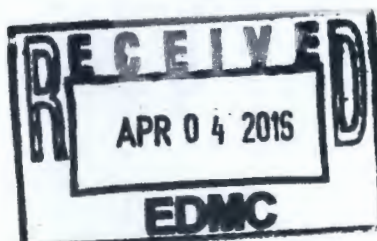


1243964
[0071383H]

FACILITY STATUS CHANGE FORM		
Date Submitted: 5/28/2015	Area: 200 West Area	Control Number: D4-BOW-054
Originator: Brett M. Barnes		Facility ID: MO-847
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		
☒ 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-847 consisted of a single-wide mobile restroom. This facility was primarily used by Engineering, Project, and Construction forces. Demolition of MO-847 was performed during September and October 2014. Waste associated with this demolition was characterized under Waste Profile Number WP-PRCIF003, Revision 0, and disposed at the Environmental Restoration Disposal Facility. The following actions were specifically implemented for MO-847: • 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-847 structure is estimated to weigh approximately 20 tons. • Asbestos sample results indicated that no nonfriable asbestos was present. • The structure was demolished to grade using heavy equipment (e.g., excavators and track hoes). • 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.		
Description of Deferral (as applicable): Not applicable. No activities were deferred for this removal action. The structure and surrounding terrain are nonradiological. Visual inspection of the area revealed no evidence of staining (e.g., potential hazardous substances resulting from spills or other events).		



200-WA-1

FACILITY STATUS CHANGE FORM

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-054

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-847 will not be a documented or potential waste site. Facility demolished, remaining concrete slab left in place. 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-847 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 \$23,470.

Section 4: List of Attachments

Attachment A: Project Photographs of MO-847 (Pre-Demolition, During Demolition, and Post-Demolition)

Attachment B: Radiological Survey Report

Wade Woolery
DOE-RL (Print)

Wade Woolery
Signature

Feb 17, 2016
Date

FACILITY STATUS CHANGE FORM

Date Submitted: 5/28/2015

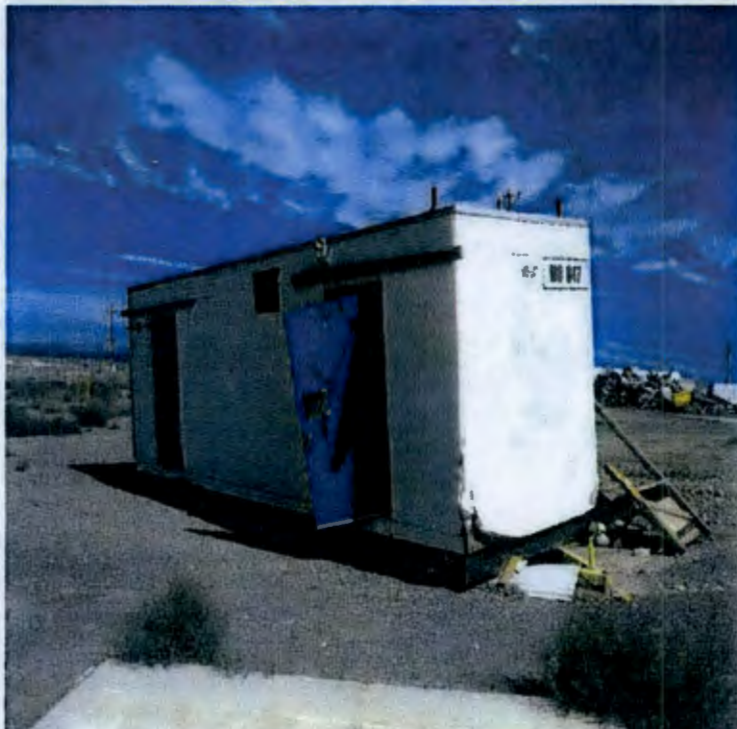
Area: 200 West Area

Control Number: D4-BOW-054

Attachment A



MO-847 Pre-Demolition



MO-847 During Demolition

FACILITY STATUS CHANGE FORM

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-054



MO-847 Post-Demolition

FACILITY STATUS CHANGE FORM		
Date Submitted: 5/28/2015	Area: 200 West Area	Control Number: D4-BOW-054

