



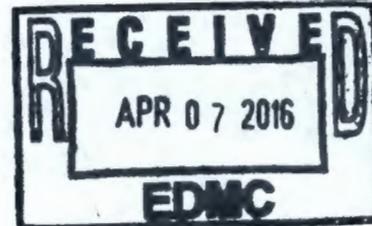
Department of Energy
 Richland Operations Office
 P.O. Box 550
 Richland, Washington 99352

1238083
 [007722ZH]

16-AMRP-0117

APR 04 2016

Mr. J. A. Ciucci, President
 and Chief Executive Officer
 CH2M HILL Plateau Remediation Company
 Richland, Washington 99352



Dear Mr. Ciucci:

CONTRACT NUMBER DE-AC06-08RL14788 – FACILITY STATUS CHANGE FORMS FOR 2259-W, 2262-W, 2263-W, 2265-W, 2300-W, 2304-W, 2306-W, 2307-W, 2308-W, 2309-W, 2310-W, 2314-W, 2315-W, 2318-W, MO-837, MO-556, MO-573, MO-841, MO-847, AND MO-956

This letter responds to the November 30, 2015, (CHPRC-1502143), "Transmittal of Facility Status Change Forms for 2259-W, 2262-W, 2263-W, 2265-W, 2300-W, 2304-W, 2306-W, 2307-W, 2308-W, 2309-W, 2310-W, 2314-W, 2315-W, 2318-W, MO-837, MO-556, MO-573, MO-841, MO-847, and MO-956."

These facility status change forms (FSCFs) document the demolition of the facilities in the 200 West Area Construction Forces Camp. The DOE Richland Operations Office (RL) has completed a review of the FSCFs and have incorporated some changes. It should be noted that a decision was made to include the facility deactivation, decontamination, dismantlement, and demolition (D4) costs which is reflected in the attached, final FSCFs. The inclusion of the D4 cost allows the revised FSCFs to satisfy the requirements for compliance with DOE Order 430.1B, Real Property Asset Management.

The signed facility status change forms are provided in Attachments 1-20. It is recognized that the FSCF is a site form. Please add the D4 costs to the FCSF site form.

If you have any questions please contact me, or your staff may contact Ray Corey, Assistant Manager for the River and Plateau, on (509) 373-9971.

Sincerely,

Jenise C Connerly

Jenise C. Connerly
 Contracting Officer

AMRP:WCW

Attachments

cc: See page 2

353

Mr. J. A. Ciucci
16-AMRP-0117

-2-

APR 04 2016

cc w/attachs:

B. M. Barnes, CHPRC
D. R. Corriell, CHPRC
L. J. Cusack, CHPRC
K. K. Dickerson, CHPRC
R. H. Engelmann, CHPRC
T. A. Heidelberg, CHPRC
M. N. Jaraysi, CHPRC
W. E. Kirby, CHPRC
R. M. Millikin, CHPRC
Administrative Record
Environmental Portal

ATTACHMENT 1

**FACILITY STATUS CHANGE FORMS FOR 2259-W
D4-BOW-008**

Consisting of 14 pages,
including this cover page

FACILITY STATUS CHANGE FORM

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-008

Originator: Brett M. Barnes

Facility ID: 2259-W

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.

2259-W was a single-wide, skid mounted structure used primarily for storage of pipefitter equipment in support of Engineering, Project, and Construction forces.

Demolition of 2259-W 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 2259-W:

- 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 2259-W structure is estimated to weigh approximately 30 tons.
- Asbestos sampling of the structure indicated that no nonfriable asbestos was present.
- Beryllium sampling of the structure indicated that no beryllium was present.
- 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. See Attachment B.

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).

FACILITY STATUS CHANGE FORM

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-008

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 2259-W 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 2259-W 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 \$30,218.

Section 4: List of Attachments

Attachment A: Project Photographs of 2259-W (Pre-Demolition, During Demolition, and Post-Demolition)

Attachment B: Radiological Survey Report

Wade Woolery
DOE-RL (Print)

Woolery
Signature

Feb 16, 2016
Date

FACILITY STATUS CHANGE FORM

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-008

Attachment A



2259-W Pre-Demolition



2259-W Pre-Demolition

FACILITY STATUS CHANGE FORM

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-008



2259-W During Demolition



2259-W Post-Demolition

** Electronically Approved - L-1401299 on 10/22/2014 **

CH2M HILL PLATEAU REMEDIATION COMPANY				RSR No.		Page 1 of 3																									
RADIOLOGICAL SURVEY REPORT (Submitted for Approval)				L-1401299																											
Date		Start/Stop Time		Area/Location		RWP/Rev.																									
10/8/2014		0800 / 1500		200W / Auxiliary Buildings / N/A / 200 West Construction Yard		L-14-336 R-2																									
Purpose of Survey:				Description of Work / Comments:																											
<input type="checkbox"/> Material Clearance Number: N/A Cleared to: N/A <input type="checkbox"/> Ram Shipment: N/A <input type="checkbox"/> Required Task: N/A <input checked="" type="checkbox"/> Job Coverage: C 14 05374 <input type="checkbox"/> Verification survey $\alpha = <D$ <D=No increase in audible count rate <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width: 50px;">N/A</td> <td style="width: 50px;">Inches/Sec.</td> <td style="width: 50px;">N/A</td> <td style="width: 50px;">Inches Away</td> </tr> <tr> <td>N/A</td> <td>Count Time (Sec.)</td> <td>N/A</td> <td>% Surveyed</td> </tr> <tr> <td>N/A</td> <td># of Static Counts</td> <td>N/A</td> <td>Square Feet</td> </tr> </table> <input type="checkbox"/> Verification survey $\beta\gamma = <D$ <D=No increase in audible count rate <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width: 50px;">N/A</td> <td style="width: 50px;">Inches/Sec.</td> <td style="width: 50px;">N/A</td> <td style="width: 50px;">Inches Away</td> </tr> <tr> <td>N/A</td> <td>Count Time (Sec.)</td> <td>N/A</td> <td>% Surveyed</td> </tr> <tr> <td>N/A</td> <td># of Static Counts</td> <td>N/A</td> <td>Square Feet</td> </tr> </table> <input type="checkbox"/> Other: N/A				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	200 West Construction Yard Building Demolition Comments: Provided job coverage of D & D crews demolishing two buildings in the 200 West Construction yard. Material from the buildings were placed into Rad ERDF containers because bird infestation and because biological dangers prevented radiological surveys from being performed on the two buildings. No contamination at all was encountered under all evolutions of the work. Surveys of the ERDF containers were performed prior to tarps being removed and after tarps were placed back over them. Surveys of the Track Hole Bucket (Zaxus 450 LC # 17-4014 were performed prior to start of work, during the process and after work was completed. ERDF containers filled :# 3147, 3042, P292, P-080 Added contributor for review purposes.			
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																															
Note: F = Field (≥ 30 cm) C = Contact (≤ 1 cm)																															
No.	Description	Dist. (cm) Note ¹	WO mR/hr	WC mR/hr	CF Non-Penetrating	CF Penetrating	Neutron Dose mrem/hr	Shallow Dose mrem/hr	Deep Dose mrem/hr																						
1	ERDF Containers	C	<0.5	<0.5	2	1	N/A	<0.5	<0.5																						
Contamination Measurements																															
† Manually Calculated by RCT																															
No.	Description	Background cpm		Direct Gross cpm/100 cm ²		Total dpm/100 cm ²		Correction Factor		Removable																					
		$\beta\gamma$	α	$\beta\gamma$	α	$\beta\gamma$	α	$\beta\gamma$	α	Type	$\beta\gamma$	α	$\beta\gamma$	α																	
1	ERDF container pre and post	165	2	N/A	N/A	N/A	N/A	10	10	Smear	165	2	<1000	<20																	
2	Track Hoe Bucket (pre, during, post)	165	2	165	2	<500†	<100†	10	10	Smear	165	2	<1000†	<20†																	

Date Submitted: 10/21/2014 07:59:00

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

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-008

FACILITY STATUS CHANGE FORM

Radiological Survey Report

Attachment B

** Electronically Approved – L-1401299 on 10/22/2014 **

CH2M HILL PLATEAU REMEDIATION COMPANY RADIOLOGICAL SURVEY REPORT (Submitted for Approval)	RSR No. L-1401299	Page 2 of 3
--	-----------------------------	-------------

Map/Sketch



Map Name: 200 W. Const. Yard		Map Description: ERDF containers and Track Hole Bucket								
Legend	# Direct Measurement	▲ Air Sample	⊕ Smear	# LAW	◆ Neutron Dose Rate	T# Transferability	F# Field	C# Contact	D# Other Distance	Other Measurement
	----- (designation inside) ----- Radiological Area Boundary								Note: Dose Rates in mrem/yr unless otherwise noted.	

Date Submitted: 10/21/2014 07:59:00

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

Date Submitted: 5/26/2015

Area: 200 West Area

Control Number: D4-BOW-008

FACILITY STATUS CHANGE FORM

** Electronically Approved - L-1401299 on 10/22/2014 **

CH2M HILL PLATEAU REMEDIATION COMPANY RADIOLOGICAL SURVEY REPORT (Submitted for Approval)		RSR No. L-1401299	Page 3 of 3
Instruments			
Instrument Type	Bar Code No.	Probe Bar Code No.	Efficiency (Used)
LUDLUM 2360	SCLL8-0426	DTLLP-0533	β0.1 α0.1
RO-20	ICEB4-1597	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 CHERC-00073, Table 2-2).			
History			
2014-10-09 15:51:01 - Erlenbush, Steve - Submitted 2014-10-13 08:17:45 - Myers, Steven - Rejected: correct inst body number. correct total dpm number. 2014-10-13 15:35:43 - Erlenbush, Steve - Submitted: corrected inst body number. corrected total dpm number 2014-10-14 06:53:31 - Myers, Steven - Rejected: correct alpha total dpm 2014-10-21 07:59:32 - Erlenbush, Steve - Submitted: corrected total #			

FACILITY STATUS CHANGE FORM

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-008

Date Submitted: 10/21/2014 07:59:00

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

FACILITY STATUS CHANGE FORM

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-008

*** Electronically Approved – L-1401289 on 10/22/2014 ***

User: ERLLENBUSH, STEPHEN (H0071617)
Title: Contributor
Date: Tuesday, October 21, 2014, 7:59 AM Pacific Standard Time

User: MYERS, STEVEN (H7301859)
Title: Contributor
Date: Tuesday, October 21, 2014, 2:08 PM Pacific Standard Time

User: BIGGS, DANIEL (H6820981)
Title: Reviewer
Date: Tuesday, October 21, 2014, 6:48 PM Pacific Standard Time

Electronically Approved - L-1401306 on 11/5/2014

CH2M HILL PLATEAU REMEDIATION COMPANY		RSR No.	Page 1 of 4
RADIOLOGICAL SURVEY REPORT (Submitted for Approval)		L-1401306	

Date 10/9/2014	Start/Stop Time 0800 / 1500	Area/Location 200W / Auxiliary Buildings / N/A / 200 West Construction Yard	RWP/Rev. L-14-336 R-2
-------------------	--------------------------------	--	--------------------------

<p>Purpose of Survey:</p> <p><input type="checkbox"/> Material Clearance Number: N/A Cleared to: N/A</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: C 14 05374</p> <p><input type="checkbox"/> Verification survey $\alpha = <D$ <D=No increase in audible count rate</p> <table style="width:100%; border: none;"> <tr> <td style="border: 1px solid black; width: 20px; text-align: center;">N/A</td> <td style="border: none; padding: 2px;">Inches/Sec.</td> <td style="border: 1px solid black; width: 20px; text-align: center;">N/A</td> <td style="border: none; padding: 2px;">Inches Away</td> </tr> <tr> <td style="border: 1px solid black; text-align: center;">N/A</td> <td style="border: none; padding: 2px;">Count Time (Sec.)</td> <td style="border: 1px solid black; text-align: center;">N/A</td> <td style="border: none; padding: 2px;">% Surveyed</td> </tr> <tr> <td style="border: 1px solid black; text-align: center;">N/A</td> <td style="border: none; padding: 2px;"># of Static Counts</td> <td style="border: 1px solid black; text-align: center;">N/A</td> <td style="border: none; padding: 2px;">Square Feet</td> </tr> </table> <p><input type="checkbox"/> Verification survey $\beta y = <D$ <D=No increase in audible count rate</p> <table style="width:100%; border: none;"> <tr> <td style="border: 1px solid black; width: 20px; text-align: center;">N/A</td> <td style="border: none; padding: 2px;">Inches/Sec.</td> <td style="border: 1px solid black; width: 20px; text-align: center;">N/A</td> <td style="border: none; padding: 2px;">Inches Away</td> </tr> <tr> <td style="border: 1px solid black; text-align: center;">N/A</td> <td style="border: none; padding: 2px;">Count Time (Sec.)</td> <td style="border: 1px solid black; text-align: center;">N/A</td> <td style="border: none; padding: 2px;">% Surveyed</td> </tr> <tr> <td style="border: 1px solid black; text-align: center;">N/A</td> <td style="border: none; padding: 2px;"># of Static Counts</td> <td style="border: 1px solid black; text-align: center;">N/A</td> <td style="border: none; padding: 2px;">Square Feet</td> </tr> </table> <p><input checked="" type="checkbox"/> Other: CSP-L-14-010-00 PRO-PRO-RP-4025</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>200 West Construction Yard Building Demolition</p> <p>Comments: Provided job coverage of D & D crews demolishing two buildings in the 200 West Construction yard. Material from the buildings were placed into Regulated ERDF containers because bird infestation creating biological dangers prevented extensive surveys of the buildings from being performed. No contamination was encountered under all evolutions of the work. Surveys of the ERDF containers were performed prior to tarps being removed and after tarps were placed back over them. Surveys of the Excavator Bucket and Shear (Zaxus 450 LC # 17-4014) were performed prior to start of work, during the process and after work was completed.</p> <p>An RBA (# 105KW-070) was established around the ERDF containers as well as around the 2 buildings being demolished. Baseline surveys were performed upon the excavator bucket and portion of arm performing partial entries. At the completion of the job based upon survey results of the Excavator Bucket in compliance with CSP-L-14-010-00 and RWP# L-14-336 R-2 as well as walking stick and transferable surveys of the area within the RBA, the RBA was downposted. ERDF containers filled :# P-495, P-234, 3277</p> <p>Added contributor for review purposes.</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	Notes: F = Field (≥30cm) C = Contact(≤1 cm)							
		Dist. (cm) Note 1	WO mR/hr	WC mR/hr	CF Non- Penetrating	CF Penetrating	Neutron Dose mrem/hr	Shallow Dose mrem/hr	Deep Dose mrem/hr
1	ERDF Containers	F	<0.5	<0.5	2	1	N/A	<0.5	<0.5

Contamination Measurements

No.	Description	↑ Manually Calculated by RCT												
		Background cpm		Direct Gross cpm/100 cm²		Total dpm/100 cm²		Correction Factor		Removable				
		βy	α	βy	α	βy	α	βy	α	Type	Gross (cpm)		dpm/100 cm²	
1	ERDF container lip and tarp (pre and post)	248	2	N/A	N/A	N/A	N/A	10	10	Smear	248	2	<1000	<20
2	Excavator Bucket (pre, during, post)	248	2	248	2	<5000†	<100†	10	10	Smear	248	2	<1000†	<20†

Date Submitted: 10/23/2014 16:06:00 A-6004-663-SS (Rev. 4)

Date Submitted: 5/28/2015	Area: 200 West Area	FACILITY STATUS CHANGE FORM
		Control Number: D4-BOW-008

** Electronically Approved - L-1401306 on 11/5/2014 **

CH2M HILL PLATEAU REMEDIATION COMPANY RADIOLOGICAL SURVEY REPORT (Submitted for Approval)						RSR No. L-1401306				Page 2 of 4				
Contamination Measurements (Continued)														
† Manually Calculated by RCT														
No.	Description	Background cpm		Direct Gross cpm/100 cm ²		Total dpm/100 cm ²		Correction Factor		Type	Removable			
		βγ	α	βγ	α	βγ	α	βγ	α		Gross (cpm)	dpm/100 cm ²		
											βγ	α	βγ	α
3	Excavator Tracks (pre and post)	248	2	248	2	<5000†	<100†	10	10	Smear	248	2	<1000†	<20†
4	Random Transferable Measurements	248	2	N/A	N/A	N/A	N/A	10	10	Trans.	248	2	<1000	<20
5	Random walking stick surveys	248	2	248	2	<5000	<500	10	10	N/A	N/A	N/A	N/A	N/A

FACILITY STATUS CHANGE FORM

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-008

Date Submitted: 10/23/2014 16:06:00

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

** Electronically Approved – L-1401306 on 11/5/2014 **

CH2M HILL PLATEAU REMEDIATION COMPANY RADIOLOGICAL SURVEY REPORT (Submitted for Approval)	RSR No. L-1401306	Page 3 of 4
--	----------------------	-------------

Map/Sketch



Map Name: 200 W. Const. Yard	Map Description: ERDF containers and Track Hole Bucket											
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:10%;">Legend</td> <td style="width:15%;">[M] Direct Measurement</td> <td style="width:15%;">[A] Air Sample</td> <td style="width:15%;">[S] Smear</td> <td style="width:15%;">[L] LAW</td> <td style="width:15%;">[N] Neutron Dose Rate</td> <td style="width:15%;">[T] Transmissibility</td> <td style="width:15%;">[F] Field</td> <td style="width:15%;">[C] Contact</td> <td style="width:15%;">[O] Other Distance</td> <td style="width:15%;">[P] Other Measurement</td> </tr> </table>		Legend	[M] Direct Measurement	[A] Air Sample	[S] Smear	[L] LAW	[N] Neutron Dose Rate	[T] Transmissibility	[F] Field	[C] Contact	[O] Other Distance	[P] Other Measurement
Legend	[M] Direct Measurement	[A] Air Sample	[S] Smear	[L] LAW	[N] Neutron Dose Rate	[T] Transmissibility	[F] Field	[C] Contact	[O] Other Distance	[P] Other Measurement		
----- (designation inside) ----- Radiological Area Boundary						Note: Dose Rates in mrem/hr unless otherwise noted.						

Date Submitted: 10/23/2014 16:06:00

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

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-008

FACILITY STATUS CHANGE FORM

** Electronically Approved - L-1401306 on 11/5/2014 **

CH2M HILL PLATEAU REMEDIATION COMPANY RADIOLOGICAL SURVEY REPORT (Submitted for Approval)		RBR No. L-1401306	Page 4 of 4
Instruments			
Instrument Type	Bar Code No.	Probe Bar Code No.	Efficiency (Used)
LUDELUM 2360	SCLL8-0426	DTLLP-0533	β0.1 α0.1
RO-20	ICEB4-1548	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			
2014-10-13 15:30:32 - Erlenbush, Steve - Submitted			
2014-10-14 06:55:29 - Myers, Steven - Rejected: put some T - transferable locations on maps			
2014-10-21 08:02:52 - Erlenbush, Steve - Submitted: added transferable locations on maps			
2014-10-22 08:39:29 - Erlenbush, Steve - UnSubmitted: Total alpha should have been <100			
2014-10-22 08:58:29 - Erlenbush, Steve - Submitted: Needed to change total Alpha readings			
2014-10-23 15:21:52 - Erlenbush, Steve - UnSubmitted: additional information regarding the downpost of RBA 105KW-070			
2014-10-23 16:09:56 - Erlenbush, Steve - Submitted: additional information regarding the downpost of RBA 105KW-070 added			

Date Submitted: 5/28/2015	FACILITY STATUS CHANGE FORM
Area: 200 West Area	
Control Number: D4-BOW-008	

Date Submitted: 10/23/2014 16:06:00

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

FACILITY STATUS CHANGE FORM

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-008

*** Electronically Approved - L-1401306 on 11/5/2014 ***

User: ERLBUSH, STEPHEN (H0071617)
Title: Contributor
Date: Thursday, October 23, 2014, 4:09 PM Pacific Standard Time

User: MYERS, STEVEN (H7301859)
Title: Contributor
Date: Tuesday, October 28, 2014, 9:34 AM Pacific Standard Time

User: BIGGS, DANIEL (H6820981)
Title: Reviewer
Date: Tuesday, November 04, 2014, 6:50 PM Pacific Standard Time

ATTACHMENT 2

**FACILITY STATUS CHANGE FORMS FOR 2262-W
D4-BOW-010**

**Consisting of 21 pages,
including this cover page**

FACILITY STATUS CHANGE FORM

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-010

Originator: Brett M. Barnes

Facility ID: 2262-W

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.

2262-W was a single-wide skid mounted structure that supported the insulators storage/shop. This facility was used by Engineering, Project, and Construction forces.

Demolition of 2262-W was performed during September 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 2262-W:

- 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-2262 structure is estimated to weigh approximately 50 tons.
- This structure did not contain any friable or nonfriable asbestos materials.
- 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.

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).

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 2262-W will not be a documented or potential waste site. Facility demolished, remaining concrete slab left in place. Visual inspection of the underlying soil

FACILITY STATUS CHANGE FORM

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-010

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 2262-W 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 \$64,445.

