&D workers</p> <p><input type="checkbox"/> Ram Shipment: N/A</p> <p><input type="checkbox"/> Required Task: N/A</p> <p><input checked="" type="checkbox"/> Job Coverage: CP-14-05374</p> <p><input type="checkbox"/> Verification survey $\alpha < \text{D}$ <input checked="" type="checkbox"/> No increase in audible count rate</p> <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:15%; border: 1px solid black;">N/A</td> <td style="width:15%;">Inches/Sec.</td> <td style="width:15%; border: 1px solid black;">N/A</td> <td style="width:15%;">Inches Away</td> </tr> <tr> <td style="border: 1px solid black;">N/A</td> <td>Count Time (Sec.)</td> <td style="border: 1px solid black;">N/A</td> <td>% Surveyed</td> </tr> <tr> <td style="border: 1px solid black;">N/A</td> <td># of Static Counts</td> <td style="border: 1px solid black;">N/A</td> <td>Square Feet</td> </tr> </table> <p><input type="checkbox"/> Verification survey $\beta \gamma < \text{D}$ <input checked="" type="checkbox"/> No increase in audible count rate</p> <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:15%; border: 1px solid black;">N/A</td> <td style="width:15%;">Inches/Sec.</td> <td style="width:15%; border: 1px solid black;">N/A</td> <td style="width:15%;">Inches Away</td> </tr> <tr> <td style="border: 1px solid black;">N/A</td> <td>Count Time (Sec.)</td> <td style="border: 1px solid black;">N/A</td> <td>% Surveyed</td> </tr> <tr> <td style="border: 1px solid black;">N/A</td> <td># of Static Counts</td> <td style="border: 1px solid black;">N/A</td> <td>Square Feet</td> </tr> </table> <p><input type="checkbox"/> Other: N/A</p> | N/A | Inches/Sec. | N/A | Inches Away | N/A | Count Time (Sec.) | N/A | % Surveyed | N/A | # of Static Counts | N/A | Square Feet | N/A | Inches/Sec. | N/A | Inches Away | N/A | Count Time (Sec.) | N/A | % Surveyed | N/A | # of Static Counts | N/A | Square Feet | <p>Description of Work / Comments:</p> <p>Demolish 200W Abandoned CF (PACH) facilities (MO-956) at 200W</p> <p>Comments: Work area around MO-956 was posted as an RBA (for biological vectors) and an asbestos control area. ERDF containers were controlled by the RCT as a localized CA when in use. Whole body surveys were performed upon exiting the RBA when hands-on work was performed on the ERDF containers. The building was demolished with heavy equipment and sprayed with water for asbestos control. Filled containers were surveyed and moved to an RMA queue for later transport. No radiological problems were encountered during this work.</p> <p>RCT added for technical review.</p> |
| N/A | Inches/Sec. | N/A | Inches Away | | | | | | | | | | | | | | | | | | | | | | |
| N/A | Count Time (Sec.) | N/A | % Surveyed | | | | | | | | | | | | | | | | | | | | | | |
| N/A | # of Static Counts | N/A | Square Feet | | | | | | | | | | | | | | | | | | | | | | |
| N/A | Inches/Sec. | N/A | Inches Away | | | | | | | | | | | | | | | | | | | | | | |
| N/A | Count Time (Sec.) | N/A | % Surveyed | | | | | | | | | | | | | | | | | | | | | | |
| N/A | # of Static Counts | N/A | Square Feet | | | | | | | | | | | | | | | | | | | | | | |

Dose Rate Measurements

| No. | Description | Note: F = Field (>30cm) C = Contact (<1 cm) | | | | | | | |
|-----|---|---|-------------|-------------|--------------------|----------------|-------------------------|-------------------------|----------------------|
| | | Dist. (cm) Note: | WD mR/hr | WC mR/hr | CF Non-Penetrating | CF Penetrating | Neutron Dose mrem/hr | Shallow Dose mrem/hr | Deep Dose mrem/hr |
| 1 | Pre-/Post-use ERDFs #3216, 3127, P219, P064, P395 | C | <0.5 | <0.5 | 2 | 1 | N/A | <0.5 | <0.5 |
| 2 | Pre-/Post-use ERDFs #3216, 3127, P219, P064, P395 | 30 | <0.5 | <0.5 | 2 | 1 | N/A | <0.5 | <0.5 |
| 3 | Pre-/Post-use Hitachi Xaxis450 17-4014 | C | <0.5 | <0.5 | 2 | 1 | N/A | <0.5 | <0.5 |
| 4 | Pre-/Post-use Hitachi Xaxis450 17-4014 | 30 | <0.5 | <0.5 | 2 | 1 | N/A | <0.5 | <0.5 |