Attachment B
Radiological Survey Report

Electronically Approved - L-1400509 on 5/16/2014

CH2M HILL PLATEAU REMEDIATION COMPANY						RBR No.		Page 1 of 13							
RADIOLOGICAL SURVEY REPORT (Submitted for Approval)						L-1400509									
Date		Start/Stop Time		Area/Location		RWP/Rev.									
5/9/2014		0600 / 1630		200W / Outside Areas / N/A / 200W Construction Shop Complex, north of 19th St		N/A									
Purpose of Survey: ☐ Material Clearance Number: N/A Cleared to: N/A ☐ Ram Shipment: N/A ☐ Required Task: N/A ☐ Job Coverage: N/A ☐ Verification survey $\alpha = <D$ <D-No increase in audible count rate 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 ☐ Verification survey $\beta\gamma = <D$ <D-No increase in audible count rate 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 ☒ Other: Good practice surveys of non-radiological structures.					Description of Work / Comments: Good practice surveys of the construction shop complex in 200W. Comments: Performed good practice surveys of the interior of structures in the construction shop complex in the 200W area. These non-radiological structures have been abandoned for an unknown amount of time, and are slated for demolition in the near future. Several hazards were present, including asbestos, poor lighting, dirt/dust, rodent feces, bird droppings, tripping hazards, etc. No radiological hazards were encountered. Survey methodology: Direct surveys performed @ 2" per second, probe 1/4" away from surfaces, 10% surveyed at each location. (4) tech smears were taken randomly at each location. S. Myers listed for technical review purposes.										
Contamination Measurements															
† Manually Calculated by RCT															
No.	Description	Background cpm		Direct Gross cpm/100 cm²		Total dpm/100 cm²		Correction Factor		Removable					
		Py	α	Py	α	Py	α	Py	α	Type	Py	α	dpm/100 cm²		
1	MO 837	200	0	200	0	<5000†	<500†	10	10	Smear	200	0	<1000†	<20†	
2	2262W	200	0	200	0	<5000†	<500†	10	10	Smear	200	0	<1000†	<20†	
3	2318W	200	0	200	0	<5000†	<500†	10	10	Smear	200	0	<1000†	<20†	
4	Connex CC2W495	200	0	200	0	<5000†	<500†	10	10	Smear	200	0	<1000†	<20†	
5	Connex CC2W494	200	0	200	0	<5000†	<500†	10	10	Smear	200	0	<1000†	<20†	
6	Connex CC2W493	200	0	200	0	<5000†	<500†	10	10	Smear	200	0	<1000†	<20†	
7	Unmarked White Connex Box	200	0	200	0	<5000†	<500†	10	10	Smear	200	0	<1000†	<20†	

Date Submitted: 05/10/2014 15:56:00

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

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-054

FACILITY STATUS CHANGE FORM

FACILITY STATUS CHANGE FORM

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-054

** Electronically Approved - L-1400509 on 5/16/2014 **

CH2M HILL PLATEAU REMEDIATION COMPANY										RSR No.		Page 2 of 13			
RADIOLOGICAL SURVEY REPORT (Submitted for Approval)										L-1400509					
Contamination Measurements (Continued)															
† Manually Calculated by RCT															
		Background cpm		Direct Gross cpm/100 cm²		Total dpm/100 cm²		Correction Factor		Removable					
										Gross (cpm)		dpm/100 cm²			
No.	Description	βy	α	βy	α	βy	α	βy	α	Type	βy	α	βy	α	
8	Paint Shop	200	0	200	0	<5000†	<500†	10	10	Smear	200	0	<1000†	<20†	
9	Aluminum Shack	200	0	200	0	<5000†	<500†	10	10	Smear	200	0	<1000†	<20†	
10	MO-847	200	0	200	0	<5000†	<500†	10	10	Smear	200	0	<1000†	<20†	