Section 4: List of Attachments

Attachment A: Project Photographs of 2262-W (Pre-Demolition, During Demolition, and Post-Demolition)

Attachment B: Radiological Survey Report

Wade Woolery
DOE-RL (Print)

Wade Woolery
Signature

Feb 16, 2016
Date

FACILITY STATUS CHANGE FORM

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-010

Attachment A



2262-W Pre-Demolition

FACILITY STATUS CHANGE FORM

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-010



2262-W During Demolition



2262-W During Demolition

FACILITY STATUS CHANGE FORM

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-010



2262-W Post-Demolition

FACILITY STATUS CHANGE FORM

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-010

**Attachment B
Radiological Survey Report**

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

CH2M HILL PLATEAU REMEDIATION COMPANY			RSR No. L-1400509	Page 1 of 13																								
RADIOLOGICAL SURVEY REPORT (Submitted for Approval)																												
Date 5/9/2014	Start/Stop Time 0600 / 1630	Area/Location 200W / Outside Areas / N/A / 200W Construction Shop Complex, north of 19th St		RWP/Rev. N/A																								
Purpose of Survey: <input type="checkbox"/> Material Clearance Number: N/A Cleared to: N/A <input type="checkbox"/> Ram Shipment: N/A <input type="checkbox"/> Required Task: N/A <input type="checkbox"/> Job Coverage: N/A <input type="checkbox"/> Verification survey $\alpha = <D$ <D=No increase in audible count rate <table border="1" style="display: inline-table; margin-right: 20px;"> <tr><td>N/A</td><td>Inches/Sec.</td><td>N/A</td><td>Inches Away</td></tr> <tr><td>N/A</td><td>Count Time (Sec.)</td><td>N/A</td><td>% Surveyed</td></tr> <tr><td>N/A</td><td># of Static Counts</td><td>N/A</td><td>Square Feet</td></tr> </table> <input type="checkbox"/> Verification survey $\beta\gamma = <D$ <D=No increase in audible count rate <table border="1" style="display: inline-table; margin-right: 20px;"> <tr><td>N/A</td><td>Inches/Sec.</td><td>N/A</td><td>Inches Away</td></tr> <tr><td>N/A</td><td>Count Time (Sec.)</td><td>N/A</td><td>% Surveyed</td></tr> <tr><td>N/A</td><td># of Static Counts</td><td>N/A</td><td>Square Feet</td></tr> </table> <input checked="" type="checkbox"/> Other: Good practice surveys of non-radiological structures.		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	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.		
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																									

Contamination Measurements

No.	Description	† Manually Calculated by RCT												
		Background cpm		Direct Gross cpm/100 cm²		Total dpm/100 cm²		Correction Factor		Removable				
		$\beta\gamma$	α	$\beta\gamma$	α	$\beta\gamma$	α	$\beta\gamma$	α	Type	$\beta\gamma$	α	Gross (cpm)	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: D4-20W-010

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 2 of 13			
Contamination Measurements (Continued)															
† 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)		Removable dpm/100 cm ²		
		βγ	α	βγ	α	βγ	α	βγ	α		βγ	α	βγ	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†	

FACILITY STATUS CHANGE FORM

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-010

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	Page 3 of 13																						
Map/Sketch																								
																								
																								
Map Name: MO 837 Map Description: Structure & Interior																								
<table border="1" style="width: 100%; border-collapse: collapse; font-size: small;"> <tr> <th style="text-align: left;">Legend</th> <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> <tr> <td colspan="6" style="text-align: center;"> ----- (designation inside) ----- Radiological Area Boundary </td> <td colspan="5" style="text-align: right;"> Note: Dose Rates in mrem/hr unless otherwise noted. </td> </tr> </table>			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.				
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

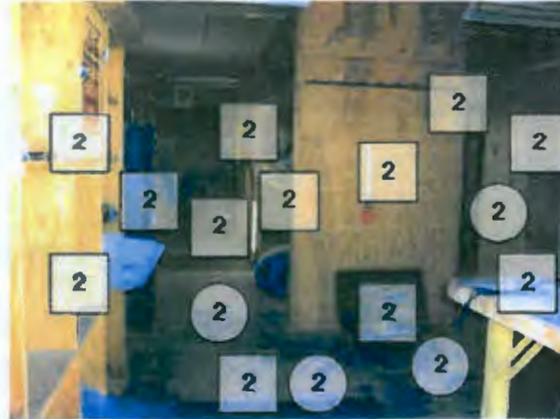
Area: 200 West Area

Control Number: D4-BOW-010

FACILITY STATUS CHANGE FORM

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	<input checked="" type="checkbox"/> Direct Measurement	<input type="checkbox"/> Air Sample	<input checked="" type="checkbox"/> Smear	<input type="checkbox"/> LAW	<input type="checkbox"/> Neutron Dose Rate	<input type="checkbox"/> Transferability	<input type="checkbox"/> Field	<input type="checkbox"/> Contact	<input type="checkbox"/> Other Distance	<input type="checkbox"/> Other Measurement
	----- (designation inside) ----- Radiological Area Boundary							Note: Dose Rates in mrem/hr unless otherwise noted.		

Date Submitted: 05/10/2014 15:36:00

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

Date Submitted: 5/28/2015

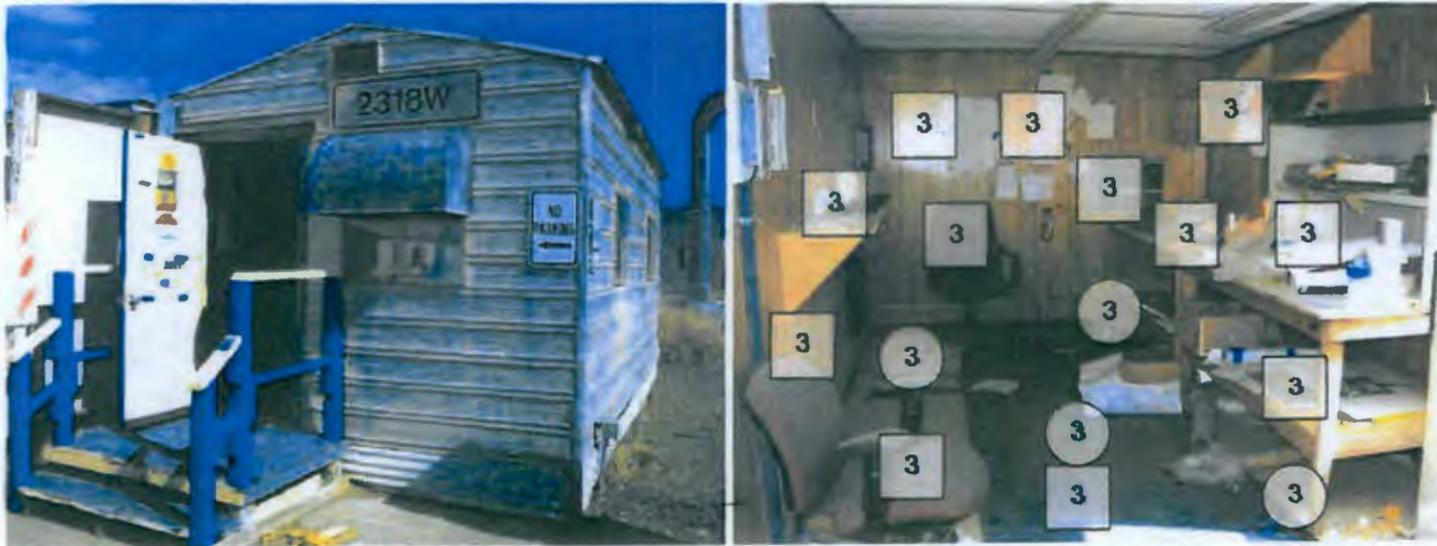
Area: 200 West Area

Control Number: D4-BOW-010

FACILITY STATUS CHANGE FORM

CH2M HILL PLATEAU REMEDIATION COMPANY RADIOLOGICAL SURVEY REPORT (Submitted for Approval)	RSR No. L-1400509	Page 5 of 13
--	-----------------------------	--------------

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/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-010

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 5 of 13

Map/Sketch



Map Name: Connex CC2W495

Map Description: Structure & Interior

Legend	# Direct Measurement	▲ Air Sample	⊙ Smear	L# LAW	◆ Neutron Dose Rate	T# Transferability	F# Field	C# Contact	D# 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-010

FACILITY STATUS CHANGE FORM

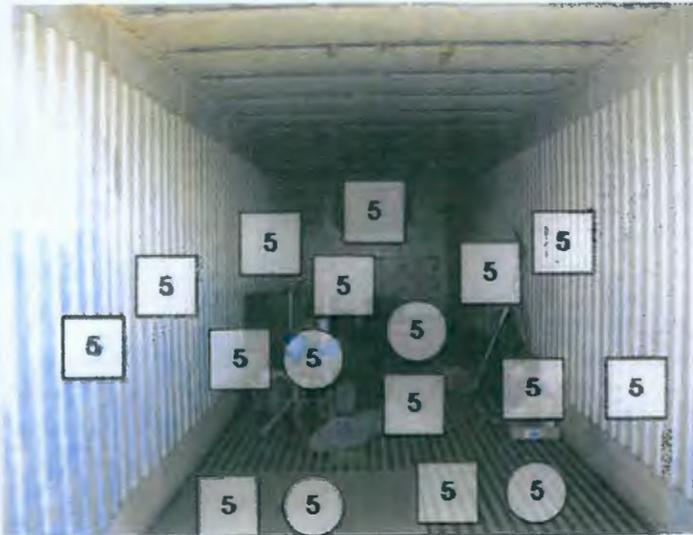
** Electronically Approved – L-1400509 on 5/16/2014 **

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

RSR No.
L-1400509

Page 7 of 13

Map/Sketch



Map Name: Connex CC2W494

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-010

FACILITY STATUS CHANGE FORM

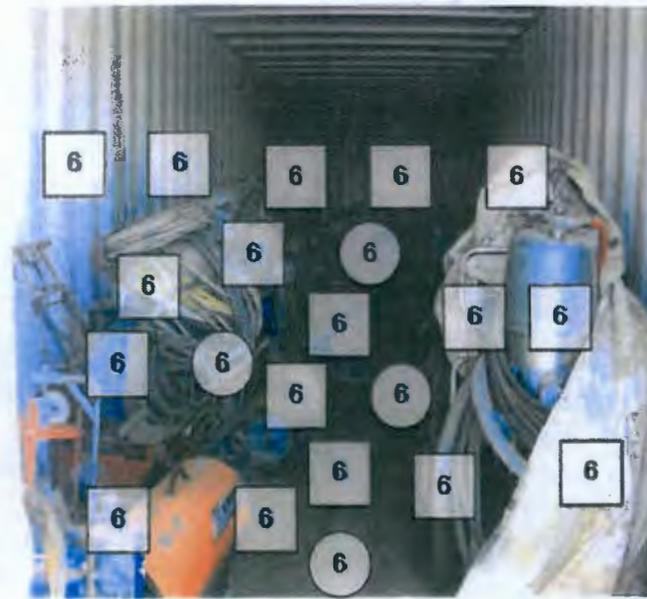
** Electronically Approved – L-1400509 on 5/16/2014 **;

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

RSR No.
L-1400509

Page 8 of 13

Map/Sketch



Map Name: Connex CC2W493

Map Description: Structure & Interior

Legend	# Direct Measurement	▲ Air Sample	⊕ Smear	⊔ LAW	◆ Neutron Dose Rate	T# Transferability	F# Field	C# Contact	D# 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

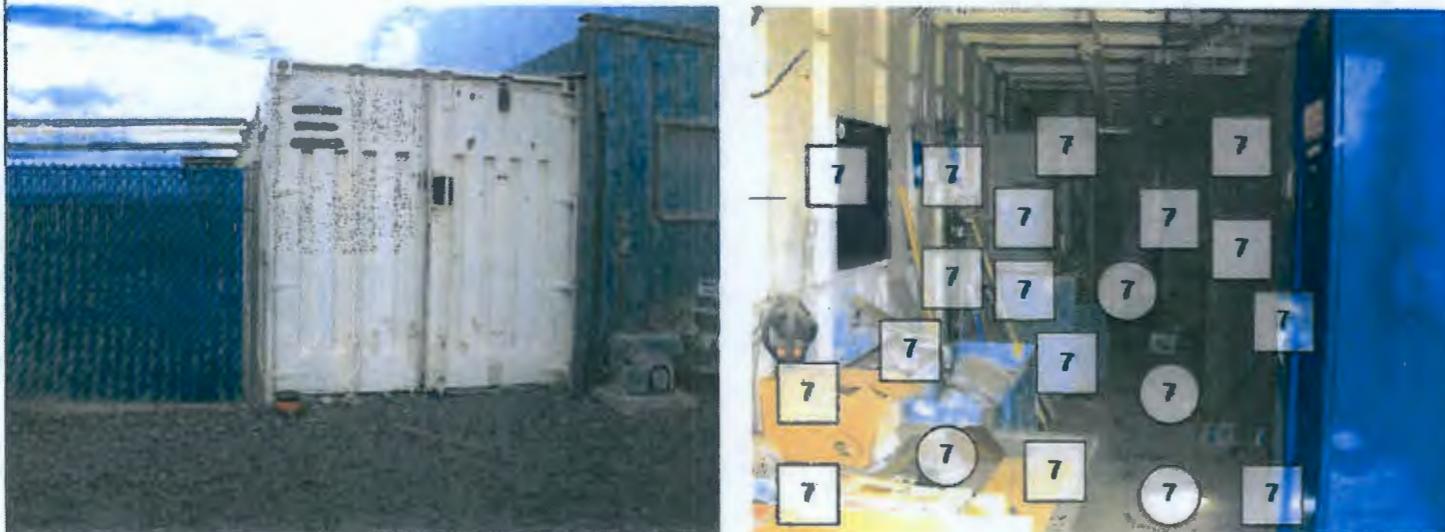
Control Number: D4-BOW-010

FACILITY STATUS CHANGE FORM

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

CR2M HILL PLATEAU REMEDIATION COMPANY RADIOLOGICAL SURVEY REPORT (Submitted for Approval)	RSR No. L-1400509	Page 9 of 13
--	----------------------	--------------

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/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-010

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

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

RSR No.
 L-1400509

Page 10 of 13

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/yr 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-010

FACILITY STATUS CHANGE FORM

**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

Legend

- 9 Direct Measurement
- 9 Air Sample
- 9 Smear
- 9 LAW
- 9 Neutron Dose Rate
- 9 Transferability
- 9 Field
- 9 Contact
- 9 Other Distance
- 9 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-010

FACILITY STATUS CHANGE FORM

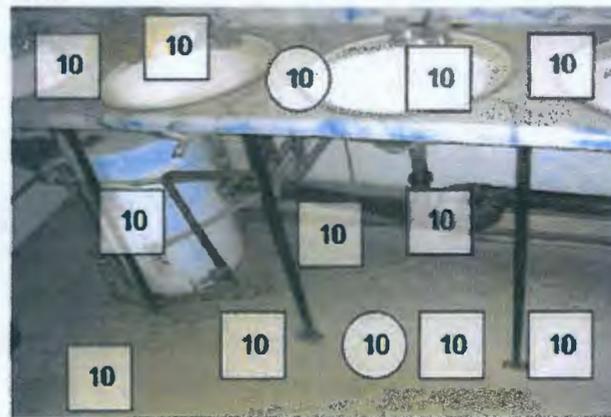
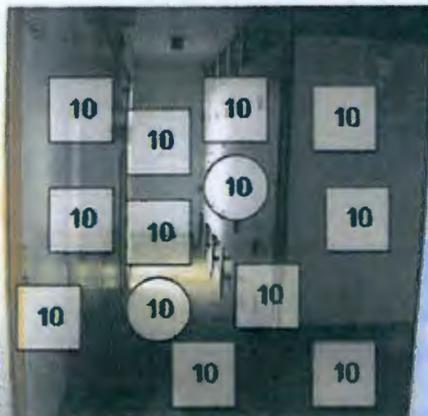
** Electronically Approved – L-1400509 on 5/16/2014 **

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

**RSR No.
L-1400509**

Page 12 of 13

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-010

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 13 of 13
Instruments			
Instrument Type	Bar Code No.	Probe Bar Code No.	Efficiency (Used)
LUDLUM 2360	SCLL8-0431	DTLLP-0538	β0.10 α0.10
LUDLUM 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-155 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.			

FACILITY STATUS CHANGE FORM		
Date Submitted: 5/28/2015	Area: 200 West Area	Control Number: DA-BOW-010

FACILITY STATUS CHANGE FORM

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-010

*** 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 (H6820981)
Title: Reviewer
Date: Friday, May 16, 2014, 3:58 PM Pacific Standard Time
=====

ATTACHMENT 3

**FACILITY STATUS CHANGE FORMS FOR 2263-W
D4-BOW-011**

Consisting of 22 pages,
including this cover page

FACILITY STATUS CHANGE FORM

Date Submitted: 3/31/2015

Area: 200 West Area

Control Number: D4-BOW-011

Originator: Brett M. Barnes

Facility ID: 2263-W

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.

2263-W was a steel structure used for storage of compressed gas bottles (bottle dock). This facility was used by Engineering, Project, and Construction forces.

Demolition of 2263-W was performed during August 2014. Waste associated with this demolition was characterized under Waste Profile Number WP-PRCIF003, Revision 1, and disposed at the Environmental Restoration Disposal Facility.

The following actions were specifically implemented for 2263-W:

- 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 (ARAR) 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 2263-W structure is estimated to weigh approximately 40 tons.
- There was no potential for friable or nonfriable asbestos to be present at this structure.
- 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.

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).

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.

FACILITY STATUS CHANGE FORM

Date Submitted: 3/31/2015

Area: 200 West Area

Control Number: D4-BOW-011

Description of Current/As-Left Conditions:

The underlying soil of 2263-W 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 2263-W 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 \$49,678.

Section 4: List of Attachments

Attachment A: Project Photographs of 2263-W (Pre-Demolition, During Demolition, and Post-Demolition)

Attachment B: Radiological Survey Report

Wade Woolery
DOE-RL (Print)

Wade Woolery
Signature

Feb 16, 2016
Date

FACILITY STATUS CHANGE FORM

Date Submitted: 3/31/2015

Area: 200 West Area

Control Number: D4-BOW-011

Attachment A



2263-W Pre-Demolition

FACILITY STATUS CHANGE FORM

Date Submitted: 3/31/2015

Area: 200 West Area

Control Number: D4-BOW-011



2263-W During Demolition

FACILITY STATUS CHANGE FORM

Date Submitted: 3/31/2015

Area: 200 West Area

Control Number: D4-BOW-011



2263-W Post-Demolition

FACILITY STATUS CHANGE FORM

Date Submitted: 3/31/2015

Area: 200 West Area

Control Number: D4-BOW-011

Attachment B

Radiological Survey Report

CH2M HILL PLATEAU REMEDIATION COMPANY RADIOLOGICAL SURVEY REPORT (Submitted for Approval)					RSR No. L-1400507					Page 1 of 14																											
Date 5/9/2014		Start/Stop Time 0700 / 1500		Area/Location 200W / Outside Areas / Construction Forces Yard / Non-Radiological Area						RWP/Rev. N/A																											
Purpose of Survey: <input type="checkbox"/> Material Clearance Number: N/A Cleared to: N/A <input type="checkbox"/> Ram Shipment: N/A <input type="checkbox"/> Required Task: N/A <input type="checkbox"/> Job Coverage: N/A <input type="checkbox"/> Verification survey $\alpha = <D$ <D=No increase in audible count rate <table style="width:100%; border: none;"> <tr> <td style="border: 1px solid black; width: 100px; text-align: center;">N/A</td> <td style="border: none;">Inches/Sec.</td> <td style="border: 1px solid black; width: 100px; text-align: center;">N/A</td> <td style="border: none;">Inches Away</td> </tr> <tr> <td style="border: 1px solid black; text-align: center;">N/A</td> <td style="border: none;">Count Time (Sec.)</td> <td style="border: 1px solid black; text-align: center;">N/A</td> <td style="border: none;">% Surveyed</td> </tr> <tr> <td style="border: 1px solid black; text-align: center;">N/A</td> <td style="border: none;"># of Static Counts</td> <td style="border: 1px solid black; text-align: center;">N/A</td> <td style="border: none;">Square Feet</td> </tr> </table> <input type="checkbox"/> Verification survey $\beta\gamma = <D$ <D=No increase in audible count rate <table style="width:100%; border: none;"> <tr> <td style="border: 1px solid black; width: 100px; text-align: center;">N/A</td> <td style="border: none;">Inches/Sec.</td> <td style="border: 1px solid black; width: 100px; text-align: center;">N/A</td> <td style="border: none;">Inches Away</td> </tr> <tr> <td style="border: 1px solid black; text-align: center;">N/A</td> <td style="border: none;">Count Time (Sec.)</td> <td style="border: 1px solid black; text-align: center;">N/A</td> <td style="border: none;">% Surveyed</td> </tr> <tr> <td style="border: 1px solid black; text-align: center;">N/A</td> <td style="border: none;"># of Static Counts</td> <td style="border: 1px solid black; text-align: center;">N/A</td> <td style="border: none;">Square Feet</td> </tr> </table> <input checked="" type="checkbox"/> Other: Verification					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	Description of Work / Comments: Construction Force Facilities PreDemo Survey Comments: Performed Verification survey with Good Radiological Practice Guidance of Construction Forces Non-Radiological Buildings, Trailers and Equipment Laydown area in 200W. Each area/building/conex entered was inspected for fugitive radioactive materials and biological vector intrusion. Structures have been abandoned and are in various states of decay and disrepair, presenting multiple hazards. Areas, buildings, conex's previously deemed "Unsafe for Entry" were premarked with Orange DOT painted X's. Areas denoted and itemized on maps were surveyed with the minimum of the following criterion: no less than 10% of surfaces scanned at 1-2"/sec, 1/4" away, focused on areas of greatest potential or that appeared suspect. Locations scanned that had indication of greater than background audible counts were static counted for no less than 5 seconds. Each building, conex, storage area entered was also smeared in no less than 4 locations by direction of RCS for possible smearable contamination.								
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																																		
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																										
		$\beta\gamma$	α	$\beta\gamma$	α	$\beta\gamma$	α	$\beta\gamma$	α		Gross (cpm)		dpm/100 cm ²																								
											$\beta\gamma$	α	$\beta\gamma$	α																							
1	Surfaces within 2306W	250	1.2	220	1	<5000	<500	10	10	Smear	240	1	<1000	<20																							
2	Surfaces within 2315W	240	1.2	260	0	<5000†	<500†	10	10	Smear	240	1	<1000†	<20†																							
3	Exterior storage areas around 2315W	220	1.2	220	0	<5000	<500	10	10	Smear	220	1	<1000	<20																							
4	Surfaces within 2308W	225	1.2	220	1	<5000	<500	10	10	Smear	225	0	<1000	<20																							
5	Surfaces within 2307W	230	1.2	230	1	<5000	<500	10	10	Smear	230	1	<1000	<20																							
6	Surfaces within Conex CC2W489 and adjacent areas	260	1.2	250	0	<5000	<500	10	10	Smear	260	1	<1000	<20																							

Date Submitted: 05/10/2014 14:48:00

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

Date Submitted: 3/31/2015

Area: 200 West Area

Control Number: D4-BOW-011

FACILITY STATUS CHANGE FORM

** Electronically Approved – L-1400507 on 5/22/2014 **:

CH2M HILL PLATEAU REMEDIATION COMPANY RADIOLOGICAL SURVEY REPORT (Submitted for Approval)										RSR No. L-1400507		Page 2 of 14			
Contamination Measurements (Continued)															
† Manually Calculated by RCT															
No.	Description	Background cpm		Direct Gross cpm/100 cm ²		Total dpm/100 cm ²		Correction Factor		Type	Removable				
		βy	α	βy	α	βy	α	βy	α		Gross (cpm)	dpm/100 cm ²			
											βy	α	βy	α	
7	Surfaces within Conex CC2W488 and adjacent 'Finishers Shop' areas	250	1.2	250	0	<5000	<500	10	10	Smear	250	1	<1000	<20	
8	Surfaces within 2304W and adjacent areas	240	1.2	240	0	<5000	<500	10	10	Smear	240	0	<1000	<20	
9	Surfaces around 2314W	265	1.2	260	0	<5000	<500	10	10	Smear	265	1	<1000	<20	
10	Surfaces within Gas Storage 2263W and adjacent areas	280	1.2	280	0	<5000	<500	10	10	Smear	280	0	<1000	<20	
11	Surfaces within Painters tent and adjacent areas	250	1.2	250	0	<5000	<500	10	10	Smear	250	1	<1000	<20	
12	Surfaces within Conex CC2W492 and adjacent areas	240	1.2	240	0	<5000	<500	10	10	Smear	240	0	<1000	<20	

Date Submitted: 3/31/2015

Area: 200 West Area

Control Number: D4-Bow-011

FACILITY STATUS CHANGE FORM

** Electronically Approved – L-1400507 on 5/22/2014 **

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

**RSR No.
L-1400507**

Page 3 of 14

Map/Sketch



Map Name: 200W construction trailer

Map Description: 2306W

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 14:48:00

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

Date Submitted: 3/31/2015

Area: 200 West Area

Control Number: D4-BOW-011

FACILITY STATUS CHANGE FORM

** Electronically Approved – L-1400507 on 5/22/2014 **:

CH2M HILL PLATEAU REMEDIATION COMPANY RADIOLOGICAL SURVEY REPORT (Submitted for Approval)	RSR No. L-1400507	Page 4 of 14
Map/Sketch		
Map Name: 200W Construction Trailer		Map Description: 2315W, adjacent pad
Legend	# Direct Measurement ▲ Air Sample ⊕ Smear <u>ft</u> LAW ◆ Neutron Dose Rate T# Transferability F# Field C# Contact D# Other Distance Ⓢ Other Measurement	
----- (designation inside) ----- Radiological Area Boundary		Note: Dose Rates in mrem/hr unless otherwise noted.