Date Submitted: 10/21/2014 15:03:00

A-6004-663-SS (Rev. 4)

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-Outer Area 409

FACILITY STATUS CHANGE FORM

** Electronically Approved -- L-1401316 on 10/27/2014 **:

| CH2M HILL PLATEAU REMEDIATION COMPANY RADIOLOGICAL SURVEY REPORT (Submitted for Approval) | | | | | | | | | | RSR No. L-1401316 | | Page 2 of 4 | | | |
|--|--|-------------------|---|---|-----|----------------------------------|------|----------------------|----|----------------------|--------------------------|-------------|-------------------------|-----|--|
| Contamination Measurements | | | | | | | | | | | | | | | |
| † Manually Calculated by RCT | | | | | | | | | | | | | | | |
| No. | Description | Background cpm | | Direct Gross cpm/100 cm ² | | Total dpm/100 cm ² | | Correction Factor | | Type | Removable Gross (cpm) | | dpm/100 cm ² | | |
| | | βy | α | βy | α | βy | α | βy | α | | βy | α | βy | α | |
| 1 | Pre-/Post-use ERDF #3216, 3127, P219, P064, P395 | 220 | 2 | N/A | N/A | N/A | N/A | 10 | 10 | Smear | 200 | 1 | <1000 | <20 | |
| 2 | PAPR units (3) | 220 | 2 | 200 | 1 | <5000 | <100 | 10 | 10 | Smear | 220 | 0 | <1000 | <20 | |
| 3 | APR facepiece | 220 | 2 | 200 | 0 | <5000 | <100 | 10 | 10 | Smear | 200 | 1 | <1000 | <20 | |
| 4 | Pre-/Post-use Hitachi Xaxis450 17-4014 | 220 | 2 | 200 | 1 | <5000 | <100 | 10 | 10 | Smear | 220 | 0 | <1000 | <20 | |

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RADIOLOGICAL SURVEY REPORT (Submitted for Approval)

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Map/Sketch



Map Name: 200 W. Const. Yard

Map Description: ERDF containers and Track Hoe Bucket

| | | | | | | | | | | |
|--------|---|------------|-------|-----|-------------------|-----------------|-------|---------|---|-------------------|
| Legend | Direct Measurement | Air Sample | Smear | LAW | Neutron Dose Rate | Transferability | Field | Contact | Other Distance | Other Measurement |
| | ----- (designation inside) ----- Radiological Area Boundary | | | | | | | | Note: Dose Rates in mrem/hr unless otherwise noted. | |

Date Submitted: 10/21/2014 15:03:00

A-6004-663-SS (Rev. 4)

Date Submitted: 5/26/2015

Area: 200 West Area

Control Number: D4-Outer Area 409

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| Instruments | | | |
| Instrument Type | Bar Code No. | Probe Bar Code No. | Efficiency (Used) |
| LUDLUM 2360 | SCLL8-0426 | DTLLP-0533 | β0.1 α0.1 |
| RO-20 | ICEB4-1553 | N/A | N/A |
| Unless stated otherwise in the "Comments" section, contamination levels for C-14, Fe-55, Ni-59, Ni-63, Se-79, Tc-99, Pd-107, and Eu-155 are ≤ 10 times the b-g contamination levels shown above (see CHPRC-00073, Table 2-2). | | | |
| History | | | |
| 2014-10-16 15:31:14 - Staudt, Douglas - Submitted | | | |
| 2014-10-20 14:17:05 - Staudt, Douglas - UnSubmitted: correct contact dose rate correction factors | | | |
| 2014-10-20 14:20:09 - Staudt, Douglas - Submitted: Corrected dose rate correction factors | | | |
| 2014-10-21 14:15:04 - Staudt, Douglas - UnSubmitted: Change contamination measurements from "posting verification" to "release" | | | |
| 2014-10-21 14:17:06 - Staudt, Douglas - Submitted: Change contamination measurements from "posting verification" to "release" | | | |
| 2014-10-21 15:03:00 - Staudt, Douglas - UnSubmitted: Add CSP for Excavator bucket | | | |
| 2014-10-21 15:12:29 - Staudt, Douglas - Submitted: Added CSP for excavator | | | |

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*** Electronically Approved - L-1401316 on 10/27/2014 ***

User: STAUDI, DOUGLAS (H0032586)
Title: Contributor
Date: Tuesday, October 21, 2014, 3:12 PM Pacific Standard Time

User: MYERS, STEVEN (H7901859)
Title: Contributor
Date: Wednesday, October 22, 2014, 7:11 AM Pacific Standard Time

User: BIGGS, DANIEL (H6820981)
Title: Reviewer
Date: Sunday, October 26, 2014, 11:04 AM Pacific Standard Time