Date Submitted: 05/10/2014 15:56:00

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

** Electronically Approved -- L-1400509 on 5/16/2014 **

**CH2M HILL PLATEAU REMEDIATION COMPANY
RADIOLOGICAL SURVEY REPORT (Submitted for Approval)**

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L-1400509

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Map/Sketch



Map Name: MO 837

Map Description: Structure & Interior

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: 05/10/2014 15:56:00

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

FACILITY STATUS CHANGE FORM

Date Submitted: 5/26/2015

Area: 200 West Area

Control Number: D4-BOW-054

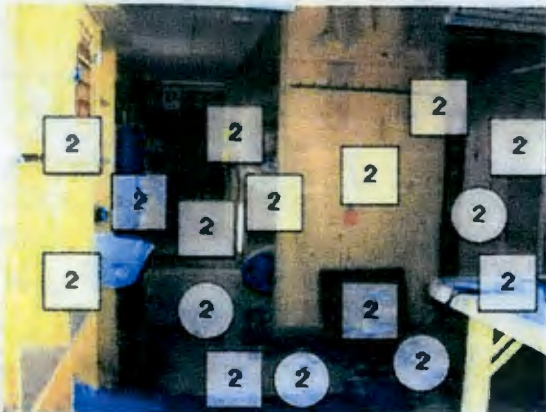
FACILITY STATUS CHANGE FORM

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-054

** Electronically Approved – L-1400509 on 5/16/2014 **

CH2M HILL PLATEAU REMEDIATION COMPANY RADIOLOGICAL SURVEY REPORT (Submitted for Approval)		RSR No. L-1400509	Page 4 of 13										
Map/Sketch													
 													
Map Name: 2262W		Map Description: Structure & Interior											
Legend	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="border: 1px solid black; padding: 2px;"> Direct Measurement</td> <td style="border: 1px solid black; padding: 2px;"> Air Sample</td> <td style="border: 1px solid black; padding: 2px;"> Smear</td> <td style="border: 1px solid black; padding: 2px;"> LAW</td> <td style="border: 1px solid black; padding: 2px;"> Neutron Dose Rate</td> <td style="border: 1px solid black; padding: 2px;"> Transferability</td> <td style="border: 1px solid black; padding: 2px;"> Field</td> <td style="border: 1px solid black; padding: 2px;"> Contact</td> <td style="border: 1px solid black; padding: 2px;"> Other Distance</td> <td style="border: 1px solid black; padding: 2px;"> Other Measurement</td> </tr> </table>			Direct Measurement	Air Sample	Smear	LAW	Neutron Dose Rate	Transferability	Field	Contact	Other Distance	Other Measurement
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: 05/10/2014 15:56:00		A-6004-663-SS (Rev. 4)											

FACILITY STATUS CHANGE FORM

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-054

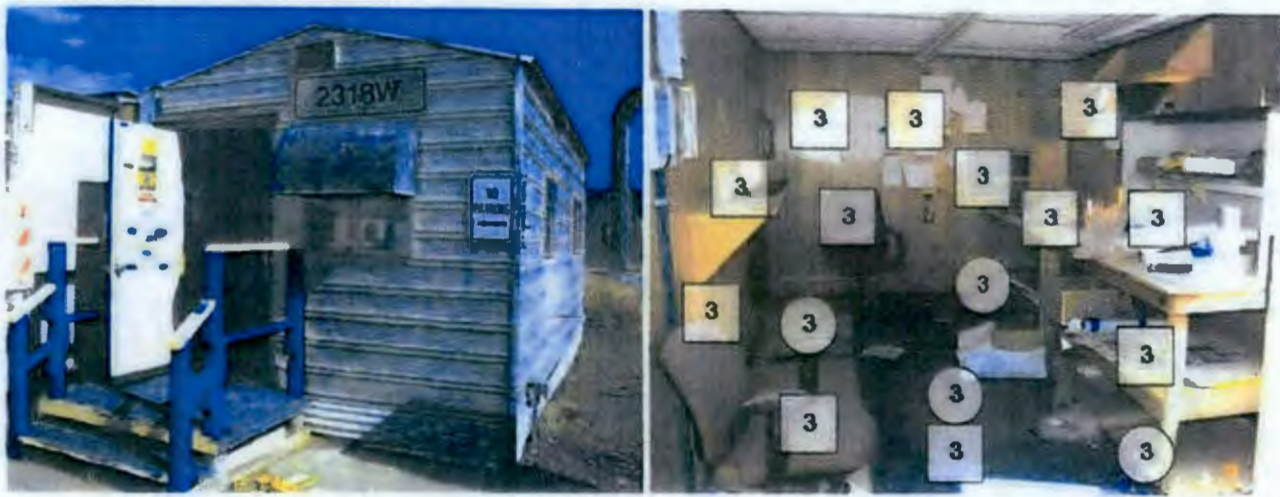
** Electronically Approved - L-1400509 on 5/16/2014 **