Date Submitted: 05/10/2014 14:48:00

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

Date Submitted: 3/31/2015

Area: 200 West Area

Control Number: D4-BOW-011

FACILITY STATUS CHANGE FORM

** Electronically Approved – L-1400507 on 5/22/2014 **

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

**RSR No.
L-1400507**

Page 5 of 14

Map/Sketch



Map Name: 200W Construction Trailer

Map Description: 2308W, 2307W

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 14:48:00

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

Date Submitted: 3/31/2015

Area: 200 West Area

Control Number: D4-BOW-011

FACILITY STATUS CHANGE FORM

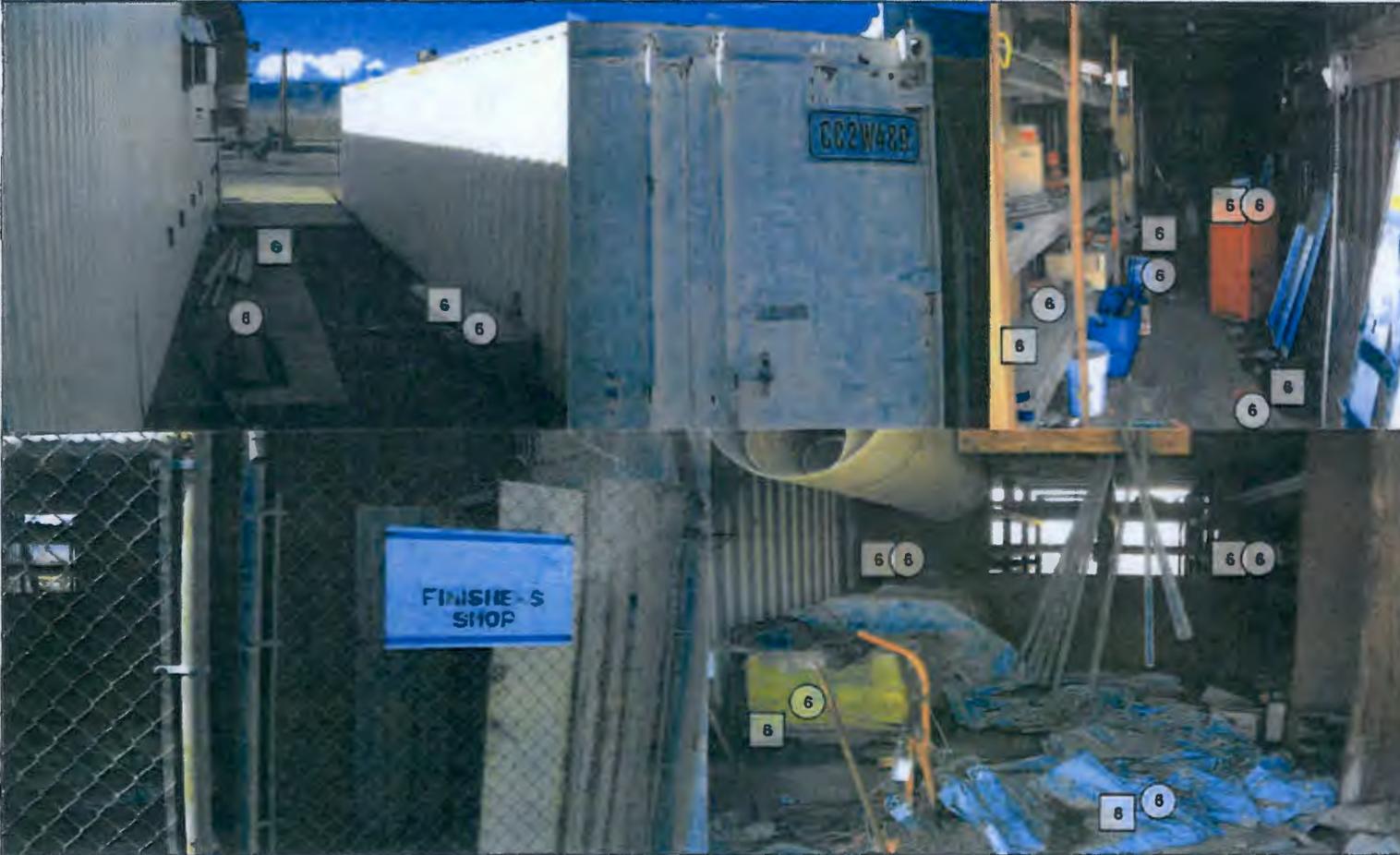
** Electronically Approved – L-1400507 on 5/22/2014 **

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

**RSR No.
L-1400507**

Page 6 of 14

Map/Sketch



Map Name: 200W Construction Conex

Map Description: CC2W489, Finishers Shop

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 14:48:00

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

Date Submitted: 3/31/2015

Area: 200 West Area

Control Number: D4-BOW-011

FACILITY STATUS CHANGE FORM

** Electronically Approved – L-1400507 on 5/22/2014 **

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

**RSR No.
L-1400507**

Page 7 of 14

Map/Sketch



Map Name: 200W Construction Trailer/Conex

Map Description: Outside storage areas

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

Date Submitted: 05/10/2014 14:48:00

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

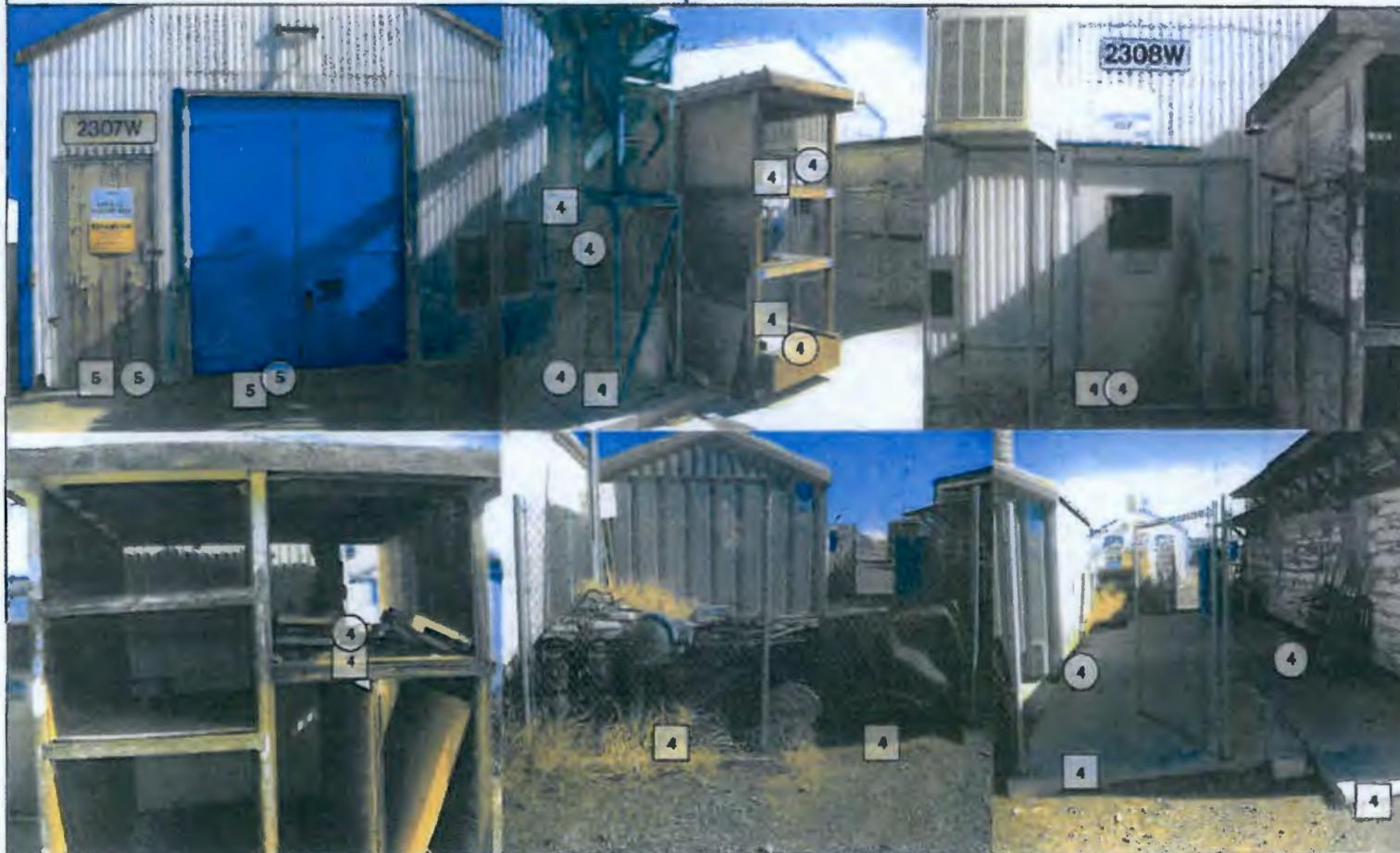
Date Submitted: 3/31/2015

Area: 200 West Area

Control Number: D4-BOW-011

FACILITY STATUS CHANGE FORM

Map/Sketch



Map Name: 200W Construction Trailer/conex Map Description: Backside outside storage areas

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 14:48:00

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

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

**RSR No.
L-1400507**

Page 9 of 14

Map/Sketch



Map Name: 200W Construction Trailer

Map Description: 2304W

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 14:48:00

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

Date Submitted: 3/31/2015

Area: 200 West Area

Control Number: D4-BOW-011

FACILITY STATUS CHANGE FORM

** Electronically Approved – L-1400507 on 5/22/2014 **

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

**RSR No.
L-1400507**

Page 10 of 14

Map/Sketch



Map Name: 200W Construction Trailer

Map Description: Outside 2304W, outside storage, and buildings not surveyed

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 14:48:00

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

Date Submitted: 3/31/2015

Area: 200 West Area

Control Number: D4-BOW-011

FACILITY STATUS CHANGE FORM

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

**RSR No.
L-1400507**

Page 11 of 14

Map/Sketch



Map Name: 200W Construction Storage areas

Map Description: 2263W and Outside-storage areas

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 14:48:00

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

Date Submitted: 3/31/2015

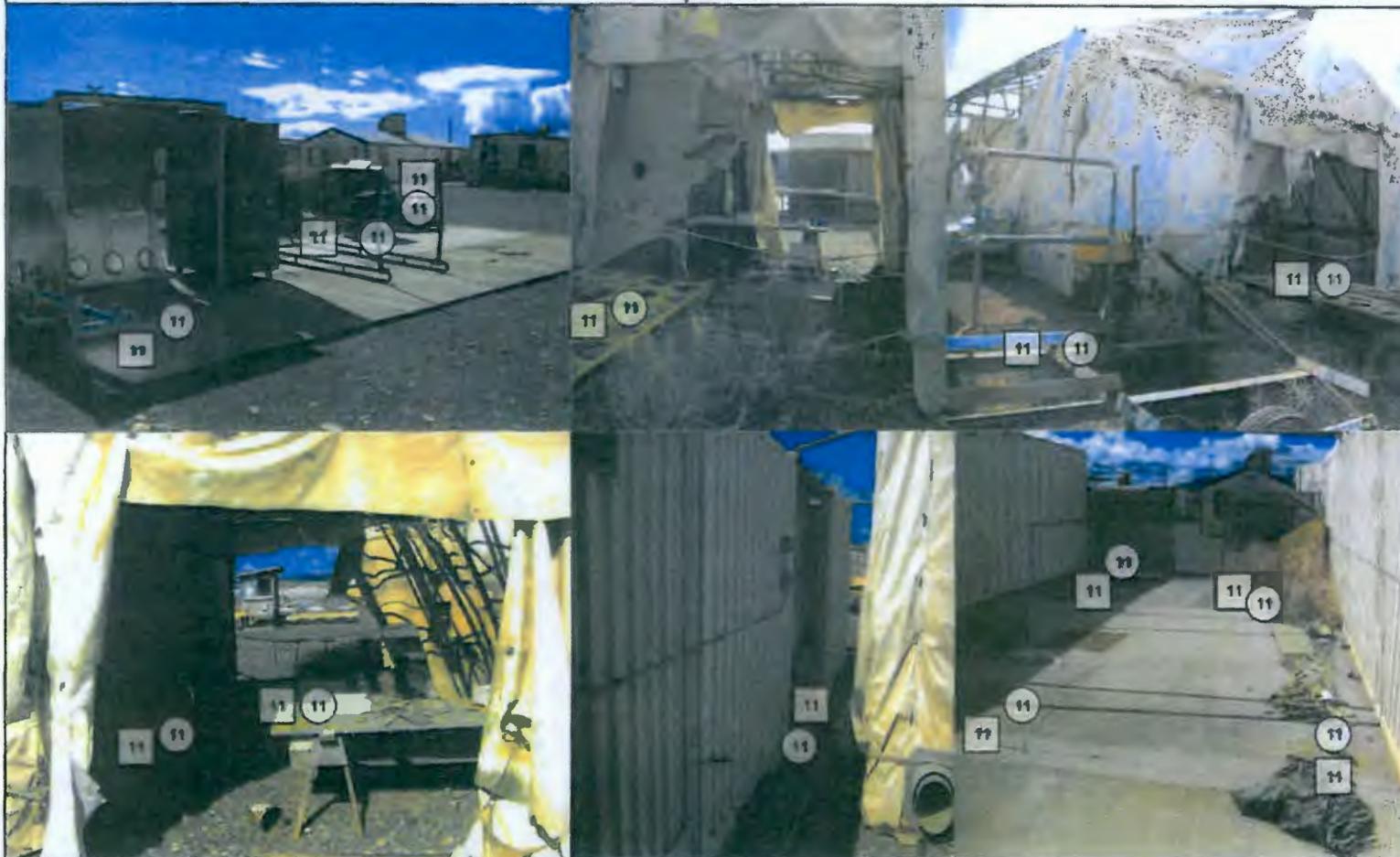
Area: 200 West Area

Control Number: DA-BOW-011

FACILITY STATUS CHANGE FORM

CH2M HILL PLATEAU REMEDIATION COMPANY RADIOLOGICAL SURVEY REPORT (Submitted for Approval)	RSR No. L-1400507	Page 12 of 14
--	------------------------------	---------------

Map/Sketch



Map Name: 200W Construction Trailer/work areas	Map Description: Outside storage pads and tented prep shop																					
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:10%;">Legend</td> <td style="width:15%;"># Direct Measurement</td> <td style="width:15%;">▲ Air Sample</td> <td style="width:15%;">⊕ Smear</td> <td style="width:15%;">L# LAW</td> <td style="width:15%;">◆ Neutron Dose Rate</td> <td style="width:15%;">T# Transferability</td> <td style="width:15%;">F# Field</td> <td style="width:15%;">C# Contact</td> <td style="width:15%;"># Other Distance</td> <td style="width:15%;"># Other Measurement</td> </tr> <tr> <td colspan="10" style="text-align: center;">----- (designation inside) ----- Radiological Area Boundary</td> </tr> </table>		Legend	# Direct Measurement	▲ Air Sample	⊕ Smear	L# LAW	◆ Neutron Dose Rate	T# Transferability	F# Field	C# Contact	# Other Distance	# Other Measurement	----- (designation inside) ----- Radiological Area Boundary									
Legend	# Direct Measurement	▲ Air Sample	⊕ Smear	L# LAW	◆ Neutron Dose Rate	T# Transferability	F# Field	C# Contact	# Other Distance	# Other Measurement												
----- (designation inside) ----- Radiological Area Boundary																						
Note: Dose Rates in mrem/hr unless otherwise noted.																						

Date Submitted: 05/10/2014 14:48:00 A-6004-663-SS (Rev. 4)

FACILITY STATUS CHANGE FORM
Date Submitted: 3/31/2015
Area: 200 West Area
Control Number: D4-BOW-011

** Electronically Approved – L-1400507 on 5/22/2014 **:

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

**RSR No.
L-1400507**

Page 13 of 14

Map/Sketch



Map Name: Construction Forces Laydown area

Map Description: conex CC2W492

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 14:48:00

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

Date Submitted: 3/31/2015

Area: 200 West Area

Control Number: DA-BOW-011

FACILITY STATUS CHANGE FORM

** Electronically Approved - L-1400507 on 5/22/2014 **

CH2M HILL PLATEAU REMEDIATION COMPANY RADIOLOGICAL SURVEY REPORT (Submitted for Approval)		RSR No. L-1400507	Page 14 of 14
Instruments			
Instrument Type	Bar Code No.	Probe Bar Code No.	Efficiency (Used)
LUDLUM 2360	SCLL8-0422	DTLLP-0530	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-155 are ≤ 10 times the b-g contamination levels shown above (see CHPRC-00073, Table 2-2).			
History			
2014-05-10 14:49:42 - Myers, Steven - Submitted			
2014-05-21 05:49:51 - Myers, Steven - Submitted: unknown submission error. resubmitted.			

Date Submitted: 3/31/2015

Area: 200 West Area

Control Number: D4-BOW-011

FACILITY STATUS CHANGE FORM

FACILITY STATUS CHANGE FORM

Date Submitted: 3/31/2015

Area: 200 West Area

Control Number: D4-BOW-011

*** Electronically Approved – L-1400507 on 5/22/2014 ***

User: MYERS, STEVEN (H7301859)
Title: Contributor
Date: Wednesday, May 21, 2014, 5:49 AM Pacific Standard Time
=====

User: KLEKAR, SCOTT (H0099867)
Title: Contributor
Date: Thursday, May 22, 2014, 7:23 AM Pacific Standard Time
=====

User: SIMS, MARK (H0003931)
Title: Reviewer
Date: Thursday, May 22, 2014, 7:55 AM Pacific Standard Time
=====

ATTACHMENT 4

**FACILITY STATUS CHANGE FORMS FOR 2265-W
D4-BOW-012**

Consisting of 14 pages,
including this cover page

FACILITY STATUS CHANGE FORM

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-012

Originator: Brett M. Barnes

Facility ID: 2265-W

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.

2265-W consisted of a skid-mounted single-wide structure used primarily as an ice house. This facility was used by Engineering, Project, and Construction forces.

Demolition of 2265-W was performed during September 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 2265-W:

- 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).
- 2265-W is estimated to weigh approximately 30 tons.
- Asbestos sampling of the structure indicated 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*, as amended.
- 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).

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 2265-W will not be a documented or potential waste site. Visual inspection of the underlying soil confirmed no visible staining from potential hazardous substances.

FACILITY STATUS CHANGE FORM

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-012

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 2265-W 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 \$32,173.

Section 4: List of Attachments

Attachment A: Project Photographs of 2265-W (Pre-Demolition, During Demolition, and Post-Demolition)

Attachment B: Radiological Survey Report

Wade Woolery
DOE-RL (Print)

Wade Woolery
Signature

Feb 16, 2016
Date

FACILITY STATUS CHANGE FORM

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-012

Attachment A



2265-W Pre-Demolition

FACILITY STATUS CHANGE FORM

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-012



2265-W During Demolition

FACILITY STATUS CHANGE FORM

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-012



2265-W Post-Demolition

FACILITY STATUS CHANGE FORM

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-012

Attachment B

Radiological Survey Report

CH2M HILL PLATEAU REMEDIATION COMPANY RADIOLOGICAL SURVEY REPORT (Submitted for Approval)		RSR No. L-1400506	Page 1 of 6
--	--	----------------------	-------------

Date 5/9/2014	Start/Stop Time 0800 / 1600	Area/Location 100R / 104RW / N/A / GYPSY CAMP	RWP/Rev. 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: Pre Demo verification survey

Description of Work / Comments:

Completed "Verification" survey of the abandoned construction force facilities (GYPSY CAMP) in the 100-West area.

Comments: Completed pre-demo "verification" survey of the abandoned construction services buildings in the 100-West area. Survey was as followed: 10% of each building based on the presence of biological vectors and suspect items. Scan surfaces at 2"/second at 1/4" pausing for 5 seconds at any elevated audible location. A minimum of four (4) technical smears were taken in each facility. Lead RCT Steve Myers added to this survey for technical review only.

Contamination Measurements

No.	Description	† Manually Calculated by RCT													
		Background cpm		Direct Gross cpm/100 cm ²		Total cpm/100 cm ²		Correction Factor		Removals					
		By	a	By	a	By	a	By	a	Type	By	a	By	a	
C1	MC-556	250	0	250	0	<5000	<500	10	10	Smear	250	0	<1000	<20	
C2	MC-641	250	0	250	0	<5000	<500	10	10	Smear	250	0	<1000	<20	
C3	2300-W	250	0	250	0	<5000	<500	10	10	Smear	250	0	<1000	<20	
C4	2309-W	250	0	250	0	<5000	<500	10	10	Smear	250	0	<1000	<20	
C5	2265-W	250	0	250	0	<5000	<500	10	10	Smear	250	0	<1000	<20	

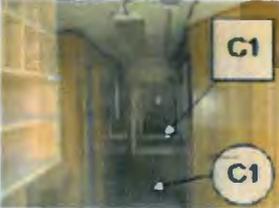
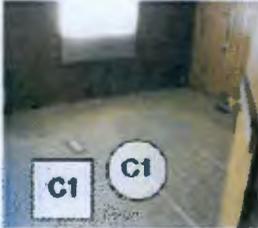
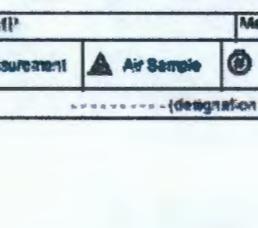
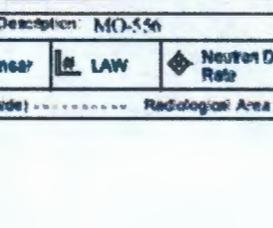
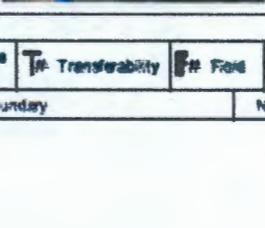
Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-012

FACILITY STATUS CHANGE FORM

** Electronically Approved - L-1400506 on 6/9/2014 **

CH2M HILL PLATEAU REMEDIATION COMPANY RADIOLOGICAL SURVEY REPORT (Submitted for Approval)		RSR No. L-1400506	Page 2 of 6	
Map/Sketch				
				BUILDING MO-556
				
				
				
				
				
Map Name: GYPSY CAMP		Map Description: MO-556		
Legend	Dred Measurement	Air Sample	Smear	
	LAW	Neutron Dose Rate	Transferability	
	Fore	Contact	Other Distance	
	Other Measurement			
----- (designation inside) ----- Radiological Area Boundary			Note: Dose Rates in mrem/hr unless otherwise noted	

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-012

FACILITY STATUS CHANGE FORM

** Electronically Approved - L-1400506 on 6/9/2014 **

CH2M HILL PLATEAU REMEDIATION COMPANY RADIOLOGICAL SURVEY REPORT (Submitted for Approval)		RSR No. L-1400506	Page 3 of 6
Map/Sketch			
			
			
			
BUILDING MO-841			
Map Name: GYPSY CAMP		Map Description: MO-841	
Legend	<input checked="" type="checkbox"/> Direct Measurement	<input checked="" type="checkbox"/> Air Sample	<input checked="" type="checkbox"/> Smear
	<input checked="" type="checkbox"/> LAW	<input checked="" type="checkbox"/> Neutron Dose Rate	<input checked="" type="checkbox"/> Transferability
	<input checked="" type="checkbox"/> Field	<input checked="" type="checkbox"/> Contact	<input checked="" type="checkbox"/> Other Distance
	<input checked="" type="checkbox"/> Other Measurement		
----- (designation inside) ----- Radiological Area Boundary			Note: Dose Rates in mrem/hr unless otherwise noted

Date Submitted: 5/28/2015	Area: 200 West Area	Control Number: D4-BOW-012
FACILITY STATUS CHANGE FORM		

** Electronically Approved - L-1400506 on 6/9/2014 **

CH2M HILL PLATEAU REMEDIATION COMPANY RADIOLOGICAL SURVEY REPORT (Submitted for Approval)		RSR No. L-1400506	Page 4 of 6
Map/Sketch			
Map Name: GYPSY CAMP		Map Description: Building 2 300W	
Legend	Dired Measurement	Air Sample	Smear
	LAW	Neutron Dose Rate	Transferability
	Field	Contact	Other Distance
	Other Measurement	Note: Dose Rates in mrem/hr unless otherwise noted	
..... (designation inside)		Radiological Area Boundary	

Date Submitted: 5/28/2015	Area: 200 West Area	Control Number: D4-BOW-012
FACILITY STATUS CHANGE FORM		

** Electronically Approved -- L-1400506 on 6/9/2014 **

CH2M HILL PLATEAU REMEDIATION COMPANY RADIOLOGICAL SURVEY REPORT (Submitted for Approval)		RSR No. L-1400506	Page 5 of 6
Map/Sketch			
			
			
			
BUILDING #2309W			
Map Name: GYPSY CAMP		Map Description: Building 2309W	
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: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-012

FACILITY STATUS CHANGE FORM

** Electronically Approved - L-1400506 on 6/9/2014 **

CH2M HILL PLATEAU REMEDIATION COMPANY RADIOLOGICAL SURVEY REPORT (Submitted for Approval)		RSR No. L-1400506	Page 6 of 6
Map/Sketch			
			
BUILDING # 225W			
Map Name: GYPSY CAMP		Map Description: Building 225W	
Legend	<input checked="" type="checkbox"/> Direct Measurement	<input checked="" type="checkbox"/> Air Sample	<input checked="" type="checkbox"/> Smear
	<input checked="" type="checkbox"/> LAW	<input checked="" type="checkbox"/> Neutron Dose Rate	<input checked="" type="checkbox"/> Transferability
	<input checked="" type="checkbox"/> Field	<input checked="" type="checkbox"/> Contact	<input checked="" type="checkbox"/> Other Distance
	----- (designated inside) ----- Radiological Area Boundary		Note: Dose Rates in mrem/hr unless otherwise noted.
Instruments			
Instrument Type	Ser Code No.	Probe Ser Code No.	Efficiency (Used)
LUCALON 2360	SCLLE-0510	DTLLP-0614	80.1 @0.1
Unless stated otherwise in the "Comments" section, contamination levels for C-14, Pa-55, Ni-59, Ni-63, Se-79, Tc-99, Pd-107, and Pu-155 are ≤ 10 times the b-g contamination levels shown above (see CH2M-00073, Table 2-2).			
History			
2014-06-09 10:38:21 - Richardson, L. Dan - Submitted			
2014-06-09 14:31:11 - Richardson, L. Dan - UnSubmitted: corrections on direct readings			
2014-06-09 14:37:24 - Richardson, L. Dan - Submitted: made corrections on direct readings			
2014-06-09 14:40:55 - Richardson, L. Dan - UnSubmitted: corrections on removable readings			
2014-06-09 14:42:55 - Richardson, L. Dan - Submitted: corrections on removable readings			

FACILITY STATUS CHANGE FORM

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: DA-BOW-012

FACILITY STATUS CHANGE FORM

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-012

*** Electronically Approved - L-1400506 on 6/9/2014 ***

User: RICHARDSON, LEONARD (H0051423)
Title: Contributor
Date: Monday, June 09, 2014, 2:42 PM Pacific Standard Time

.....

User: MYERS, STEVEN (H7301859)
Title: Contributor
Date: Monday, June 09, 2014, 2:49 PM Pacific Standard Time

.....

User: SIMS, MARK (H0003931)
Title: Reviewer
Date: Monday, June 09, 2014, 3:33 PM Pacific Standard Time

.....

ATTACHMENT 5

**FACILITY STATUS CHANGE FORMS FOR 2300-W
D4-BOW-013**

**Consisting of 14 pages,
including this cover page**

FACILITY STATUS CHANGE FORM

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-013

Originator: Brett M. Barnes

Facility ID: 2300-W

Phone: 509 521-3053

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.

2300-W consisted of a single-wide skid mounted structure, including a structure added on the north end. This facility was primarily used by electricians supporting Engineering, Project, and Construction forces.

Demolition of 2300-W 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 2300-W:

- 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 2300-W structures is estimated to weigh approximately 110 tons.
- Asbestos sampling results indicated 10 percent category 1, nonfriable chrysotile asbestos containing material in floor tiles and associated mastic.
- 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).

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.

FACILITY STATUS CHANGE FORM

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-013

Description of Current/As-Left Conditions:

The underlying soil of 2300-W 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 2300-W 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 \$131,334.

Section 4: List of Attachments

Attachment A: Project Photographs of 2300-W (Pre-Demolition, During Demolition, and Post-Demolition)

Attachment B: Radiological Survey Report

Wade Woolery
DOE-RL (Print)

Wade Woolery
Signature

Feb 11, 2016
Date

FACILITY STATUS CHANGE FORM

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-013

Attachment A



2300-W Pre-Demolition

FACILITY STATUS CHANGE FORM

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-013



2300-W During Demolition (North Side Removed)



2300-W During Demolition (North Side Removed)

FACILITY STATUS CHANGE FORM

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-013



2300-W Post-Demolition

FACILITY STATUS CHANGE FORM

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-013

Appendix B

Radiological Survey

** Electronically Approved - L-1400506 on 6/9/2014 **

CH2M HILL PLATEAU REMEDIATION COMPANY					RSR No. L-1400506					Page 1 of 6																																	
Date 5/9/2014			Start/Stop Time 0800 / 1600			Area/Location 100E / 105EW / N/A / GYPSY CAMP					RWPR Rev. N/A																																
Purpose of Survey										Description of Work / Comments:																																	
<input type="checkbox"/> Material Clearance Number: N/A Cleared to: N/A Ram Shipment: N/A Required Task: N/A Job Coverage: N/A <input type="checkbox"/> Verification survey α = <D <D=No increase in audible count rate <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>N/A</td><td>Inches/Sec.</td><td>N/A</td><td>Inches Away</td> </tr> <tr> <td>N/A</td><td>Count Time (Sec)</td><td>N/A</td><td>% Surveyed</td> </tr> <tr> <td>N/A</td><td># of Static Counts</td><td>N/A</td><td>Square Feet</td> </tr> </table> <input type="checkbox"/> Verification survey βγ = <D <D=No increase in audible count rate <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>N/A</td><td>Inches/Sec.</td><td>N/A</td><td>Inches Away</td> </tr> <tr> <td>N/A</td><td>Count Time (Sec)</td><td>N/A</td><td>% Surveyed</td> </tr> <tr> <td>N/A</td><td># of Static Counts</td><td>N/A</td><td>Square Feet</td> </tr> </table> <input checked="" type="checkbox"/> Other: Pre Demo verification survey										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	Completed "Verification" survey of the abandoned construction force facilities(GYPSY CAMP) in the 200-West area. Comments: Completed pre-demo "verification" survey of the abandoned construction services buildings in the 200-West area. Survey was as followed: 10' of each building based on the presence of biological vectors and suspect items. Scan surfaces at 2"/second at 1/4" pausing for 5 seconds at any elevated audible location. A minimum of four (4) technical smears were taken in each facility. Lead RCT Steve Myers added to this survey for technical review only.									
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																																								
Contamination Measurements																																											
† Manually Calculated by RCT																																											
		Backgrounds cpm		Direct Gross cpm/100 cm ²		Total cpm/100 cm ²		Corrosion Factor		Removable																																	
										Gross (cpm)		cpm/100 cm ²																															
No.	Description	βγ	α	βγ	α	βγ	α	βγ	α	Type	βγ	α	βγ	α																													
C1	N0-556	250	0	250	0	<5000	<500	10	10	Smear	250	0	<1000	<20																													
C2	N0-841	250	0	250	0	<5000	<500	10	10	Smear	250	0	<1000	<20																													
C3	2300-W	250	0	250	0	<5000	<500	10	10	Smear	250	0	<1000	<20																													
C4	2309-W	250	0	250	0	<5000	<500	10	10	Smear	250	0	<1000	<20																													
C5	2265-W	250	0	250	0	<5000	<500	10	10	Smear	250	0	<1000	<20																													

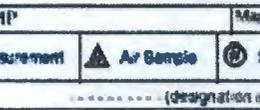
Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-013

FACILITY STATUS CHANGE FORM

** Electronically Approved - L-1400506 on 6/9/2014 **

CH2M HILL PLATEAU REMEDIATION COMPANY RADIOLOGICAL SURVEY REPORT (Submitted for Approval)		RSR No. L-1400506	Page 2 of 6
Map/Sketch			
			
			
			
		BUILDING MO-556	
Map Name: GYPSY CAMP		Map Description: MO-556	
Legend	Dial 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: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-013

FACILITY STATUS CHANGE FORM

** Electronically Approved - L-1400506 on 6/9/2014 **

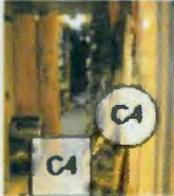
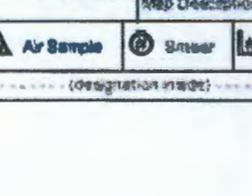
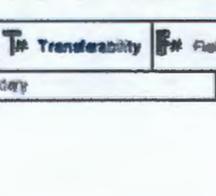
CH2M HILL PLATEAU REMEDIATION COMPANY RADIOLOGICAL SURVEY REPORT (Submitted for Approval)	RSR No. L-1400506	Page 3 of 6
Map/Sketch		
		BUILDING MO-B41
Map Name: GYPSY CAMP	Map Description: MO-B41	
Legend	<input type="checkbox"/> Direct Measurement <input type="checkbox"/> Air Sample <input type="checkbox"/> Smear <input type="checkbox"/> LAW <input type="checkbox"/> Neutron Dose RRs <input type="checkbox"/> Transferability <input type="checkbox"/> Field <input type="checkbox"/> Contact <input type="checkbox"/> Other Distance <input type="checkbox"/> Other Measurement	
 (designation inside) Radiological Area Boundary	Note: Dose Rates in rem/yr unless otherwise noted

Facility Status Change Form	Date Submitted: 5/28/2015	Area: 200 West Area
Control Number: DA-BOW-013		

** Electronically Approved - L-1400506 on 6/9/2014 **

CH2M HILL PLATEAU REMEDIATION COMPANY RADIOLOGICAL SURVEY REPORT (Submitted for Approval)		RSR No. L-1400506	Page 4 of 6
Map/Sketch			
Map Name: GYPSY CAMP		Map Description: Building 2300W	
Legend	<input checked="" type="checkbox"/> Direct Measurement	<input checked="" type="checkbox"/> Air Sample	<input checked="" type="checkbox"/> Smear
	<input checked="" type="checkbox"/> LAW	<input checked="" type="checkbox"/> Neutron Dose Rate	<input checked="" type="checkbox"/> Transferability
	<input checked="" type="checkbox"/> Field	<input checked="" type="checkbox"/> Contact	<input checked="" type="checkbox"/> Other Distance
	----- (designation in site) ----- Radiological Area Boundary		Note: Dose Rates in mrem/yr unless otherwise noted

FACILITY STATUS CHANGE FORM	Date Submitted: 5/28/2015
Area: 200 West Area	Control Number: D4-BOW-013

CH2M HILL PLATEAU REMEDIATION COMPANY RADIOLOGICAL SURVEY REPORT (Submitted for Approval)		RSR No. L-1400506	Page 5 of 6
Map/Sketch			
			
			
			
BUILDING #2309W			
Map Name: GYPSY CAMP		Map Description: Building 2309W	
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 μ R/hr unless otherwise noted.

Date Submitted: 5/28/2015

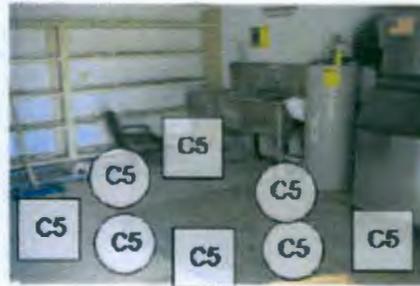
Area: 200 West Area

Control Number: D4-BOW-013

FACILITY STATUS CHANGE FORM

CH2M HILL PLATEAU REMEDIATION COMPANY RADIOLOGICAL SURVEY REPORT (Submitted for Approval)	RSR No. L-1400506	Page 6 of 6
--	----------------------	-------------

Map/Sketch



BUILDING #
2265W

Map Name: GYPSY CAMP	Map Description: Building 2265W
Legend	<input checked="" type="checkbox"/> Direct Measurement <input type="checkbox"/> Air Sample <input type="checkbox"/> Smear <input type="checkbox"/> LAW <input type="checkbox"/> Neutron Dose Rate <input type="checkbox"/> Transferability <input type="checkbox"/> Field <input type="checkbox"/> Contact <input type="checkbox"/> Other Distance <input type="checkbox"/> Other Measurement
----- (designation code) ----- Radiological Area Boundary Note: Dose Rates in mrem/hr unless otherwise noted	

Instruments			
Instrument Type	Ser Code No.	Probe Ser Code No.	Efficiency (Used)
LUDLUM 2360	SCLLE-0510	DTLLP-0614	30.1 α/β.1

Unless stated otherwise in the "Comments" section, contamination levels for C-14, Pu-239, Pu-240, Pu-241, Pu-242, Pu-243, Pu-244, Pu-245, Pu-246, Pu-247, Pu-248, Pu-249, Pu-250, Pu-251, Pu-252, Pu-253, Pu-254, Pu-255, Pu-256, Pu-257, Pu-258, Pu-259, Pu-260, Pu-261, Pu-262, Pu-263, Pu-264, Pu-265, Pu-266, Pu-267, Pu-268, Pu-269, Pu-270, Pu-271, Pu-272, Pu-273, Pu-274, Pu-275, Pu-276, Pu-277, Pu-278, Pu-279, Pu-280, Pu-281, Pu-282, Pu-283, Pu-284, Pu-285, Pu-286, Pu-287, Pu-288, Pu-289, Pu-290, Pu-291, Pu-292, Pu-293, Pu-294, Pu-295, Pu-296, Pu-297, Pu-298, Pu-299, Pu-300, Pu-301, Pu-302, Pu-303, Pu-304, Pu-305, Pu-306, Pu-307, Pu-308, Pu-309, Pu-310, Pu-311, Pu-312, Pu-313, Pu-314, Pu-315, Pu-316, Pu-317, Pu-318, Pu-319, Pu-320, Pu-321, Pu-322, Pu-323, Pu-324, Pu-325, Pu-326, Pu-327, Pu-328, Pu-329, Pu-330, Pu-331, Pu-332, Pu-333, Pu-334, Pu-335, Pu-336, Pu-337, Pu-338, Pu-339, Pu-340, Pu-341, Pu-342, Pu-343, Pu-344, Pu-345, Pu-346, Pu-347, Pu-348, Pu-349, Pu-350, Pu-351, Pu-352, Pu-353, Pu-354, Pu-355, Pu-356, Pu-357, Pu-358, Pu-359, Pu-360, Pu-361, Pu-362, Pu-363, Pu-364, Pu-365, Pu-366, Pu-367, Pu-368, Pu-369, Pu-370, Pu-371, Pu-372, Pu-373, Pu-374, Pu-375, Pu-376, Pu-377, Pu-378, Pu-379, Pu-380, Pu-381, Pu-382, Pu-383, Pu-384, Pu-385, Pu-386, Pu-387, Pu-388, Pu-389, Pu-390, Pu-391, Pu-392, Pu-393, Pu-394, Pu-395, Pu-396, Pu-397, Pu-398, Pu-399, Pu-400, Pu-401, Pu-402, Pu-403, Pu-404, Pu-405, Pu-406, Pu-407, Pu-408, Pu-409, Pu-410, Pu-411, Pu-412, Pu-413, Pu-414, Pu-415, Pu-416, Pu-417, Pu-418, Pu-419, Pu-420, Pu-421, Pu-422, Pu-423, Pu-424, Pu-425, Pu-426, Pu-427, Pu-428, Pu-429, Pu-430, Pu-431, Pu-432, Pu-433, Pu-434, Pu-435, Pu-436, Pu-437, Pu-438, Pu-439, Pu-440, Pu-441, Pu-442, Pu-443, Pu-444, Pu-445, Pu-446, Pu-447, Pu-448, Pu-449, Pu-450, Pu-451, Pu-452, Pu-453, Pu-454, Pu-455, Pu-456, Pu-457, Pu-458, Pu-459, Pu-460, Pu-461, Pu-462, Pu-463, Pu-464, Pu-465, Pu-466, Pu-467, Pu-468, Pu-469, Pu-470, Pu-471, Pu-472, Pu-473, Pu-474, Pu-475, Pu-476, Pu-477, Pu-478, Pu-479, Pu-480, Pu-481, Pu-482, Pu-483, Pu-484, Pu-485, Pu-486, Pu-487, Pu-488, Pu-489, Pu-490, Pu-491, Pu-492, Pu-493, Pu-494, Pu-495, Pu-496, Pu-497, Pu-498, Pu-499, Pu-500, Pu-501, Pu-502, Pu-503, Pu-504, Pu-505, Pu-506, Pu-507, Pu-508, Pu-509, Pu-510, Pu-511, Pu-512, Pu-513, Pu-514, Pu-515, Pu-516, Pu-517, Pu-518, Pu-519, Pu-520, Pu-521, Pu-522, Pu-523, Pu-524, Pu-525, Pu-526, Pu-527, Pu-528, Pu-529, Pu-530, Pu-531, Pu-532, Pu-533, Pu-534, Pu-535, Pu-536, Pu-537, Pu-538, Pu-539, Pu-540, Pu-541, Pu-542, Pu-543, Pu-544, Pu-545, Pu-546, Pu-547, Pu-548, Pu-549, Pu-550, Pu-551, Pu-552, Pu-553, Pu-554, Pu-555, Pu-556, Pu-557, Pu-558, Pu-559, Pu-560, Pu-561, Pu-562, Pu-563, Pu-564, Pu-565, Pu-566, Pu-567, Pu-568, Pu-569, Pu-570, Pu-571, Pu-572, Pu-573, Pu-574, Pu-575, Pu-576, Pu-577, Pu-578, Pu-579, Pu-580, Pu-581, Pu-582, Pu-583, Pu-584, Pu-585, Pu-586, Pu-587, Pu-588, Pu-589, Pu-590, Pu-591, Pu-592, Pu-593, Pu-594, Pu-595, Pu-596, Pu-597, Pu-598, Pu-599, Pu-600, Pu-601, Pu-602, Pu-603, Pu-604, Pu-605, Pu-606, Pu-607, Pu-608, Pu-609, Pu-610, Pu-611, Pu-612, Pu-613, Pu-614, Pu-615, Pu-616, Pu-617, Pu-618, Pu-619, Pu-620, Pu-621, Pu-622, Pu-623, Pu-624, Pu-625, Pu-626, Pu-627, Pu-628, Pu-629, Pu-630, Pu-631, Pu-632, Pu-633, Pu-634, Pu-635, Pu-636, Pu-637, Pu-638, Pu-639, Pu-640, Pu-641, Pu-642, Pu-643, Pu-644, Pu-645, Pu-646, Pu-647, Pu-648, Pu-649, Pu-650, Pu-651, Pu-652, Pu-653, Pu-654, Pu-655, Pu-656, Pu-657, Pu-658, Pu-659, Pu-660, Pu-661, Pu-662, Pu-663, Pu-664, Pu-665, Pu-666, Pu-667, Pu-668, Pu-669, Pu-670, Pu-671, Pu-672, Pu-673, Pu-674, Pu-675, Pu-676, Pu-677, Pu-678, Pu-679, Pu-680, Pu-681, Pu-682, Pu-683, Pu-684, Pu-685, Pu-686, Pu-687, Pu-688, Pu-689, Pu-690, Pu-691, Pu-692, Pu-693, Pu-694, Pu-695, Pu-696, Pu-697, Pu-698, Pu-699, Pu-700, Pu-701, Pu-702, Pu-703, Pu-704, Pu-705, Pu-706, Pu-707, Pu-708, Pu-709, Pu-710, Pu-711, Pu-712, Pu-713, Pu-714, Pu-715, Pu-716, Pu-717, Pu-718, Pu-719, Pu-720, Pu-721, Pu-722, Pu-723, Pu-724, Pu-725, Pu-726, Pu-727, Pu-728, Pu-729, Pu-730, Pu-731, Pu-732, Pu-733, Pu-734, Pu-735, Pu-736, Pu-737, Pu-738, Pu-739, Pu-740, Pu-741, Pu-742, Pu-743, Pu-744, Pu-745, Pu-746, Pu-747, Pu-748, Pu-749, Pu-750, Pu-751, Pu-752, Pu-753, Pu-754, Pu-755, Pu-756, Pu-757, Pu-758, Pu-759, Pu-760, Pu-761, Pu-762, Pu-763, Pu-764, Pu-765, Pu-766, Pu-767, Pu-768, Pu-769, Pu-770, Pu-771, Pu-772, Pu-773, Pu-774, Pu-775, Pu-776, Pu-777, Pu-778, Pu-779, Pu-780, Pu-781, Pu-782, Pu-783, Pu-784, Pu-785, Pu-786, Pu-787, Pu-788, Pu-789, Pu-790, Pu-791, Pu-792, Pu-793, Pu-794, Pu-795, Pu-796, Pu-797, Pu-798, Pu-799, Pu-800, Pu-801, Pu-802, Pu-803, Pu-804, Pu-805, Pu-806, Pu-807, Pu-808, Pu-809, Pu-810, Pu-811, Pu-812, Pu-813, Pu-814, Pu-815, Pu-816, Pu-817, Pu-818, Pu-819, Pu-820, Pu-821, Pu-822, Pu-823, Pu-824, Pu-825, Pu-826, Pu-827, Pu-828, Pu-829, Pu-830, Pu-831, Pu-832, Pu-833, Pu-834, Pu-835, Pu-836, Pu-837, Pu-838, Pu-839, Pu-840, Pu-841, Pu-842, Pu-843, Pu-844, Pu-845, Pu-846, Pu-847, Pu-848, Pu-849, Pu-850, Pu-851, Pu-852, Pu-853, Pu-854, Pu-855, Pu-856, Pu-857, Pu-858, Pu-859, Pu-860, Pu-861, Pu-862, Pu-863, Pu-864, Pu-865, Pu-866, Pu-867, Pu-868, Pu-869, Pu-870, Pu-871, Pu-872, Pu-873, Pu-874, Pu-875, Pu-876, Pu-877, Pu-878, Pu-879, Pu-880, Pu-881, Pu-882, Pu-883, Pu-884, Pu-885, Pu-886, Pu-887, Pu-888, Pu-889, Pu-890, Pu-891, Pu-892, Pu-893, Pu-894, Pu-895, Pu-896, Pu-897, Pu-898, Pu-899, Pu-900, Pu-901, Pu-902, Pu-903, Pu-904, Pu-905, Pu-906, Pu-907, Pu-908, Pu-909, Pu-910, Pu-911, Pu-912, Pu-913, Pu-914, Pu-915, Pu-916, Pu-917, Pu-918, Pu-919, Pu-920, Pu-921, Pu-922, Pu-923, Pu-924, Pu-925, Pu-926, Pu-927, Pu-928, Pu-929, Pu-930, Pu-931, Pu-932, Pu-933, Pu-934, Pu-935, Pu-936, Pu-937, Pu-938, Pu-939, Pu-940, Pu-941, Pu-942, Pu-943, Pu-944, Pu-945, Pu-946, Pu-947, Pu-948, Pu-949, Pu-950, Pu-951, Pu-952, Pu-953, Pu-954, Pu-955, Pu-956, Pu-957, Pu-958, Pu-959, Pu-960, Pu-961, Pu-962, Pu-963, Pu-964, Pu-965, Pu-966, Pu-967, Pu-968, Pu-969, Pu-970, Pu-971, Pu-972, Pu-973, Pu-974, Pu-975, Pu-976, Pu-977, Pu-978, Pu-979, Pu-980, Pu-981, Pu-982, Pu-983, Pu-984, Pu-985, Pu-986, Pu-987, Pu-988, Pu-989, Pu-990, Pu-991, Pu-992, Pu-993, Pu-994, Pu-995, Pu-996, Pu-997, Pu-998, Pu-999, Pu-1000.