CH2M HILL PLATEAU REMEDIATION COMPANY
RADIOLOGICAL SURVEY REPORT (Submitted for Approval)

RSR No.
L-1400509

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Map/Sketch



Map Name: 2318W

Map Description: Structure & Interior

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/yr unless otherwise noted.				

Date Submitted: 05/10/2014 15:56:00

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** Electronically Approved – L-1400509 on 5/18/2014 **

CH2M HILL PLATEAU REMEDIATION COMPANY RADIOLOGICAL SURVEY REPORT (Submitted for Approval)		RSR No. L-1400509	Page 6 of 13										
Map/Sketch													
													
Map Name: Connex CC2W495		Map Description: Structure & Interior											
Legend	<table style="width:100%; font-size: small;"> <tr> <td> Direct Measurement</td> <td> Air Sample</td> <td> Smear</td> <td> LAW</td> <td> Neutron Dose Rate</td> <td> Transferability</td> <td> Field</td> <td> Contact</td> <td> Other Distance</td> <td> Other Measurement</td> </tr> </table>			Direct Measurement	Air Sample	Smear	LAW	Neutron Dose Rate	Transferability	Field	Contact	Other Distance	Other Measurement
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: 05/10/2014 15:56:00

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

FACILITY STATUS CHANGE FORM

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-054

"" Electronically Approved – L-1400509 on 5/16/2014 ""

CH2M HILL PLATEAU REMEDIATION COMPANY
RADIOLOGICAL SURVEY REPORT (Submitted for Approval)

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Map/Sketch



Map Name: Connex CC2W494

Map Description: Structure & Interior

Legend	D# Direct Measurement	A# Air Sample	S# Smear	L# LAW	N# Neutron Dose Rate	T# Transferability	F# Field	C# Contact	D# Other Distance	O# Other Measurement
----- (designation inside) -----							Radiological Area Boundary			
							Note: Dose Rates in mrem/hr unless otherwise noted.			

Date Submitted: 05/10/2014 15:56:00

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

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-054

FACILITY STATUS CHANGE FORM

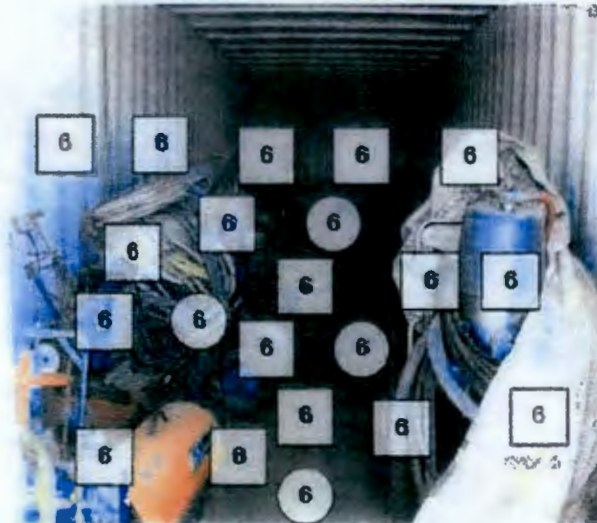
• Electronically Approved – L-1400509 on 5/16/2014 •

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RADIOLOGICAL SURVEY REPORT (Submitted for Approval)**

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Map/Sketch



Map Name: Connex CC2W493

Map Description: Structure & Interior

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: 05/10/2014 15:56:00

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FACILITY STATUS CHANGE FORM

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-054

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RADIOLOGICAL SURVEY REPORT (Submitted for Approval)

RSR No.
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Map/Sketch



Map Name: Unmarked White Connex Box

Map Description: Structure & Interior

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/yr unless otherwise noted.