History	
2014-06-09 10:38:21	- Richardson, L. Dan - Submitted
2014-06-09 14:31:11	- Richardson, L. Dan - UnSubmitted: corrections on direct readings
2014-06-09 14:37:24	- Richardson, L. Dan - Submitted: made corrections on direct readings
2014-06-09 14:40:55	- Richardson, L. Dan - UnSubmitted: corrections on removable readings
2014-06-09 14:42:55	- Richardson, L. Dan - Submitted: corrections on removable readings

FACILITY STATUS CHANGE FORM

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-013

FACILITY STATUS CHANGE FORM

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-013

*** Electronically Approved - L-1400506 on 6/9/2014 ***

User: RICHARDSON, LEONARD (H0051423)
Title: Contributor
Date: Monday, June 09, 2014, 2:42 PM Pacific Standard Time
=====

User: MYERS, STEVEN (H7301859)
Title: Contributor
Date: Monday, June 09, 2014, 2:49 PM Pacific Standard Time
=====

User: SIMS, MARK (H0003931)
Title: Reviewer
Date: Monday, June 09, 2014, 3:33 PM Pacific Standard Time
=====

ATTACHMENT 6

**FACILITY STATUS CHANGE FORMS FOR 2304-W
D4-BOW-014**

Consisting of 22 pages,
including this cover page

FACILITY STATUS CHANGE FORM

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-014

Originator: Brett M. Barnes

Facility ID: 2304-W

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.

2304-W was a steel-framed building that supports the pipefitter shop. This facility was used by Engineering, Project, and Construction forces.

Demolition of 2304-W was performed during 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 2304-W:

- 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 2304-W structure is estimated to weigh approximately 60 tons.
- Asbestos sample results indicated 16 and 11 percent category 1, nonfriable chrysotile asbestos containing material in window putty. Friable asbestos was removed from a steamline, packaged, and disposed of using approved methods before demolishing the structure.
- 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*, as amended.
- 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).

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.

FACILITY STATUS CHANGE FORM

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-014

Description of Current/As-Left Conditions:

The underlying soil of 2304-W 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 2304-W 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 \$78,527.

Section 4: List of Attachments

Attachment A: Project Photographs of 2304-W (Pre-Demolition, During Demolition, and Post-Demolition)

Attachment B: Radiological Survey Report

Wade Woolery
DOE-RL (Print)

Wade Woolery
Signature

Feb 16, 2016
Date

FACILITY STATUS CHANGE FORM

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-014

Attachment A



2304-W Pre-Demolition

FACILITY STATUS CHANGE FORM

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-014



2304-W During Demolition

FACILITY STATUS CHANGE FORM

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-014



2304-W Post-Demolition

FACILITY STATUS CHANGE FORM

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-014

Attachment B

Radiological Survey Report

CH2M HILL PLATEAU REMEDIATION COMPANY RADIOLOGICAL SURVEY REPORT (Submitted for Approval)			RSR No. L-1400507	Page 1 of 14
Date 5/9/2014	Start/Stop Time 0700 / 1500	Area/Location 200W / Outside Areas / Construction Forces Yard / Non-Radiological Area		RWP/Rev. N/A
Purpose of Survey: <input type="checkbox"/> Material Clearance Number: N/A Cleared to: N/A <input type="checkbox"/> Ram Shipment: N/A <input type="checkbox"/> Required Task: N/A <input type="checkbox"/> Job Coverage: N/A <input type="checkbox"/> 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 <input type="checkbox"/> Verification survey $\beta y = <D$ <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 <input checked="" type="checkbox"/> Other: Verification		Description of Work / Comments: Construction Force Facilities PreDemo Survey Comments: Performed Verification survey with Good Radiological Practice Guidance of Construction Forces Non-Radiological Buildings, Trailers and Equipment Laydown area in 200W. Each area/building/conex entered was inspected for fugitive radioactive materials and biological vector intrusion. Structures have been abandoned and are in various states of decay and disrepair, presenting multiple hazards. Areas, buildings, conex's previously deemed "Unsafe for Entry" were premarked with Orange DOT painted X's. Areas denoted and itemized on maps were surveyed with the minimum of the following criterion: no less than 10% of surfaces scanned at 1-2"/sec, 1/4" away, focused on areas of greatest potential or that appeared suspect. Locations scanned that had indication of greater than background audible counts were static counted for no less than 5 seconds. Each building, conex, storage area entered was also smeared in no less than 4 locations by direction of RCS for possible smearable contamination.		

Contamination Measurements

		† Manually Calculated by RCT												
		Background cpm		Direct Gross cpm/100 cm²		Total dpm/100 cm²		Correction Factor		Removable				
No.	Description	βy	α	βy	α	βy	α	βy	α	Type	Gross (cpm)		dpm/100 cm²	
											βy	α	βy	α
1	Surfaces within 2306W	250	1.2	220	1	<5000	<500	10	10	Smear	240	1	<1000	<20
2	Surfaces within 2315W	240	1.2	260	0	<5000†	<500†	10	10	Smear	240	1	<1000†	<20†
3	Exterior storage areas around 2315W	220	1.2	220	0	<5000	<500	10	10	Smear	220	1	<1000	<20
4	Surfaces within 2308W	225	1.2	220	1	<5000	<500	10	10	Smear	225	0	<1000	<20
5	Surfaces within 2307W	230	1.2	230	1	<5000	<500	10	10	Smear	230	1	<1000	<20
6	Surfaces within Conex CC2W489 and adjacent areas	260	1.2	250	0	<5000	<500	10	10	Smear	260	1	<1000	<20

Date Submitted: 05/10/2014 14:48:00

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

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-014

FACILITY STATUS CHANGE FORM

** Electronically Approved - L-1400507 on 5/22/2014 **

CH2M HILL PLATEAU REMEDIATION COMPANY RADIOLOGICAL SURVEY REPORT (Submitted for Approval)										RSR No. L-1400507		Page 2 of 14			
Contamination Measurements (Continued)															
† Manually Calculated by RCT															
No.	Description	Background cpm		Direct Gross cpm/100 cm ²		Total dpm/100 cm ²		Correction Factor		Type	Removable				
		βy	α	βy	α	βy	α	βy	α		Gross (cpm)	dpm/100 cm ²			
											βy	α	βy	α	
7	Surfaces within Conex CC2W488 and adjacent 'Finishers Shop' areas	250	1.2	250	0	<5000	<500	10	10	Smear	250	1	<1000	<20	
8	Surfaces within 2304W and adjacent areas	240	1.2	240	0	<5000	<500	10	10	Smear	240	0	<1000	<20	
9	Surfaces around 2314W	265	1.2	260	0	<5000	<500	10	10	Smear	265	1	<1000	<20	
10	Surfaces within Gas Storage 2263W and adjacent areas	280	1.2	280	0	<5000	<500	10	10	Smear	280	0	<1000	<20	
11	Surfaces within Painters tent and adjacent areas	250	1.2	250	0	<5000	<500	10	10	Smear	250	1	<1000	<20	
12	Surfaces within Conex CC2W492 and adjacent areas	240	1.2	240	0	<5000	<500	10	10	Smear	240	0	<1000	<20	

Page 8 of 21

A-8006-877 (REV 1)

Date Submitted: 05/10/2014 14:48:00

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

Date Submitted: 5/28/2015	Area: 200 West Area	FACILITY STATUS CHANGE FORM
Control Number: DA-BOW-014		

** Electronically Approved—L-1400507 on 5/22/2014 **

CH2M HILL PLATEAU REMEDIATION COMPANY RADIOLOGICAL SURVEY REPORT (Submitted for Approval)	RSR No. L-1400507	Page 3 of 14
--	----------------------	--------------

Map/Sketch



Map Name: 200W construction trailer	Map Description: 2306W																						
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:10%;">Legend</td> <td style="width:15%;"># Direct Measurement</td> <td style="width:15%;">▲ Air Sample</td> <td style="width:15%;">⊕ Smear</td> <td style="width:15%;"># LAW</td> <td style="width:15%;">◆ Neutron Dose Rate</td> <td style="width:15%;">T# Transferability</td> <td style="width:15%;">F# Field</td> <td style="width:15%;">C# Contact</td> <td style="width:15%;"># Other Distance</td> <td style="width:15%;"># Other Measurement</td> </tr> <tr> <td colspan="6" style="text-align: center;">----- (designation inside) ----- Radiological Area Boundary</td> <td colspan="5" style="text-align: right;">Note: Dose Rates in mrem/hr unless otherwise noted.</td> </tr> </table>		Legend	# Direct Measurement	▲ Air Sample	⊕ Smear	# LAW	◆ Neutron Dose Rate	T# Transferability	F# Field	C# Contact	# Other Distance	# Other Measurement	----- (designation inside) ----- Radiological Area Boundary						Note: Dose Rates in mrem/hr unless otherwise noted.				
Legend	# Direct Measurement	▲ Air Sample	⊕ Smear	# LAW	◆ Neutron Dose Rate	T# Transferability	F# Field	C# Contact	# Other Distance	# Other Measurement													
----- (designation inside) ----- Radiological Area Boundary						Note: Dose Rates in mrem/hr unless otherwise noted.																	

Date Submitted: 05/10/2014 14:48:00

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

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-B0W-014

FACILITY STATUS CHANGE FORM

** Electronically Approved – L-1400507 on 5/22/2014 **:

CH2M HILL PLATEAU REMEDIATION COMPANY RADIOLOGICAL SURVEY REPORT (Submitted for Approval)	RSR No. L-1400507	Page 4 of 14
Map/Sketch		
Map Name: 200W Construction Trailer		Map Description: 2315W, adjacent pad
Legend	<input checked="" type="checkbox"/> Direct Measurement <input checked="" type="checkbox"/> Air Sample <input checked="" type="checkbox"/> Smear <input checked="" type="checkbox"/> LAW <input checked="" type="checkbox"/> Neutron Dose Rate <input checked="" type="checkbox"/> Transferability <input checked="" type="checkbox"/> Field <input checked="" type="checkbox"/> Contact <input checked="" type="checkbox"/> Other Distance <input checked="" type="checkbox"/> Other Measurement	----- (designation inside) ----- Radiological Area Boundary Note: Dose Rates in mrem/hr unless otherwise noted.

Date Submitted: 05/10/2014 14:48:00

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

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-014

FACILITY STATUS CHANGE FORM

** Electronically Approved - L-1400507 on 5/22/2014 **:

CH2M HILL PLATEAU REMEDIATION COMPANY RADIOLOGICAL SURVEY REPORT (Submitted for Approval)	RSR No. L-1400507	Page 5 of 14
Map/Sketch		
Map Name: 200W Construction Trailer		Map Description: 2308W, 2307W
Legend	<input type="checkbox"/> Direct Measurement	<input type="checkbox"/> Air Sample
	<input type="checkbox"/> Smear	<input type="checkbox"/> LAW
	<input type="checkbox"/> Neutron Dose Rate	<input type="checkbox"/> Transferability
	<input type="checkbox"/> Field	<input type="checkbox"/> Contact
	<input type="checkbox"/> Other Distance	<input type="checkbox"/> Other Measurement
----- (designation inside) ----- Radiological Area Boundary		Note: Dose Rates in mrem/hr unless otherwise noted.

Date Submitted: 05/10/2014 14:48:00

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

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-014

FACILITY STATUS CHANGE FORM

** Electronically Approved - L-1400507 on 5/22/2014 **

CH2M HILL PLATEAU REMEDIATION COMPANY RADIOLOGICAL SURVEY REPORT (Submitted for Approval)	RSR No. L-1400507	Page 6 of 14										
Map/Sketch												
Map Name: 200W Construction Conex		Map Description: CC2W489, Finishers Shop										
Legend <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 12.5%;"><input checked="" type="checkbox"/> Direct Measurement</td> <td style="width: 12.5%;"><input checked="" type="checkbox"/> Air Sample</td> <td style="width: 12.5%;"><input checked="" type="checkbox"/> Smear</td> <td style="width: 12.5%;"><input checked="" type="checkbox"/> LAW</td> <td style="width: 12.5%;"><input checked="" type="checkbox"/> Neutron Dose Rate</td> <td style="width: 12.5%;"><input checked="" type="checkbox"/> Transferability</td> <td style="width: 12.5%;"><input checked="" type="checkbox"/> Field</td> <td style="width: 12.5%;"><input checked="" type="checkbox"/> Contact</td> <td style="width: 12.5%;"><input checked="" type="checkbox"/> Other Distance</td> <td style="width: 12.5%;"><input checked="" type="checkbox"/> Other Measurement</td> </tr> </table>			<input checked="" type="checkbox"/> Direct Measurement	<input checked="" type="checkbox"/> Air Sample	<input checked="" type="checkbox"/> Smear	<input checked="" type="checkbox"/> LAW	<input checked="" type="checkbox"/> Neutron Dose Rate	<input checked="" type="checkbox"/> Transferability	<input checked="" type="checkbox"/> Field	<input checked="" type="checkbox"/> Contact	<input checked="" type="checkbox"/> Other Distance	<input checked="" type="checkbox"/> Other Measurement
<input checked="" type="checkbox"/> Direct Measurement	<input checked="" type="checkbox"/> Air Sample	<input checked="" type="checkbox"/> Smear	<input checked="" type="checkbox"/> LAW	<input checked="" type="checkbox"/> Neutron Dose Rate	<input checked="" type="checkbox"/> Transferability	<input checked="" type="checkbox"/> Field	<input checked="" type="checkbox"/> Contact	<input checked="" type="checkbox"/> Other Distance	<input checked="" type="checkbox"/> Other Measurement			
----- (designation inside) ----- Radiological Area Boundary												
Note: Dose Rates in mrem/hr unless otherwise noted.												
Date Submitted: 05/10/2014 14:48:00												

Facility Status Change Form	Date Submitted: 5/28/2015	Area: 200 West Area
Control Number: D4-BOW-014		

** Electronically Approved – L-1400507 on 5/22/2014 **

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

**RSR No.
L-1400507**

Page 7 of 14

Map/Sketch



Map Name: 200W Construction Trailer/Conex

Map Description: Outside storage areas

Legend	[#] Direct Measurement	▲ Air Sample	⊙ Smear	[#] LAW	◆ Neutron Dose Rate	T# Transferability	F# Field	C# Contact	D# Other Distance	⊙# Other Measurement
	----- (designation inside) ----- Radiological Area Boundary						Note: Dose Rates in mrem/hr unless otherwise noted.			

Date Submitted: 05/10/2014 14:48:00

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

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-014

FACILITY STATUS CHANGE FORM

Map/Sketch



Map Name: 200W Construction Trailer/conex

Map Description: Backside outside storage areas

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 14:48:00

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

** Electronically Approved -- L-1400507 on 5/22/2014 **:

CH2M HILL PLATEAU REMEDIATION COMPANY RADIOLOGICAL SURVEY REPORT (Submitted for Approval)	RSR No. L-1400507	Page 9 of 14																						
Map/Sketch																								
Map Name: 200W Construction Trailer		Map Description: 2304W																						
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:10%;">Legend</td> <td style="width:15%;"> <input type="checkbox"/> Direct Measurement </td> <td style="width:15%;"> <input type="checkbox"/> Air Sample </td> <td style="width:15%;"> <input type="checkbox"/> Smear </td> <td style="width:15%;"> <input type="checkbox"/> LAW </td> <td style="width:15%;"> <input type="checkbox"/> Neutron Dose Rate </td> <td style="width:15%;"> <input type="checkbox"/> Transferability </td> <td style="width:15%;"> <input type="checkbox"/> Field </td> <td style="width:15%;"> <input type="checkbox"/> Contact </td> <td style="width:15%;"> <input type="checkbox"/> Other Distance </td> <td style="width:15%;"> <input type="checkbox"/> Other Measurement </td> </tr> <tr> <td colspan="10" style="text-align: center;"> ----- (designation inside) ----- Radiological Area Boundary </td> <td style="text-align: right;"> Note: Dose Rates in mrem/hr unless otherwise noted. </td> </tr> </table>			Legend	<input type="checkbox"/> Direct Measurement	<input type="checkbox"/> Air Sample	<input type="checkbox"/> Smear	<input type="checkbox"/> LAW	<input type="checkbox"/> Neutron Dose Rate	<input type="checkbox"/> Transferability	<input type="checkbox"/> Field	<input type="checkbox"/> Contact	<input type="checkbox"/> Other Distance	<input type="checkbox"/> Other Measurement	----- (designation inside) ----- Radiological Area Boundary										Note: Dose Rates in mrem/hr unless otherwise noted.
Legend	<input type="checkbox"/> Direct Measurement	<input type="checkbox"/> Air Sample	<input type="checkbox"/> Smear	<input type="checkbox"/> LAW	<input type="checkbox"/> Neutron Dose Rate	<input type="checkbox"/> Transferability	<input type="checkbox"/> Field	<input type="checkbox"/> Contact	<input type="checkbox"/> Other Distance	<input type="checkbox"/> Other Measurement														
----- (designation inside) ----- Radiological Area Boundary										Note: Dose Rates in mrem/hr unless otherwise noted.														

Date Submitted: 05/10/2014 14:48:00

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

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-014

FACILITY STATUS CHANGE FORM

** Electronically Approved - L-1400507 on 5/22/2014 **

CH2M HILL PLATEAU REMEDIATION COMPANY RADIOLOGICAL SURVEY REPORT (Submitted for Approval)	RSR No. L-1400507	Page 10 of 14
--	----------------------	---------------

Map/Sketch



Map Name: 200W Construction Trailer	Map Description: Outside 2304W, outside storage, and buildings not surveyed																						
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:10%;">Legend</td> <td style="width:10%;">[M] Direct Measurement</td> <td style="width:10%;">[A] Air Sample</td> <td style="width:10%;">[S] Smear</td> <td style="width:10%;">[L] LAW</td> <td style="width:10%;">[N] Neutron Dose Rate</td> <td style="width:10%;">[T] Transferability</td> <td style="width:10%;">[F] Field</td> <td style="width:10%;">[C] Contact</td> <td style="width:10%;">[D] Other Distance</td> <td style="width:10%;">[O] Other Measurement</td> </tr> <tr> <td colspan="11" style="text-align: center;">----- (designation inside) ----- Radiological Area Boundary</td> </tr> </table>		Legend	[M] 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										
Legend	[M] 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 14:48:00

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

FACILITY STATUS CHANGE FORM

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-014

CH2M HILL PLATEAU REMEDIATION COMPANY RADIOLOGICAL SURVEY REPORT (Submitted for Approval)	RSR No. L-1400507	Page 11 of 14																						
Map/Sketch																								
Map Name: 200W Construction Storage areas		Map Description: 2263W and Outside storage areas																						
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%;">Legend</td> <td style="width: 15%;"> <input type="checkbox"/> Direct Measurement </td> <td style="width: 15%;"> <input type="checkbox"/> Air Sample </td> <td style="width: 15%;"> <input type="checkbox"/> Smear </td> <td style="width: 15%;"> <input type="checkbox"/> LAW </td> <td style="width: 15%;"> <input type="checkbox"/> Neutron Dose Rate </td> <td style="width: 15%;"> <input type="checkbox"/> Transferability </td> <td style="width: 15%;"> <input type="checkbox"/> Field </td> <td style="width: 15%;"> <input type="checkbox"/> Contact </td> <td style="width: 15%;"> <input type="checkbox"/> Other Distance </td> <td style="width: 15%;"> <input type="checkbox"/> Other Measurement </td> </tr> <tr> <td colspan="10" style="text-align: center;"> ----- (designation inside) ----- Radiological Area Boundary </td> <td style="text-align: right;"> Note: Dose Rates in mrem/hr unless otherwise noted. </td> </tr> </table>			Legend	<input type="checkbox"/> Direct Measurement	<input type="checkbox"/> Air Sample	<input type="checkbox"/> Smear	<input type="checkbox"/> LAW	<input type="checkbox"/> Neutron Dose Rate	<input type="checkbox"/> Transferability	<input type="checkbox"/> Field	<input type="checkbox"/> Contact	<input type="checkbox"/> Other Distance	<input type="checkbox"/> Other Measurement	----- (designation inside) ----- Radiological Area Boundary										Note: Dose Rates in mrem/hr unless otherwise noted.
Legend	<input type="checkbox"/> Direct Measurement	<input type="checkbox"/> Air Sample	<input type="checkbox"/> Smear	<input type="checkbox"/> LAW	<input type="checkbox"/> Neutron Dose Rate	<input type="checkbox"/> Transferability	<input type="checkbox"/> Field	<input type="checkbox"/> Contact	<input type="checkbox"/> Other Distance	<input type="checkbox"/> Other Measurement														
----- (designation inside) ----- Radiological Area Boundary										Note: Dose Rates in mrem/hr unless otherwise noted.														

Date Submitted: 05/10/2014 14:48:00

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

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-014

FACILITY STATUS CHANGE FORM

** Electronically Approved – L-1400507 on 5/22/2014 **:

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

RSR No.
 L-1400507

Page 12 of 14

Map/Sketch



Map Name: 200W Construction Trailer/work areas

Map Description: Outside storage pads and tented prep shop

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 14:48:00

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

FACILITY STATUS CHANGE FORM

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-014

** Electronically Approved – L-1400507 on 5/22/2014 **:

CH2M HILL PLATEAU REMEDIATION COMPANY RADIOLOGICAL SURVEY REPORT (Submitted for Approval) —	RSR No. L-1400507	Page 13 of 14
Map/Sketch		
Map Name: Construction Forces Laydown area		Map Description: conex CC2W492
Legend	<input checked="" type="checkbox"/> Direct Measurement <input checked="" type="checkbox"/> Air Sample <input checked="" type="checkbox"/> Smear <input checked="" type="checkbox"/> LAW <input checked="" type="checkbox"/> Neutron Dose Rate <input checked="" type="checkbox"/> Transferability <input checked="" type="checkbox"/> Field <input checked="" type="checkbox"/> Contact <input checked="" type="checkbox"/> Other Distance <input checked="" type="checkbox"/> Other Measurement	
----- (designation inside) -----		----- Radiological Area Boundary -----
Date Submitted: 05/10/2014 14:48:00		Note: Dose Rates in mrem/hr unless otherwise noted.

Date Submitted: 5/28/2015	Area: 200 West Area	Control Number: D4-BOW-01A
FACILITY STATUS CHANGE FORM		

** Electronically Approved – L-1400507 on 5/22/2014 **

CH2M HILL PLATEAU REMEDIATION COMPANY RADIOLOGICAL SURVEY REPORT (Submitted for Approval)		RSR No. L-1400507	Page 14 of 14
Instruments			
Instrument Type	Bar Code No.	Probe Bar Code No.	Efficiency (Used)
LUDLUM 2360	SCLL8-0422	DTLLP-0530	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-155 are ≤ 10 times the b-g contamination levels shown above (see CHPRC-00073, Table 2-2).			
History			
2014-05-10 14:49:42 - Myers, Steven - Submitted			
2014-05-21 05:49:51 - Myers, Steven - Submitted: unknown submission error. resubmitted.			

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-014

FACILITY STATUS CHANGE FORM

FACILITY STATUS CHANGE FORM

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-014

*** Electronically Approved – L-1400507 on 5/22/2014 **:*

User: MYERS, STEVEN (H7301859)
Title: Contributor
Date: Wednesday, May 21, 2014, 5:49 AM Pacific Standard Time
=====

User: KLEKAR, SCOTT (H0099867)
Title: Contributor
Date: Thursday, May 22, 2014, 7:23 AM Pacific Standard Time
=====

User: SIMS, MARK (H0003931)
Title: Reviewer
Date: Thursday, May 22, 2014, 7:55 AM Pacific Standard Time
=====

ATTACHMENT 7

**FACILITY STATUS CHANGE FORMS FOR 2306-W
D4-BOW-015**

**Consisting of 21 pages,
including this cover page**

FACILITY STATUS CHANGE FORM

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-015

Originator: Brett M. Barnes

Facility ID: 2306-W

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.

2306-W was a double-wide skid mounted structure that served as the electricians shop. This facility was used by Engineering, Project, and Construction forces.

Demolition of 2306-W was performed during September 2014. Waste associated with this demolition was characterized under Waste Profile Number WP-PRCIF003, Revision 0, and disposed at the Environmental Restoration Disposal Facility (ERDF).

The following actions were specifically implemented for 2306-W:

- 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.
- Friable asbestos was removed using appropriate methods.
- 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 2306-W structure is estimated to weigh approximately 70 tons.
- 2306-W contained friable asbestos, which was removed using appropriate containment methods. All friable asbestos was shipped to ERDF for disposal. This structure contained no nonfriable asbestos.
- Asbestos sampling of the structure indicated that no nonfriable asbestos was present.
- 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*, as amended.
- 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).

FACILITY STATUS CHANGE FORM

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-015

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 2306-W 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 2306-W 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 \$79,505.

Section 4: List of Attachments

- Attachment A: Project Photographs of 2306-W (Pre-Demolition, During Demolition, and Post-Demolition)
- Attachment B: Radiological Survey Report

Wade Woolery
DOE-RL (Print)

[Signature]
Signature

Feb 16, 2016
Date

FACILITY STATUS CHANGE FORM

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-015

Attachment A



2306-W Pre-Demolition

FACILITY STATUS CHANGE FORM

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-015



2306-W During Demolition

FACILITY STATUS CHANGE FORM

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-015



2306-W Post-Demolition

FACILITY STATUS CHANGE FORM

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-015

Attachment B

Radiological Survey Report

** Electronically Approved - L-1400507 on 5/22/2014 **

CH2M HILL PLATEAU REMEDIATION COMPANY RADIOLOGICAL SURVEY REPORT (Submitted for Approval)			RSR No. L-1400507	Page 1 of 14
Date 5/9/2014	Start/Stop Time 0700 / 1500	Area/Location 200W / Outside Areas / Construction Forces Yard / Non-Radiological Area		RWP/Rev. N/A

<p>Purpose of Survey:</p> <p><input type="checkbox"/> Material Clearance Number: N/A Cleared to: N/A</p> <p><input type="checkbox"/> Ram Shipment: N/A</p> <p><input type="checkbox"/> Required Task: N/A</p> <p><input type="checkbox"/> Job Coverage: N/A</p> <p><input type="checkbox"/> Verification survey $\alpha = <D$ $<D =$ No increase in audible count rate</p> <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:15%;">N/A</td> <td style="width:15%;">Inches/Sec.</td> <td style="width:15%;">N/A</td> <td style="width:15%;">Inches Away</td> </tr> <tr> <td>N/A</td> <td>Count Time (Sec.)</td> <td>N/A</td> <td>% Surveyed</td> </tr> <tr> <td>N/A</td> <td># of Static Counts</td> <td>N/A</td> <td>Square Feet</td> </tr> </table> <p><input type="checkbox"/> Verification survey $\beta\gamma = <D$ $<D =$ No increase in audible count rate</p> <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:15%;">N/A</td> <td style="width:15%;">Inches/Sec.</td> <td style="width:15%;">N/A</td> <td style="width:15%;">Inches Away</td> </tr> <tr> <td>N/A</td> <td>Count Time (Sec.)</td> <td>N/A</td> <td>% Surveyed</td> </tr> <tr> <td>N/A</td> <td># of Static Counts</td> <td>N/A</td> <td>Square Feet</td> </tr> </table> <p><input checked="" type="checkbox"/> Other: Verification</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>Construction Force Facilities PreDemo Survey</p> <p>Comments: Performed Verification survey with Good Radiological Practice Guidance of Construction Forces Non-Radiological Buildings, Trailers and Equipment Laydown area in 200W.</p> <p>Each area/building/conex entered was inspected for fugitive radioactive materials and biological vector intrusion.</p> <p>Structures have been abandoned and are in various states of decay and disrepair, presenting multiple hazards.</p> <p>Areas, buildings, conex's previously deemed "Unsafe for Entry" were premarked with Orange DOT painted X's.</p> <p>Areas denoted and itemized on maps were surveyed with the minimum of the following criterion: no less than 10% of surfaces scanned at 1-2"/sec, 1/4" away, focused on areas of greatest potential or that appeared suspect.</p> <p>Locations scanned that had indication of greater than background audible counts were static counted for no less than 5 seconds.</p> <p>Each building, conex, storage area entered was also smeared in no less than 4 locations by direction of RCS for possible smearable contamination.</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																						

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			
		$\beta\gamma$	α	$\beta\gamma$	α	$\beta\gamma$	α	$\beta\gamma$	α		Gross (cpm)	dpm/100 cm ²		
											$\beta\gamma$	α	$\beta\gamma$	α
1	Surfaces within 2306W	250	1.2	220	1	<5000	<500	10	10	Smear	240	1	<1000	<20
2	Surfaces within 2315W	240	1.2	260	0	<5000†	<500†	10	10	Smear	240	1	<1000†	<20†
3	Exterior storage areas around 2315W	220	1.2	220	0	<5000	<500	10	10	Smear	220	1	<1000	<20
4	Surfaces within 2308W	225	1.2	220	1	<5000	<500	10	10	Smear	225	0	<1000	<20
5	Surfaces within 2307W	230	1.2	230	1	<5000	<500	10	10	Smear	230	1	<1000	<20
6	Surfaces within Conex CC2W489 and adjacent areas	260	1.2	250	0	<5000	<500	10	10	Smear	260	1	<1000	<20

Date Submitted: 05/10/2014 14:48:00

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

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-015

FACILITY STATUS CHANGE FORM

** Electronically Approved – L-1400507 on 5/22/2014 **

CH2M HILL PLATEAU REMEDIATION COMPANY RADIOLOGICAL SURVEY REPORT (Submitted for Approval)										RSR No. L-1400507		Page 2 of 14			
Contamination Measurements (Continued)															
† Manually Calculated by RCT															
No.	Description	Background cpm		Direct Gross cpm/100 cm ²		Total dpm/100 cm ²		Correction Factor		Type	Removable				
		βy	α	βy	α	βy	α	βy	α		Gross (cpm)		dpm/100 cm ²		
											βy	α	βy	α	
7	Surfaces within Conex CC2W488 and adjacent 'Finishers Shop' areas	250	1.2	250	0	<5000	<500	10	10	Smear	250	1	<1000	<20	
8	Surfaces within 2304W and adjacent areas	240	1.2	240	0	<5000	<500	10	10	Smear	240	0	<1000	<20	
9	Surfaces around 2314W	265	1.2	260	0	<5000	<500	10	10	Smear	265	1	<1000	<20	
10	Surfaces within Gas Storage 2263W and adjacent areas	280	1.2	280	0	<5000	<500	10	10	Smear	280	0	<1000	<20	
11	Surfaces within Painters tent and adjacent areas	250	1.2	250	0	<5000	<500	10	10	Smear	250	1	<1000	<20	
12	Surfaces within Conex CC2W492 and adjacent areas	240	1.2	240	0	<5000	<500	10	10	Smear	240	0	<1000	<20	

Page 8 of 20

A-6006-677 (REV 1)

Date Submitted: 05/10/2014 14:48:00

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

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-SOW-015

FACILITY STATUS CHANGE FORM

** Electronically Approved – L-1400507 on 5/22/2014 **:

CH2M HILL PLATEAU REMEDIATION COMPANY RADIOLOGICAL SURVEY REPORT (Submitted for Approval)	RSR No. L-1400507	Page 3 of 14
Map/Sketch		
Map Name: 200W construction trailer		Map Description: 2306W
Legend	[M] Direct Measurement [A] Air Sample [S] Smear [L] LAW [N] Neutron Dose Rate [T] Transferability [F] Field [C] Contact [D] Other Distance [M] Other Measurement	----- (designation inside) ----- Radiological Area Boundary Note: Dose Rates in mrem/yr unless otherwise noted.

Date Submitted: 05/10/2014 14:48:00

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

Date Submitted: 5/28/2015 Area: 200 West Area Control Number: D4-BOW-015

FACILITY STATUS CHANGE FORM

** Electronically Approved – L-1400507 on 5/22/2014 **:

CH2M HILL PLATEAU REMEDIATION COMPANY RADIOLOGICAL SURVEY REPORT (Submitted for Approval)	RSR No. L-1400507	Page 4 of 14
Map/Sketch		
Map Name: 200W Construction Trailer		Map Description: 2315W, adjacent pad
Legend	[D] Direct Measurement [A] Air Sample [S] Smear [L] LAW [N] Neutron Dose Rate [T] Transferability [F] Field [C] Contact [D] Other Distance [M] Other Measurement	----- (designation inside) ----- Radiological Area Boundary
Date Submitted: 05/10/2014 14:48:00		Note: Dose Rates in mrem/hr unless otherwise noted.

Date Submitted: 5/28/2015	Area: 200 West Area	Control Number: D4-B0W-015
FACILITY STATUS CHANGE FORM		

** Electronically Approved—L-1400507 on 5/22/2014 **:

CH2M HILL PLATEAU REMEDIATION COMPANY RADIOLOGICAL SURVEY REPORT (Submitted for Approval)	RSR No. L-1400507	Page 5 of 14										
Map/Sketch												
Map Name: 200W Construction Trailer		Map Description: 2308W, 2307W										
Legend	<table border="0" style="width:100%;"> <tr> <td># Direct Measurement</td> <td>▲ Air Sample</td> <td>⊕ Smear</td> <td>## LAW</td> <td>◆ Neutron Dose Rate</td> <td>T# Transferability</td> <td>F# Field</td> <td>C# Contact</td> <td># Other Distance</td> <td>⊙ Other Measurement</td> </tr> </table>	# Direct Measurement	▲ Air Sample	⊕ Smear	## LAW	◆ Neutron Dose Rate	T# Transferability	F# Field	C# Contact	# Other Distance	⊙ Other Measurement	
# Direct Measurement	▲ Air Sample	⊕ Smear	## LAW	◆ Neutron Dose Rate	T# Transferability	F# Field	C# Contact	# Other Distance	⊙ Other Measurement			
----- (designation inside) -----		----- Radiological Area Boundary -----										
		Note: Dose Rates in mrem/hr unless otherwise noted.										

Date Submitted: 05/10/2014 14:48:00

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

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-015

FACILITY STATUS CHANGE FORM

** Electronically Approved – L-1400507 on 5/22/2014 **

CH2M HILL PLATEAU REMEDIATION COMPANY RADIOLOGICAL SURVEY REPORT (Submitted for Approval)	RSR No. L-1400507	Page 6 of 14
--	------------------------------	--------------

Map/Sketch



Map Name: 200W Construction Conex	Map Description: CC2W489, Finishers Shop																							
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:10%;">Legend</td> <td style="width:15%;"># Direct Measurement</td> <td style="width:15%;">▲ Air Sample</td> <td style="width:15%;">⊕ Smear</td> <td style="width:15%;"># LAW</td> <td style="width:15%;">◆ Neutron Dose Rate</td> <td style="width:15%;">T# Transferability</td> <td style="width:15%;">F# Field</td> <td style="width:15%;">C# Contact</td> <td style="width:15%;"># Other Distance</td> <td style="width:15%;">Other Measurement</td> </tr> <tr> <td colspan="8" style="text-align: center;">----- (designation inside) ----- Radiological Area Boundary</td> <td colspan="4" style="text-align: right;">Note: Dose Rates in mrem/hr unless otherwise noted.</td> </tr> </table>		Legend	# Direct Measurement	▲ Air Sample	⊕ Smear	# LAW	◆ Neutron Dose Rate	T# Transferability	F# Field	C# Contact	# Other Distance	Other Measurement	----- (designation inside) ----- Radiological Area Boundary								Note: Dose Rates in mrem/hr unless otherwise noted.			
Legend	# Direct Measurement	▲ Air Sample	⊕ Smear	# LAW	◆ Neutron Dose Rate	T# Transferability	F# Field	C# Contact	# Other Distance	Other Measurement														
----- (designation inside) ----- Radiological Area Boundary								Note: Dose Rates in mrem/hr unless otherwise noted.																

Date Submitted: 05/10/2014 14:48:00

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

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-015

FACILITY STATUS CHANGE FORM

** Electronically Approved - L-1400507 on 5/22/2014 **

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

RSR No.
L-1400507

Page 7 of 14

Map/Sketch



Map Name: 200W Construction Trailer/Conex

Map Description: Outside storage areas

Legend

- # Direct Measurement
- ▲ Air Sample
- # Smear
- # LAW
- ◆ Neutron Dose Rate
- T Transferability
- F Field
- C Contact
- D Other Distance
- Other Measurement

----- (designation inside) ----- Radiological Area Boundary

Note: Dose Rates in mrem/hr unless otherwise noted.

Date Submitted: 05/10/2014 14:48:00

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

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: DA-BOW-015

FACILITY STATUS CHANGE FORM

** Electronically Approved – L-1400507 on 5/22/2014 **

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

RSR No.
 L-1400507

Page 8 of 14

Map/Sketch



Map Name: 200W Construction Trailer/conex

Map Description: Backside outside storage areas

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 14:48:00

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

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-015

FACILITY STATUS CHANGE FORM

** Electronically Approved – L-1400507 on 5/22/2014 **

CH2M HILL PLATEAU REMEDIATION COMPANY RADIOLOGICAL SURVEY REPORT (Submitted for Approval)		RSR No. L-1400507	Page 9 of 14
Map/Sketch			
Map Name: 200W Construction Trailer		Map Description: 2304W	
Legend	Direct Measurement	Air Sample	Smear
	LAW	Neutron Dose Rate	Transferability
	Field	Contact	Other Distance
	(designation inside) ----- Radiological Area Boundary		Other Measurement
			Note: Dose Rates in mrem/hr unless otherwise noted.

Date Submitted: 05/10/2014 14:48:00

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

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-015

FACILITY STATUS CHANGE FORM

** Electronically Approved – L-1400507 on 5/22/2014 **:

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

RSR No.
 L-1400507

Page 10 of 14

Map/Sketch



Map Name: 200W Construction Trailer

Map Description: Outside 2304W, outside storage, and buildings not surveyed

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

Date Submitted: 05/10/2014 14:48:00

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

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: DA-BOW-015

FACILITY STATUS CHANGE FORM

** Electronically Approved – L-1400507 on 5/22/2014 **

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

**RSR No.
L-1400507**

Page 11 of 14

Map/Sketch



Map Name: 200W Construction Storage areas

Map Description: 2263W and Outside storage areas

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 14:48:00

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

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-015

FACILITY STATUS CHANGE FORM

** Electronically Approved – L-1400507 on 5/22/2014 **:

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

**RSR No.
L-1400507**

Page 12 of 14

Map/Sketch



Map Name: 200W Construction Trailer/work areas

Map Description: Outside storage pads and tented prep shop

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 14:48:00

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

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-015

FACILITY STATUS CHANGE FORM

** Electronically Approved - L-1400507 on 5/22/2014 **

CH2M HILL PLATEAU REMEDIATION COMPANY RADIOLOGICAL SURVEY REPORT (Submitted for Approval)		RSR No. L-1400507	Page 14 of 14
Instruments			
Instrument Type	Bar Code No.	Probe Bar Code No.	Efficiency (Used)
LUDLUM 2360	SCLL8-0422	DTLLP-0530	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-155 are ≤ 10 times the b-g contamination levels shown above (see CHPRC-00073, Table 2-2).			
History			
2014-05-10 14:49:42 - Myers, Steven - Submitted			
2014-05-21 05:49:51 - Myers, Steven - Submitted: unknown submission error. resubmitted.			

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-015

FACILITY STATUS CHANGE FORM

Date Submitted: 05/10/2014 14:48:00

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

FACILITY STATUS CHANGE FORM

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-015

*** Electronically Approved – L-1400507 on 5/22/2014 **:*

User: MYERS, STEVEN (H7301859)

Title: Contributor

Date: Wednesday, May 21, 2014, 5:49 AM Pacific Standard Time

=====

User: KLEKAR, SCOTT (H0099867)

Title: Contributor

Date: Thursday, May 22, 2014, 7:23 AM Pacific Standard Time

=====

User: SIMS, MARK (H0003931)

Title: Reviewer

Date: Thursday, May 22, 2014, 7:55 AM Pacific Standard Time

=====

ATTACHMENT 8

**FACILITY STATUS CHANGE FORMS FOR 2307-W
D4-BOW-016**

**Consisting of 22 pages,
including this cover page**

FACILITY STATUS CHANGE FORM

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-016

Originator: Brett M. Barnes

Facility ID: 2307-W

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.

2307-W was a corrugated sheet metal covered structure with access doors on the south and north ends that supported 90-day dangerous waste storage and also served as a pipefitter shop. This facility was used by Engineering, Project, and Construction forces.

Demolition of 2307-W was performed during September 2014. Waste associated with this demolition was characterized under Waste Profile Number WP-PRCIF003, Revision 1, and disposed at the Environmental Restoration Disposal Facility.

The following actions were specifically implemented for 2307-W:

- 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 2307-W structure is estimated to weigh approximately 70 tons.
- Asbestos sampling of the structure indicated that no nonfriable asbestos was present.
- The structure was demolished to grade using heavy equipment (e.g., excavators, track hoes, etc.). 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*, as amended.
- 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).

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 2307-W will not be a documented or potential waste site. Facility demolished, remaining concrete slab left in place. Visual inspection of the underlying soil

FACILITY STATUS CHANGE FORM

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-016

confirmed no visible staining from potential hazardous substances. Post-demolition radiological surveys of the underlying soils 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 2307-W 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 \$79,896.

Section 4: List of Attachments

Attachment A: Project Photographs of 2307-W (Pre-Demolition, During Demolition, and Post-Demolition)

Attachment B: Radiological Survey Report

Wade Woolery
DOE-RL (Print)

Wade Woolery
Signature

Feb 16, 2016
Date

FACILITY STATUS CHANGE FORM

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-016

Attachment A



2307-W Pre-Demolition

FACILITY STATUS CHANGE FORM

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-016



2307-W During Demolition

FACILITY STATUS CHANGE FORM

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-016



2307-W Post-Demolition

FACILITY STATUS CHANGE FORM		
Date Submitted: 5/28/2015	Area: 200 West Area	Control Number: D4-BOW-016

Attachment B

Radiological Survey Report

CH2M HILL PLATEAU REMEDIATION COMPANY RADIOLOGICAL SURVEY REPORT (Submitted for Approval)			RSR No. L-1400507	Page 1 of 14
--	--	--	----------------------	--------------

Date 5/9/2014	Start/Stop Time 0700 / 1500	Area/Location 200W / Outside Area / Construction Forces Yard / Non-Radiological Area	RWPR Rev. N/A
------------------	--------------------------------	---	------------------

Purpose of Survey. <input type="checkbox"/> Material Clearance Number: N/A Cleared to: N/A Rem Shipment: N/A <input type="checkbox"/> Required Task: N/A <input type="checkbox"/> Job Coverage: N/A <input type="checkbox"/> Verification survey a = <D <D=No increase in audible count rate <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>N/A</td><td>Inches/Sec</td><td>N/A</td><td>Inches Away</td></tr> <tr> <td>N/A</td><td>Count Time (Sec)</td><td>N/A</td><td>% Surveyed</td></tr> <tr> <td>N/A</td><td># of Static Counts</td><td>N/A</td><td>Square Feet</td></tr> </table> <input type="checkbox"/> Verification survey By = <D <D=No increase in audible count rate <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>N/A</td><td>Inches/Sec</td><td>N/A</td><td>Inches Away</td></tr> <tr> <td>N/A</td><td>Count Time (Sec)</td><td>N/A</td><td>% Surveyed</td></tr> <tr> <td>N/A</td><td># of Static Counts</td><td>N/A</td><td>Square Feet</td></tr> </table> <input checked="" type="checkbox"/> Other: Verification	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	Description of Work / Comments. Construction Force Facilities PreDemo Survey Comments: Performed Verification survey with Good Radiological Practice Guidance of Construction Forces Non-Radiological Buildings, Trailers and Equipment Laydown area in 200W. Each area/building/conex entered was inspected for fugitive radioactive materials and biological vector intrusion. Structures have been abandoned and are in various states of decay and disrepair, presenting multiple hazards. Areas, buildings, conex's previously deemed "Unsafe for Entry" were premarked with Orange DGT painted X's. Areas denoted and itemized on maps were surveyed with the minimum of the following criterion: no less than 10% of surfaces scanned at 1-2"/sec, 1/4" away. Focused on areas of greatest potential or that appeared suspect. Locations scanned that had indication of greater than background audible counts were static counted for no less than 5 seconds. Each building, conex, storage area entered was also cleared in no less than 4 locations by direction of RCS for possible smearable contamination.
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																						

Contamination Measurements

No	Description	† Manually Calculated by RGT												
		Background cpm		Direct Gross cpm/100 cm²		Total dpm/100 cm²		Correction Factor		Removable				
		By	a	By	a	By	a	By	a	Type	By	a	By	a
1	Surfaces within 2306W	250	1.2	220	1	<5000	<500	10	10	Smear	240	1	<1000	<20
2	Surfaces within 2315W	240	1.2	260	0	<5000†	<500†	10	10	Smear	240	1	<1000†	<20†
3	Exterior storage areas around 2315W	220	1.2	220	0	<5000	<500	10	10	Smear	220	1	<1000	<20
4	Surfaces within 2306W	225	1.2	220	1	<5000	<500	10	10	Smear	225	0	<1000	<20
5	Surfaces within 2307W	230	1.2	230	1	<5000	<500	10	10	Smear	230	1	<1000	<20
6	Surfaces within Conex 000W489 and adjacent areas	260	1.2	250	0	<5000	<500	10	10	Smear	260	1	<1000	<20

Date Submitted: 05/10/2014 14:48:00

A-0014-651-SS (Rev. 4)

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-016

FACILITY STATUS CHANGE FORM

CH2M HILL PLATEAU REMEDIATION COMPANY RADIOLOGICAL SURVEY REPORT (Submitted for Approval)										RSR No. L-1400507		Page 2 of 14			
Contamination Measurements (Continued)															
No.	Description	↑ Manually Calculated by RCT													
		Background cpm		Direct Gross cpm/100 cm ²		Total cpm/100 cm ²		Correction Factor		Type	Removable				
		B _y	a	B _y	a	B _y	a	B _y	a		Gross cpm	cpm/100 cm ²			
7	Surfaces within Conex 002W488 and adjacent 'Finishers Shop' areas	250	1.2	250	0	<5000	<500	10	10	Smear	250	1	<1000	<20	
8	Surfaces within 2304W and adjacent areas	240	1.2	240	0	<5000	<500	10	10	Smear	240	0	<1000	<20	
9	Surfaces around 2314W	265	1.2	260	0	<5000	<500	10	10	Smear	265	1	<1000	<20	
10	Surfaces within Gas Storage 2263W and adjacent areas	280	1.2	280	0	<5000	<500	10	10	Smear	280	0	<1000	<20	
11	Surfaces within Painters tent and adjacent areas	250	1.2	250	0	<5000	<500	10	10	Smear	250	1	<1000	<20	
12	Surfaces within Conex 002W492 and adjacent areas	240	1.2	240	0	<5000	<500	10	10	Smear	240	0	<1000	<20	

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-016

FACILITY STATUS CHANGE FORM

** Electronically Approved - L-1400507 on 5/22/2014 **

CH2M HILL PLATEAU REMEDIATION COMPANY RADIOLOGICAL SURVEY REPORT (Submitted for Approval)	RSR No. L-1400507	Page 3 of 14
--	------------------------------	---------------------

Map sketch



Map Name: 200W construction trailer	Map Description: 2306W									
Legend	<input type="checkbox"/> Direct Measurement	<input type="checkbox"/> Air Sample	<input type="checkbox"/> Smear	<input type="checkbox"/> LAW	<input type="checkbox"/> Neutron Dose Rate	<input type="checkbox"/> Transferability	<input type="checkbox"/> Field	<input type="checkbox"/> Contact	<input type="checkbox"/> Other Balance	<input type="checkbox"/> Other Measurement
----- (designated inside) ----- Radionuclide Area Boundary						Note: Dose Rates in mrem/hr unless otherwise noted.				