Date Submitted: 05/10/2014 15:56:00

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Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-054

FACILITY STATUS CHANGE FORM

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RADIOLOGICAL SURVEY REPORT (Submitted for Approval)

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Map/Sketch



Map Name: Paint Shop

Map Description: Structure & Interior

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: 05/10/2014 15:56:00

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

FACILITY STATUS CHANGE FORM

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-054

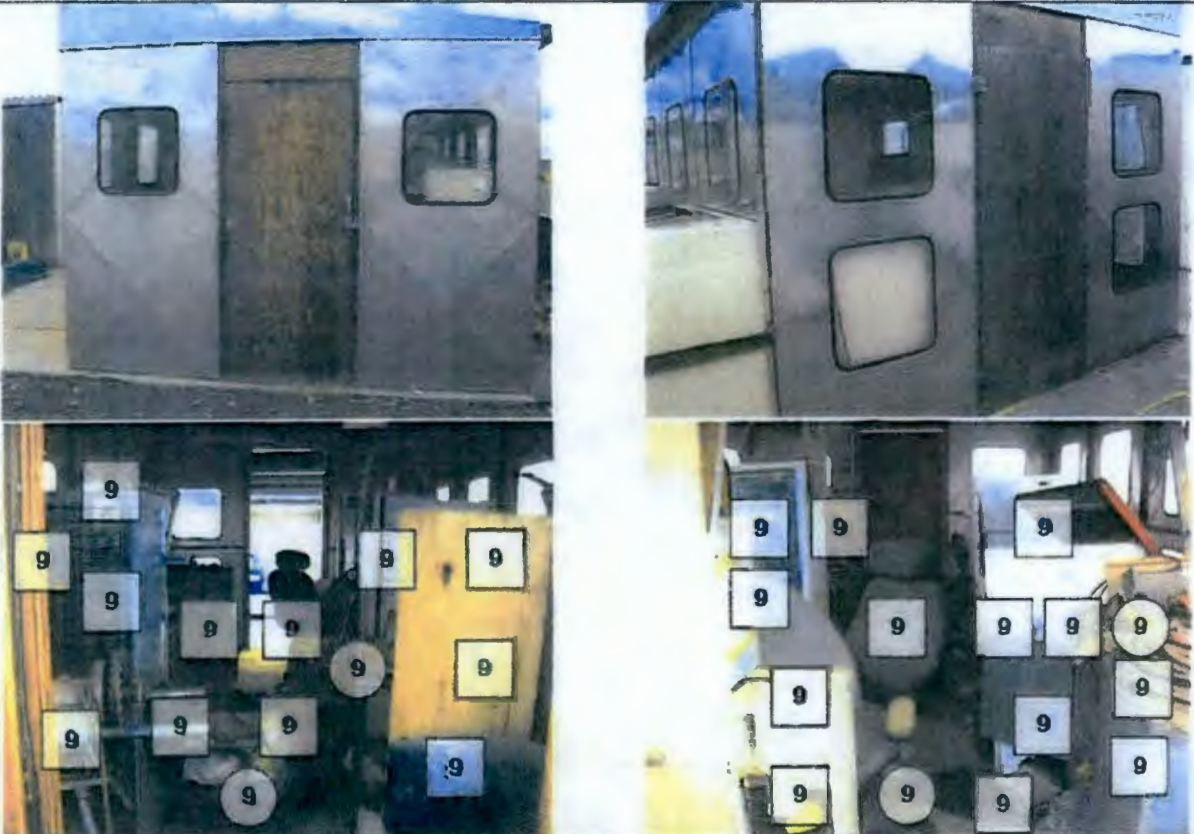
Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-054

FACILITY STATUS CHANGE FORM

*** Electronically Approved – L-1400509 on 5/16/2014 ***

CH2M HILL PLATEAU REMEDIATION COMPANY RADIOLOGICAL SURVEY REPORT (Submitted for Approval)				RSR No. L-1400509		Page 11 of 13												
Map/Sketch																		
																		
Map Name: Aluminum Shack				Map Description: Structure & Interior														
<table border="0" style="width: 100%; font-size: small;"> <tr> <td>Legend</td> <td> Direct Measurement</td> <td> Air Sample</td> <td> Smear</td> <td> LAW</td> <td> Neutron Dose Rate</td> <td> Transferability</td> <td> Field</td> <td> Contact</td> <td> Other Distance</td> <td> Other Measurement</td> </tr> </table>								Legend	Direct Measurement	Air Sample	Smear	LAW	Neutron Dose Rate	Transferability	Field	Contact	Other Distance	Other Measurement
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: 05/10/2014 15:56:00

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

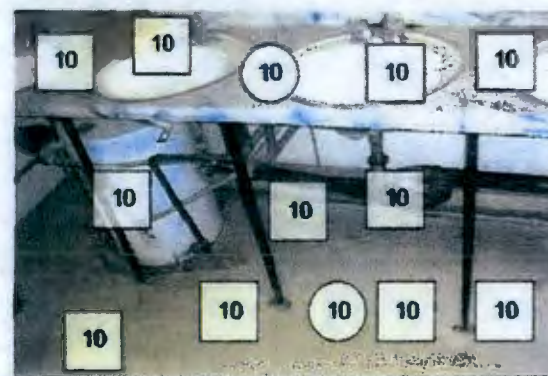
Electronically Approved - L-1400509 on 5/16/2014

CH2M HILL PLATEAU REMEDIATION COMPANY
RADIOLOGICAL SURVEY REPORT (Submitted for Approval)

RSR No.
L-1400509

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Map/Sketch



Map Name: MO-847

Map Description: Structure & Interior

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: 05/10/2014 15:56:00

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

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-054

FACILITY STATUS CHANGE FORM

** Electronically Approved - L-1400509 on 5/18/2014 **

CH2M HILL PLATEAU REMEDIATION COMPANY RADIOLOGICAL SURVEY REPORT (Submitted for Approval)		RSR No. L-1400509	Page 13 of 13
Instruments			
Instrument Type	Bar Code No.	Probe Bar Code No.	Efficiency (Used)
LUDELUM 2360	SCLL8-0431	DTLLP-0538	β0.10 α0.10
LUDELUM 2360	SCLL8-0759	DTLLP-0850	β0.1 α0.1
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-153 are ≤ 10 times the b-g contamination levels shown above (see CHPRC-00073, Table 2-2).			
History			
2014-05-10 16:02:00 - Lemmons, Lisa - Submitted			
2014-05-12 09:50:44 - Lemmons, Lisa - Submitted: Survey Simple error of some sort - resubmit survey.			

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-054

FACILITY STATUS CHANGE FORM

Date Submitted: 05/10/2014 15:56:00

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

FACILITY STATUS CHANGE FORM

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-054

*** Electronically Approved - L-1400509 on 5/16/2014 ***

User: LEMMONS, LISA (H0091160)
Title: Contributor
Date: Monday, May 12, 2014, 9:50 AM Pacific Standard Time

User: LEMMONS, RAYMOND (H3376611)
Title: Contributor
Date: Monday, May 12, 2014, 3:19 PM Pacific Standard Time

User: MYERS, STEVEN (H7301859)
Title: Contributor
Date: Monday, May 12, 2014, 11:25 AM Pacific Standard Time

User: BIGGS, DANIEL (H6620961)
Title: Reviewer
Date: Friday, May 16, 2014, 3:56 PM Pacific Standard Time