Date Submitted: 05/10/2014 14:48:00

A-6004-03-SS (Rev 4)

Date Submitted: 5/28/2015	Area: 200 West Area	Control Number: D4-BOW-016
FACILITY STATUS CHANGE FORM		

CH2M HILL PLATEAU REMEDIATION COMPANY RADIOLOGICAL SURVEY REPORT (Submitted for Approval)	RSR No. L-1400507	Page 4 of 14
--	----------------------	--------------

Map/Sketch



Map Name: 200W Construction Trailer	Map Description: 2315W, adjacent pad																						
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:10%;">Legend</td> <td style="width:15%;">[#] Direct Measurement</td> <td style="width:15%;">▲ Air Sample</td> <td style="width:15%;">⊕ Smear</td> <td style="width:15%;">L# LAW</td> <td style="width:15%;">◆ Neutron Dose Rate</td> <td style="width:15%;">T# Transferability</td> <td style="width:15%;">F# Field</td> <td style="width:15%;">C# Contact</td> <td style="width:15%;">D# Other Distance</td> <td style="width:15%;">M# Other Measurement</td> </tr> <tr> <td></td> <td colspan="9" style="text-align: center;">----- (designation inside) ----- Radiological Area Boundary</td> <td style="text-align: right;">Note: Dose Rates in mrem/hr unless otherwise noted.</td> </tr> </table>		Legend	[#] Direct Measurement	▲ Air Sample	⊕ Smear	L# LAW	◆ Neutron Dose Rate	T# Transferability	F# Field	C# Contact	D# Other Distance	M# Other Measurement		----- (designation inside) ----- Radiological Area Boundary									Note: Dose Rates in mrem/hr unless otherwise noted.
Legend	[#] Direct Measurement	▲ Air Sample	⊕ Smear	L# LAW	◆ Neutron Dose Rate	T# Transferability	F# Field	C# Contact	D# Other Distance	M# Other Measurement													
	----- (designation inside) ----- Radiological Area Boundary									Note: Dose Rates in mrem/hr unless otherwise noted.													

Date Submitted: 05/16/2014 14:48:00

A-6004-603-SS (Rev. 4)

Date Submitted: 5/28/2015	Area: 200 West Area	FACILITY STATUS CHANGE FORM
Control Number: D4-BOW-016		

CH2M HILL PLATEAU REMEDIATION COMPANY RADIOLOGICAL SURVEY REPORT (Submitted for Approval)	RSR No. L-1400507	Page 5 of 14
--	----------------------	--------------

Map/Sketch



Map Name: 200W Construction Trailer	Map Description: 2308W, 2307W																						
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:10%;">Legend</td> <td style="width:10%;"> <input type="checkbox"/> Direct Measurement </td> <td style="width:10%;"> <input type="checkbox"/> Air Sample </td> <td style="width:10%;"> <input type="checkbox"/> Smear </td> <td style="width:10%;"> <input type="checkbox"/> LAW </td> <td style="width:10%;"> <input type="checkbox"/> Neutron Dose Rate </td> <td style="width:10%;"> <input type="checkbox"/> Transferability </td> <td style="width:10%;"> <input type="checkbox"/> Field </td> <td style="width:10%;"> <input type="checkbox"/> Contact </td> <td style="width:10%;"> <input type="checkbox"/> Other Distance </td> <td style="width:10%;"> <input type="checkbox"/> Other Measurement </td> </tr> <tr> <td colspan="10" style="text-align: center;"> ----- (designation inside) ----- Radiological Area Boundary </td> <td style="font-size: small;"> Note: Dose Rates in mrem/hr unless otherwise noted. </td> </tr> </table>		Legend	<input type="checkbox"/> Direct Measurement	<input type="checkbox"/> Air Sample	<input type="checkbox"/> Smear	<input type="checkbox"/> LAW	<input type="checkbox"/> Neutron Dose Rate	<input type="checkbox"/> Transferability	<input type="checkbox"/> Field	<input type="checkbox"/> Contact	<input type="checkbox"/> Other Distance	<input type="checkbox"/> Other Measurement	----- (designation inside) ----- Radiological Area Boundary										Note: Dose Rates in mrem/hr unless otherwise noted.
Legend	<input type="checkbox"/> Direct Measurement	<input type="checkbox"/> Air Sample	<input type="checkbox"/> Smear	<input type="checkbox"/> LAW	<input type="checkbox"/> Neutron Dose Rate	<input type="checkbox"/> Transferability	<input type="checkbox"/> Field	<input type="checkbox"/> Contact	<input type="checkbox"/> Other Distance	<input type="checkbox"/> Other Measurement													
----- (designation inside) ----- Radiological Area Boundary										Note: Dose Rates in mrem/hr unless otherwise noted.													

Date Submitted: 05/10/2014 14:48:00

A-6006-67-SS (Rev 4)

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: DA-BOW-016

FACILITY STATUS CHANGE FORM

** Electronically Approved - L-1400507 on 5/22/2014 **

CH2M HILL PLATEAU REMEDIATION COMPANY RADIOLOGICAL SURVEY REPORT (Submitted for Approval)	RSR No. L-1400507	Page 6 of 14
--	-----------------------------	--------------

Map/Sketch



Map Name: 200W Construction Cones		Map Description: CC2W489, Finishers Shop	
Legend	Direct Measurement	Air Sample	Smear
	LAW	Neutron Dose Rate	Transferability
	Field	Contact	Other Distance
	Other Measurement	Note: Dose Rates in mrem/h unless otherwise noted.	
----- (designation inside) -----		----- Radiological Area Boundary -----	

Date Submitted: 05/10/2014 14:48:01

A-1014-663-SS (Rev. 4)

FACILITY STATUS CHANGE FORM

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-016

CH2M HILL PLATEAU REMEDIATION COMPANY RADIOLOGICAL SURVEY REPORT (Submitted for Approval)	RSR No. L-1400507	Page 7 of 14
--	----------------------	--------------

Map/Sketch



Map Name: 200W Construction Trailer/Cones		Map Description: Outside storage areas									
Legend	Dial Measurement	Air Sample	Smear	LAW	Neutron Dose Rate	Transferability	Field	Contact	Other Distance	Other Measurement	
	----- (Dial/Field/Contact) ----- Radiological Area Boundary										Note: Dose Rates in mrem/hr unless otherwise noted.

Date Submitted: (5/16/2014 14:48:00)

A-6004-663-SS (Rev 4)

Date Submitted: 5/28/2015

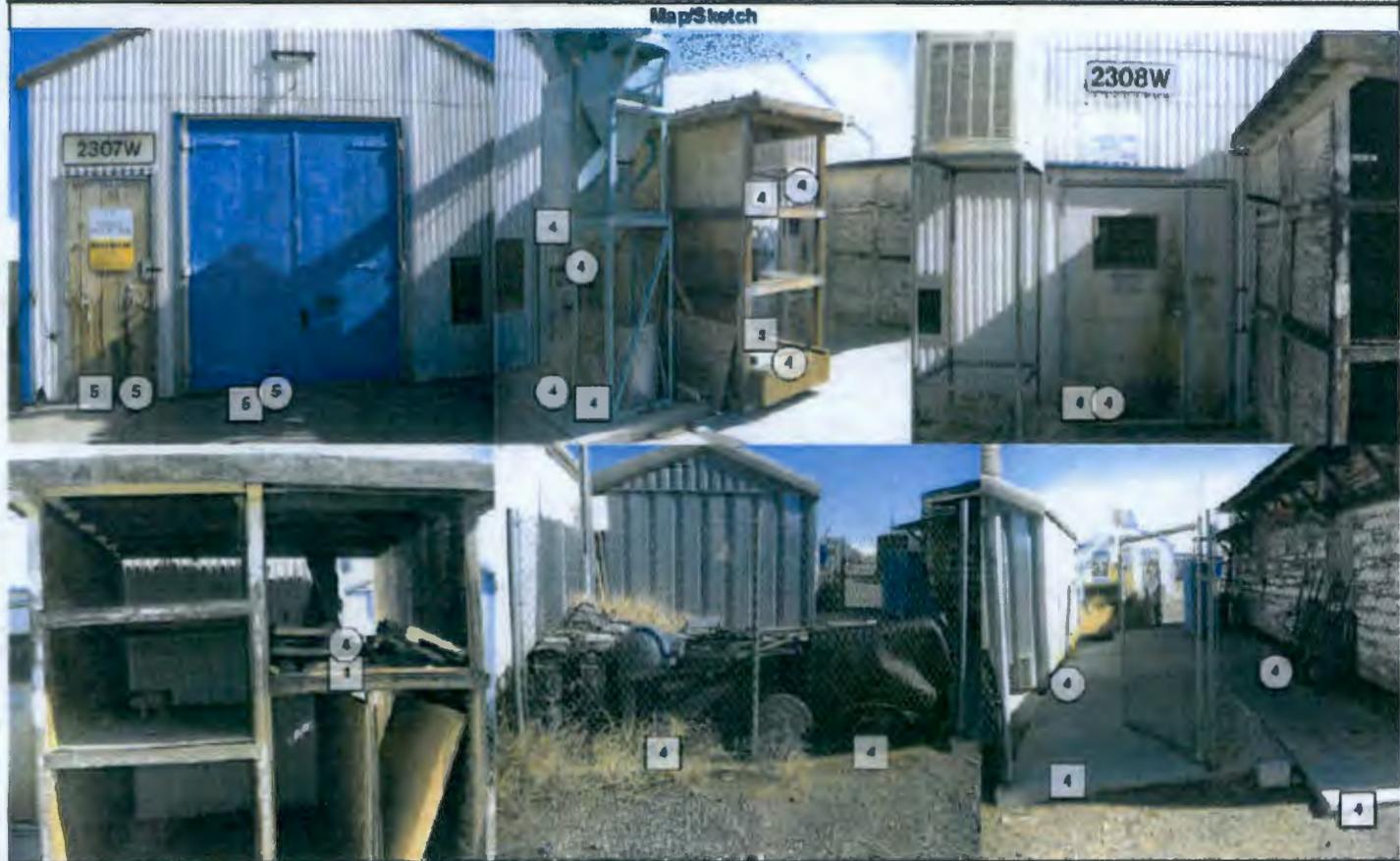
Area: 200 West Area

Control Number: D4-BOW-016

FACILITY STATUS CHANGE FORM

** Electronically Approved - L-1400507 on 5/22/2014 **

CH2M HILL PLATEAU REMEDIATION COMPANY RADIOLOGICAL SURVEY REPORT (Submitted for Approval)	RSR No. L-1400507	Page 8 of 14
--	-----------------------------	--------------



Map Name: 200W Construction Trailer/Conv		Map Description: Backside outside storage areas	
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: 05/16/2014 14:48:00 A-6004-663-SS (Rev. 4)

Date Submitted: 5/28/2015	FACILITY STATUS CHANGE FORM
Area: 200 West Area	
Control Number: DA-BOW-016	

CH2M HILL PLATEAU REMEDIATION COMPANY RADIOLOGICAL SURVEY REPORT (Submitted for Approval)	RSR No. L-1400507	Page 9 of 14
--	------------------------------	--------------

Map/Sketch



Map Name: 200W Construction Trailer		Map Description: 2304W	
Legend	Direct Measurement	Air Sample	Smear
	LAW	Neutron Dose Rate	Transferability
	Fixed	Contact	Other Distance
	Other Measurement	----- (designation inside) ----- Radiological Area Boundary	
N.B. Dose Rates in mrem/hr unless otherwise noted.			

Date Submitted: 05/10/2014 14:48:00

A-MEM-663-SS (Rev 4)

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-016

FACILITY STATUS CHANGE FORM

** Electronically Approved - L-1400507 on 5/22/2014 **

CH2M HILL PLATEAU REMEDIATION COMPANY RADIOLOGICAL SURVEY REPORT (Submitted for Approval)	RSR No. L-1400507	Page 10 of 14
--	----------------------	---------------

Map/Sketch



Map Name: 200W Construction Trailer		Map Description: Outside 2304W, outside storage, and buildings not surveyed	
Legend	Direct Measurement	Air Sample	Smear
	LAW	Neutron Dose Rate	Transferability
	Field	Contact	Other Distance
	Other Measurement	Note: Dose Rates in mrem/hr unless otherwise noted.	
----- (designated area) -----		----- Radiological Area Boundary -----	

Date Submitted: 05/10/2014 14:48:00 A-6006-677-SS (Rev 3)

Date Submitted: 5/28/2015	Area: 200 West Area	FACILITY STATUS CHANGE FORM
Control Number: D4-BOW-016		

** Electronically Approved - L-1400507 on 5/22/2014 **

CH2M HILL PLATEAU REMEDIATION COMPANY RADIOLOGICAL SURVEY REPORT (Submitted for Approval)	RSR No. L-1400507	Page 11 of 14
--	-----------------------------	---------------

Map/Sketch



Map Name: 200W Construction Storage areas		Map Description: 2263W and Outside storage areas	
Legend	Dial Measurement	Air Sample	Swire
	LAW	Neutron Dose Rate	Transferability
	Field	Contact	Other Distance
	Measurement	Note: Dose Rates in mrem/hr unless otherwise noted.	
----- (Designation outside) -----		----- Radioisotope Area Boundary -----	

Date Submitted: (05/10/2014 14:48:00)

A-6006-877-SS (Rev 4)

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-016

FACILITY STATUS CHANGE FORM

** Electronically Approved - L-1400507 on 5/22/2014 **

CH2M HILL PLATEAU REMEDIATION COMPANY RADIOLOGICAL SURVEY REPORT (Submitted for Approval)	RSR No. L-1400507	Page 12 of 14
--	----------------------	---------------

Map/Sketch



Map Name: 200W Construction Trailer work areas		Map Description: Outside storage pads and tented prep shop									
Legend	Dose Measurement	Air Sample	Smear	LAW	Neutron Dose Rate	Transferability	Field	Contact	Other Distance	Other Measurement	
	----- (designation inside) ----- Radiological Area Boundary										Note: Dose Rates in $\mu\text{rem/hr}$ unless otherwise noted.

Date Submitted: 05/10/2014 14:48:00

A-6006-677-SS (Rev. 4)

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: DA-BOW-016

FACILITY STATUS CHANGE FORM

** Electronically Approved - L-1400507 on 5/22/2014 **

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

**RSR No.
L-1400507**

Page 13 of 14

Map/Sketch



Map Name	Construction Forces Laydown area	Map Description	contex CC 2W-492
Legend	Dired Measurement	Air Sample	Smear
	LAW	Neutron Dose Rate	Transmissibility
	Field	Contact	Other Distance
	Measurement	Note: Dose Rates in mrem/hr unless otherwise noted.	
----- (designation made) -----		Radiological Area Boundary	

Date Submitted: 05/10/2014 14:48:00

A-6014-661-SS (Rev. 4)

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-016

FACILITY STATUS CHANGE FORM

** Electronically Approved - L-1400507 on 5/22/2014 **

CH2M HILL PLATEAU REMEDIATION COMPANY RADIOLOGICAL SURVEY REPORT (Submitted for Approval)		RSR No. L-1400507	Page 14 of 14
Instruments			
Instrument Type	Bar Code No.	Probe Bar Code No.	Efficiency (User)
LUUUM 2360	SCLL8-0422	UTL6P-0530	00.1 00.1
Unless stated otherwise in the "Comments" section, contamination levels for C-14, Pb-210, Ni-59, Ni-63, Se-79, Tc-99, Pd-107, and Eu-155 are ≤ 10 times the b-g contamination levels shown above (see CH2M-00073, Table 2-2).			
History			
2014-05-10 14:49:42 - Myers, Steven - Submitted			
2014-05-21 05:49:51 - Myers, Steven - Submitted: unknown submission error. resubmitted.			

FACILITY STATUS CHANGE FORM

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-016

Date Submitted: 05/10/2014 14:48:00

A-6(04-663-SS (Rev. 4)

FACILITY STATUS CHANGE FORM

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-016

*** Electronically Approved - L-1400507 on 5/22/2014 ***

User: MYERS, STEVEN (H7301859)
Title: Contributor
Date: Wednesday, May 21, 2014, 5:49 AM Pacific Standard Time
.....

User: KLEKAR, SCOTT (H0099867)
Title: Contributor
Date: Thursday, May 22, 2014, 7:23 AM Pacific Standard Time
.....

User: SIMS, MARK (H0003931)
Title: Reviewer
Date: Thursday, May 22, 2014, 7:55 AM Pacific Standard Time
.....

ATTACHMENT 9

**FACILITY STATUS CHANGE FORMS FOR 2308-W
D4-BOW-017**

**Consisting of 22 pages,
including this cover page**

FACILITY STATUS CHANGE FORM

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-017

Originator: Brett M. Barnes

Facility ID: 2308-W

Phone: 509 521-3053

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.

2308-W was a corrugated sheet metal covered structure that served as the carpenter shop. This facility was used by Engineering, Project, and Construction forces.

Demolition of 2308-W 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 2308-W:

- 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 2308-W structure is estimated to weigh approximately 70 tons.
- The structure was demolished to grade using heavy equipment (e.g., excavators and track hoes). See Attachment A.
- Asbestos sample results indicated that 1 percent category 1, nonfriable chrysotile asbestos containing material in the black roofing and white insulation material was present. Sampling confirmed that 11.5 percent category 1, nonfriable asbestos chrysotile asbestos containing material was located in only the black roofing material and not in the attached white foam. Friable asbestos was removed from a steamline, packaged, and disposed of using approved methods before demolishing the structure.
- 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*, as amended.
- 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 non-radiological. Visual inspection of the area revealed no evidence of staining (e.g., potential hazardous substances resulting from spills or other events).

FACILITY STATUS CHANGE FORM

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-017

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 2308-W 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 2308-W 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 \$89,577.

Section 4: List of Attachments

Attachment A: Project Photographs of 2308-W (Pre-Demolition, During Demolition, and Post-Demolition)

Attachment B: Radiological Survey Report

Wade Woolery
DOE-RL (Print)

Wade Woolery
Signature

Feb 16, 2016
Date

FACILITY STATUS CHANGE FORM

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-017

Attachment A



2308-W Pre-Demolition

FACILITY STATUS CHANGE FORM

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-017



2308-W During Demolition

FACILITY STATUS CHANGE FORM

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-017



2308-W Post-Demolition

FACILITY STATUS CHANGE FORM

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-017

Attachment B

Radiological Survey Report

** Electronically Approved - L-1400507 on 5/22/2014 **

CH2M HILL PLATEAU REMEDIATION COMPANY RADIOLOGICAL SURVEY REPORT (Submitted for Approval)			RSR No. L-1400507	Page 1 of 14
Date 5/9/2014	Start/Stop Time 0700 / 1500	Area/Location 200W / Outside Areas / Construction Forces Yard / Non-Radiological Area		RWP/Rev N/A

Purpose of Survey: <input type="checkbox"/> Material Clearance Number: N/A Cleared to: N/A Rem Shipment: N/A <input type="checkbox"/> Required Task: N/A <input type="checkbox"/> Job Coverage: N/A <input type="checkbox"/> Verification survey $a = <D$ <D=No increase in audible count rate <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>N/A</td><td>Inches/Sec.</td><td>N/A</td><td>Inches Away</td></tr> <tr><td>N/A</td><td>Count Time (Sec.)</td><td>N/A</td><td>% Surveyed</td></tr> <tr><td>N/A</td><td># of Static Counts</td><td>N/A</td><td>Square Feet</td></tr> </table> <input type="checkbox"/> Verification survey $By = <D$ <D=No increase in audible count rate <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>N/A</td><td>Inches/Sec.</td><td>N/A</td><td>Inches Away</td></tr> <tr><td>N/A</td><td>Count Time (Sec.)</td><td>N/A</td><td>% Surveyed</td></tr> <tr><td>N/A</td><td># of Static Counts</td><td>N/A</td><td>Square Feet</td></tr> </table> <input checked="" type="checkbox"/> Other: Verification	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	Description of Work / Comments: Construction Force Facilities PreDemo Survey COMMENTS: Performed Verification survey with Good Radiological Practice Guidance of Construction Forces Non-Radiological buildings, Trailers and Equipment Laydown area in 200W. Each area/building/conex entered was inspected for fugitive radioactive materials and biological vector intrusion. Structures have been abandoned and are in various states of decay and disrepair, presenting multiple hazards. Areas, buildings, conex's previously deemed "Unsafe for Entry" were premarked with Orange DOT painted X's. Areas denoted and itemized on maps were surveyed with the minimum of the following criterion: no less than 10' of surfaces scanned at 1-2"/sec, 1/4" away, focused on areas of greatest potential or that appeared suspect. Locations scanned that had indication of greater than background audible counts were static counted for no less than 5 seconds. Each building, conex, storage area entered was also smeared in no less than 4 locations by direct contact of RCS for possible measurable contamination.
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																						

Contamination Measurements															
		† Manually Calculated by RCT													
		Background cpm		Direct Gross cpm/100 cm²		Total cpm/100 cm²		Correction Factor		Removable					
										Gross (cpm)		cpm/100 cm²			
No	Description	By	a	By	a	By	a	By	a	Type	By	a	By	a	
1	Surfaces within 2306W	280	1.2	220	1	<5000	<500	10	10	Smear	240	1	<1000	<20	
2	Surfaces within 2315W	240	1.2	260	0	<5000†	<500†	10	10	Smear	240	1	<1000†	<20†	
3	Exterior storage areas around 2315W	220	1.2	220	0	<5000	<500	10	10	Smear	220	1	<1000	<20	
4	Surfaces within 2308W	220	1.2	220	1	<5000	<500	10	10	Smear	220	0	<1000	<20	
5	Surfaces within 2307W	230	1.2	230	1	<5000	<500	10	10	Smear	230	1	<1000	<20	
6	Surfaces within conex 000W489 and adjacent areas	260	1.2	250	0	<5000	<500	10	10	Smear	260	1	<1000	<20	

Date Submitted: 05/16/2014 14:48:00

A-6004-661-SS (Rev. 4)

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: DA-BOW-017

FACILITY STATUS CHANGE FORM

** Electronically Approved - L-1400507 on 5/22/2014 **

CH2M HILL PLATEAU REMEDIATION COMPANY RADIOLOGICAL SURVEY REPORT (Submitted for Approval)						RSR No. L-1400507				Page 2 of 14				
Contamination Measurements (Continued)														
† Manually Calculated by RGT														
No.	Description	Background cpm		Direct Gross cpm/100 cm ²		Total cpm/100 cm ²		Correction Factor		Type	Removable			
		By	α	By	α	By	α	By	α		Gross cpm	α	By	α
7	Surfaces within Conex CC2W488 and adjacent 'Finishers Shop' areas	350	1.2	250	0	<5000	<500	10	10	Smear	250	1	<1000	<20
8	Surfaces within 2304W and adjacent areas	240	1.2	240	0	<5000	<500	10	10	Smear	240	0	<1000	<20
9	Surfaces around 2314W	265	1.2	260	0	<5000	<500	10	10	Smear	260	1	<1000	<20
10	Surfaces within Gas Storage 2263W and adjacent areas	280	1.2	280	0	<5000	<500	10	10	Smear	280	0	<1000	<20
11	Surfaces within Painters tent and adjacent areas	250	1.2	250	0	<5000	<500	10	10	Smear	250	1	<1000	<20
12	Surfaces within Conex CC2W492 and adjacent areas	240	1.2	240	0	<5000	<500	10	10	Smear	240	0	<1000	<20

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-017

FACILITY STATUS CHANGE FORM

** Electronically Approved - L-1400507 on 5/22/2014 **

CH2M HILL PLATEAU REMEDIATION COMPANY RADIOLOGICAL SURVEY REPORT (Submitted for Approval)	RSR No. L-1400507	Page 3 of 14
--	----------------------	--------------

Map/Sketch



Map Name: 2306W construction trailer	Map Description: 2306W									
Legend	[M] Direct Measurement	[A] Air Sample	[S] Sewer	[L] LAW	[N] Neutron Dose Rate	[T] Transferability	[F] Field	[C] Contact	[D] Other Distance	[O] Other Measurement
----- (designation made) ----- Radiological Area Boundary						Note: Dose Rates in mrem/hr unless otherwise noted.				

Date Submitted: 05/10/2014 14:48:00

A-6006-877 (Rev. 4)

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-017

FACILITY STATUS CHANGE FORM

** Electronically Approved - L-1400507 on 5/22/2014 **

CH2M HILL PLATEAU REMEDIATION COMPANY RADIOLOGICAL SURVEY REPORT (Submitted for Approval)	RSR No. L-1400507	Page 4 of 14
--	----------------------	--------------

Map/Sketch



Map Name: 200W Construction Trailer		Map Description: 2315W, adjacent pad	
Legend	Direct Measurement	Air Sample	Smear
	LAW	Neutron Dose Rate	Transferability
	Field	Contact	Other Distance
	Other Measurement	Note: Dose Rates in mrem/hr unless otherwise noted.	
----- (designation inside) -----		Radiological Area Boundary	

Date Submitted: 05/10/2014 14:48:00

A-8008-677-SS (Rev 4)

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: DA-BOW-017

FACILITY STATUS CHANGE FORM

** Electronically Approved - L-1400507 on 5/22/2014 **

CH2M HILL PLATEAU REMEDIATION COMPANY RADIOLOGICAL SURVEY REPORT (Submitted for Approval)	RSR No. L-1400507	Page 5 of 14
--	----------------------	--------------

Map/Sketch



Map Name: 200W Construction Trailer	Map Description: 2308W, 2307W																				
Legend <table style="width:100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">[M] Direct Measurement</td> <td style="text-align: center;">[A] Air Sample</td> <td style="text-align: center;">[S] Smear</td> <td style="text-align: center;">[L] LAW</td> <td style="text-align: center;">[D] Nuclear Dose Rate</td> <td style="text-align: center;">[T] Transferability</td> <td style="text-align: center;">[F] Field</td> <td style="text-align: center;">[C] Contact</td> <td style="text-align: center;">[O] Other Distance</td> <td style="text-align: center;">[M] Other Measurement</td> </tr> <tr> <td colspan="4" style="text-align: center;">----- (designation inside) -----</td> <td colspan="2" style="text-align: center;">----- Radiological Area Boundary -----</td> <td colspan="4" style="text-align: right;">Note: Dose Rates in mrem/hr unless otherwise noted.</td> </tr> </table>		[M] Direct Measurement	[A] Air Sample	[S] Smear	[L] LAW	[D] Nuclear Dose Rate	[T] Transferability	[F] Field	[C] Contact	[O] Other Distance	[M] Other Measurement	----- (designation inside) -----				----- Radiological Area Boundary -----		Note: Dose Rates in mrem/hr unless otherwise noted.			
[M] Direct Measurement	[A] Air Sample	[S] Smear	[L] LAW	[D] Nuclear Dose Rate	[T] Transferability	[F] Field	[C] Contact	[O] Other Distance	[M] Other Measurement												
----- (designation inside) -----				----- Radiological Area Boundary -----		Note: Dose Rates in mrem/hr unless otherwise noted.															

Date Submitted: (5/10/2014 14:48:00)

A-6004-663-SS (Rev 4)

FACILITY STATUS CHANGE FORM
Date Submitted: 5/28/2015 Area: 200 West Area Control Number: D4-BOW-017

** Electronically Approved - L-1400507 on 5/22/2014 **

CH2M HILL PLATEAU REMEDIATION COMPANY RADIOLOGICAL SURVEY REPORT (Submitted for Approval)	RSR No. L-1400507	Page 6 of 14
--	-----------------------------	--------------

Map/Sketch



Map Name: 200W Construction Cones	Map Description: CC2W489, Finishers Shop																				
Legend	<table border="0"> <tr> <td> Direct Measurement</td> <td> Air Sample</td> <td> Smear</td> <td> LAW</td> <td> Nuclear Dose Rate</td> <td> Transferability</td> <td> Field</td> <td> Contact</td> <td> Other Distance</td> <td> Other Measurement</td> </tr> <tr> <td colspan="8"> ----- (designation inside) ----- Radiological Area Boundary </td> <td colspan="2"> Note: Dose Rates in mrem/hr unless otherwise noted. </td> </tr> </table>	Direct Measurement	Air Sample	Smear	LAW	Nuclear Dose Rate	Transferability	Field	Contact	Other Distance	Other Measurement	----- (designation inside) ----- Radiological Area Boundary								Note: Dose Rates in mrem/hr unless otherwise noted.	
Direct Measurement	Air Sample	Smear	LAW	Nuclear 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 14:48:00

A-4004-663-SS (Rev 3)

Date Submitted: 5/28/2015

Area: 200 West Area

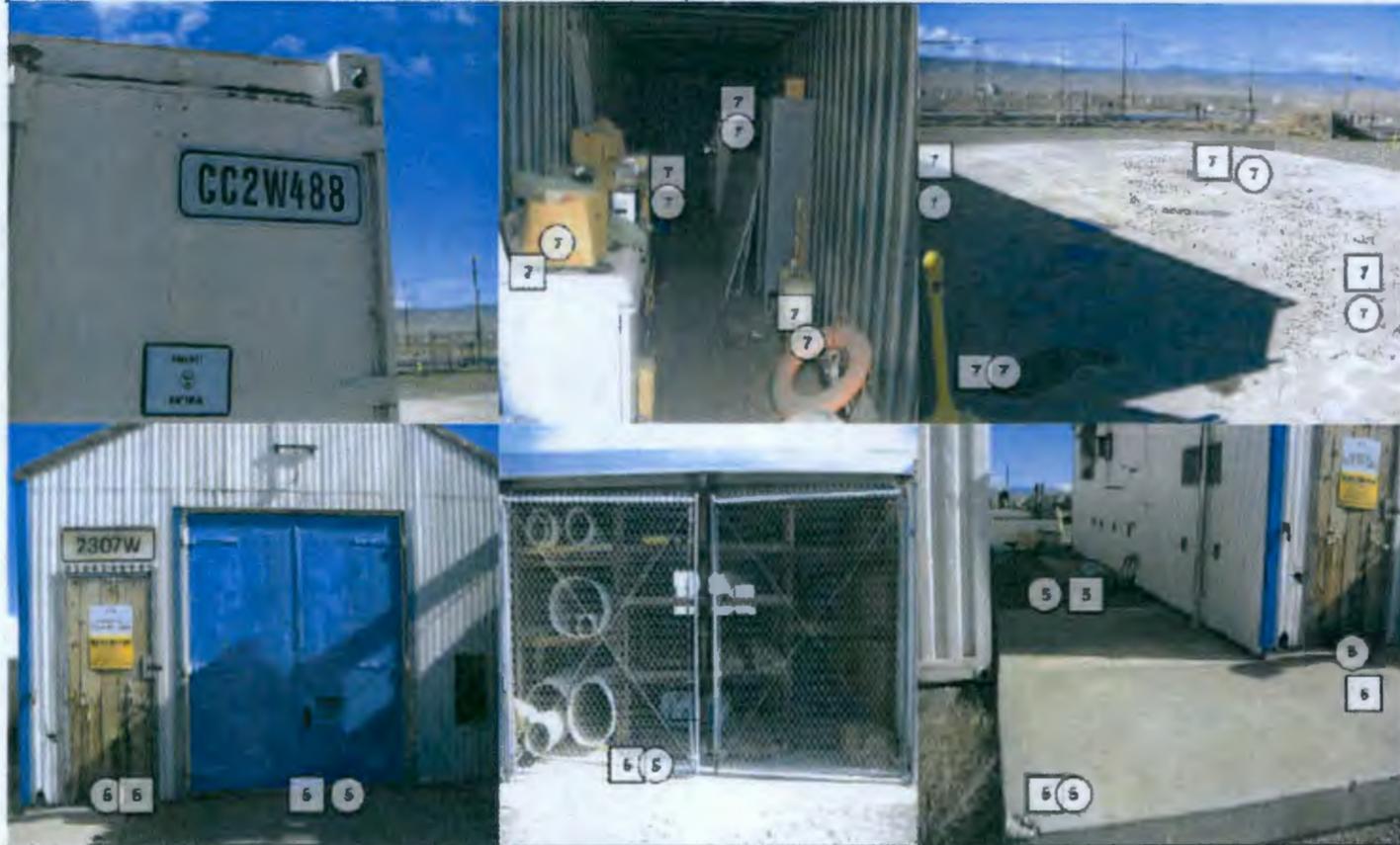
Control Number: D4-BOW-017

FACILITY STATUS CHANGE FORM

** Electronically Approved - L-1400507 on 5/22/2014 **

CH2M HILL PLATEAU REMEDIATION COMPANY RADIOLOGICAL SURVEY REPORT (Submitted for Approval)	RSR No. L-1400507	Page 7 of 14
--	-----------------------------	--------------

Map/Sketch



Map Name: 200W Construction Trailer/Conex	Map Description: Outside storage areas										
Legend <table border="0"> <tr> <td> Dired 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>		Dired Measurement	Air Sample	Smear	LAW	Neutron Dose Rate	Transferability	Field	Contact	Other Distance	Other Measurement
Dired Measurement	Air Sample	Smear	LAW	Neutron Dose Rate	Transferability	Field	Contact	Other Distance	Other Measurement		
----- (designation trade) ----- Radiological Area Boundary											
Note: Dose Rates in mrem/hr unless otherwise noted.											

Date Submitted: 05/10/2014 14:48:00

A-6004-063-SS (Rev. 4)

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-017

FACILITY STATUS CHANGE FORM

** Electronically Approved - L-1400507 on 5/22/2014 **

CH2M HILL PLATEAU REMEDIATION COMPANY RADIOLOGICAL SURVEY REPORT (Submitted for Approval)	RSR No. L-1400507	Page 6 of 14
--	------------------------------	--------------

Map/Sketch



Map Name: 200W Construction Trailer/cont		Map Description: Backside outside storage areas	
Legend	Direct Measurement	Air Sample	Street
	LAW	Neutron Dose Rate	Transferability
	Field	Contact	Other Distance
	Other Measurement	Note: Dose Rates in mrem/hr unless otherwise noted.	
----- (designation inside) -----		Radiological Area Boundary	

Date Submitted: 05/10/2014 14:48:00

A-6008-677-SS (Rev. 4)

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-017

FACILITY STATUS CHANGE FORM

** Electronically Approved - L-1400507 on 5/22/2014 **

CH2M HILL PLATEAU REMEDIATION COMPANY RADIOLOGICAL SURVEY REPORT (Submitted for Approval)	RSR No. L-1400507	Page 9 of 14
--	-----------------------------	--------------

Map/Sketch



Map Name: 200W Construction Trailer		Map Description: 2304W	
Legend	Direct Measurement	Air Sample	Smear
	LAW	Neutron Dose Rate	Transferability
	Field	Contact	Other Distance
	Other Measurement	----- (designated inside) ----- Radiological Area Boundary	
			Note: Dose Rates in $\mu\text{R/hr}$ unless otherwise noted.

Date Submitted: 05/16/2014 14:48:00

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

Date Submitted: 5/28/2015
 Area: 200 West Area
 Control Number: D4-BOW-017

FACILITY STATUS CHANGE FORM

** Electronically Approved - L-1400507 on 5/22/2014 **

CH2M HILL PLATEAU REMEDIATION COMPANY RADIOLOGICAL SURVEY REPORT (Submitted for Approval)	RSR No. L-1400507	Page 10 of 14
--	----------------------	---------------

Map/Sketch



Map Name: 200W Construction Trailer	Map Description: Outside 200W, outside storage, and buildings not surveyed																				
Legend	<table style="width:100%; font-size: small;"> <tr> <td> Direct Measurement</td> <td> Air Sample</td> <td> Swear</td> <td> LAW</td> <td> Neutron Count Rate</td> <td> Transmittability</td> <td> Field</td> <td> Contact</td> <td> Other Distance</td> <td> Other Measurement</td> </tr> <tr> <td colspan="5" style="text-align: center;">----- (designation trace) -----</td> <td colspan="2" style="text-align: center;">----- Radiological Area Boundary -----</td> <td colspan="3" style="text-align: right;">Note: Dose Rates in mrem/hr unless otherwise noted.</td> </tr> </table>	Direct Measurement	Air Sample	Swear	LAW	Neutron Count Rate	Transmittability	Field	Contact	Other Distance	Other Measurement	----- (designation trace) -----					----- Radiological Area Boundary -----		Note: Dose Rates in mrem/hr unless otherwise noted.		
Direct Measurement	Air Sample	Swear	LAW	Neutron Count Rate	Transmittability	Field	Contact	Other Distance	Other Measurement												
----- (designation trace) -----					----- Radiological Area Boundary -----		Note: Dose Rates in mrem/hr unless otherwise noted.														

Date Submitted: 05/10/2014 14:48:00

A-MH-66J-SS (Rev. 4)

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-B0W-017

FACILITY STATUS CHANGE FORM

** Electronically Approved - L-1400507 on 5/22/2014 **

CH2M HILL PLATEAU REMEDIATION COMPANY RADIOLOGICAL SURVEY REPORT (Submitted for Approval)	RSR No. L-1400507	Page 11 of 14
Map/Sketch		
Map Name: 200W Construction Storage areas		Map Description: 2263W and Outside storage areas
Legend	<input type="checkbox"/> Direct Measurement <input type="checkbox"/> Air Sample <input type="checkbox"/> Smear <input type="checkbox"/> LAW <input type="checkbox"/> Neutron Dose Rate <input type="checkbox"/> Transferability <input type="checkbox"/> Field <input type="checkbox"/> Contact <input type="checkbox"/> Other Distance <input type="checkbox"/> Other Measurement	
----- (designation as3e) -----		----- Radiological Area Boundary -----
		Note: Dose Rates in mrem/hr unless otherwise noted.

Date Submitted: (5/10/2014 14:48:08)

A-6004-663-SS (Rev 4)

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-017

FACILITY STATUS CHANGE FORM

** Electronically Approved - L-1400507 on 5/22/2014 **

CH2M HILL PLATEAU REMEDIATION COMPANY RADIOLOGICAL SURVEY REPORT (Submitted for Approval)	RSR No. L-1400507	Page 12 of 14
--	-----------------------------	---------------

Map/Sketch



Map Name: 200W Construction Trailerwork area	Map Description: Outside storage pads and tented prep shop																					
<table border="1"> <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> <tr> <td colspan="10"> <p align="center">----- (designation inside) ----- Radological Area Boundary</p> </td> </tr> </table>		Legend	Direct Measurement	Air Sample	Smear	LAW	Neutron Dose Rate	Transferability	Field	Contact	Other Distance	Other Measurement	<p align="center">----- (designation inside) ----- Radological Area Boundary</p>									
Legend	Direct Measurement	Air Sample	Smear	LAW	Neutron Dose Rate	Transferability	Field	Contact	Other Distance	Other Measurement												
<p align="center">----- (designation inside) ----- Radological Area Boundary</p>																						
<p align="right">Note: Dose Rates in mrem/hr unless otherwise noted.</p>																						

Date Submitted: 05/10/2014 14:48:00

A-6004-661-SS (Rev. 4)

FACILITY STATUS CHANGE FORM

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-017

** Electronically Approved - L-1400507 on 5/22/2014 **

CH2M HILL PLATEAU REMEDIATION COMPANY RADIOLOGICAL SURVEY REPORT (Submitted for Approval)	RSR No. L-1400507	Page 13 of 14
--	------------------------------	---------------

Map/Sketch



Map Name	Construction Forces Lay-down area	Map Description	conex CC2W492
Legend	Dred 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: 06/10/2014 14:48:00

A-6004-663-SS (Rev 4)

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BCW-017

FACILITY STATUS CHANGE FORM

** Electronically Approved - L-1400507 on 5/28/2014 **

CH2M HILL PLATEAU REMEDIATION COMPANY RADIOLOGICAL SURVEY REPORT (Submitted for Approval)		RSR No. L-1400507	Page 14 of 14
Instruments			
Instrument Type	Bar Code No.	Probe Bar Code No.	Efficiency (dpm)
LUCLUM 2360	SCLL8-0422	DTLLP-0530	30.1 @0.1
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-155 are ≤ 10 times the b-g contamination levels shown above (see CHPC-00073, Table 2-2).			
History			
2014-05-10 14:49:42 - Myers, Steven - Submitted			
2014-05-21 05:49:51 - Myers, Steven - Submitted: unknown submission error. resubmitted.			

FACILITY STATUS CHANGE FORM

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-SOW-017

Date Submitted: 05/10/2014 14:46:00

A-6004661-SS (Rev. 4)

FACILITY STATUS CHANGE FORM

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-017

*** Electronically Approved - L-1400507 on 5/22/2014 ***

User: MYERS, STEVEN (H7301859)
Title: Contributor
Date: Wednesday, May 21, 2014, 5:49 AM Pacific Standard Time
.....

User: KLEKAR, SCOTT (H0099867)
Title: Contributor
Date: Thursday, May 22, 2014, 7:23 AM Pacific Standard Time
.....

User: SIMS, MARK (H0003931)
Title: Reviewer
Date: Thursday, May 22, 2014, 7:55 AM Pacific Standard Time
.....

ATTACHMENT 10

**FACILITY STATUS CHANGE FORMS FOR 2309-W
D4-BOW-018**

Consisting of 14 pages,
including this cover page

FACILITY STATUS CHANGE FORM

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-018

Originator: Brett M. Barnes

Facility ID: 2309-W

Phone: 509 521-3053

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.

2309-W consisted of a skid-mounted double-wide structure, used as a sheet metal shop, with three additional add-on structures. This facility was primarily used by Engineering, Project, and Construction forces.

Demolition of 2309-W was performed during September 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 2309-W:

- 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*).
- 2309-W is estimated to weigh approximately 290 tons.
- 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).

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 2309-W 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.

FACILITY STATUS CHANGE FORM

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-018

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

The area surrounding 2309-W 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 \$358,993.

Section 4: List of Attachments

Attachment A: Project Photographs of 2309-W (Pre-Demolition, During Demolition, and Post-Demolition)

Attachment B: Radiological Survey Report

Wade Worlesy
DOE-RL (Print)

Worlesy
Signature

Feb 16, 2016
Date

FACILITY STATUS CHANGE FORM

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-018

Attachment A



2309-W Pre-Demolition

FACILITY STATUS CHANGE FORM

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-018



2309-W During Demolition



2309-W During Demolition

FACILITY STATUS CHANGE FORM

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-018



2309-W Post-Demolition

FACILITY STATUS CHANGE FORM		
Date Submitted: 5/28/2015	Area: 200 West Area	Control Number: D4-BOW-018

Attachment B

Radiological Survey Report

** Electronically Approved - L-1400506 on 6/9/2014 **

CH2M HILL PLATEAU REMEDIATION COMPANY RADIOLOGICAL SURVEY REPORT (Submitted for Approval)			RSR No. L-1400506	Page 1 of 6
Date 5/9/2014	Start/Stop Time 0800 / 1600	Area/Location 100R / 105RW / N/A / GYPSY CAMP		RWP/Rev N/A

<p>Purpose of Survey:</p> <p><input type="checkbox"/> Material Clearance Number: N/A Cleared to: N/A Ram Shipment: N/A Required Task: N/A Job Coverage: N/A</p> <p><input type="checkbox"/> Verification survey $\alpha = <D$ <D=No increase in audible count rate</p> <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>N/A</td><td>Inches/Sec.</td><td>N/A</td><td>Inches Away</td></tr> <tr><td>N/A</td><td>Count Time (Sec)</td><td>N/A</td><td>% Surveyed</td></tr> <tr><td>N/A</td><td>\$ of Static Counts</td><td>N/A</td><td>Square Feet</td></tr> </table> <p><input type="checkbox"/> Verification survey $\beta \gamma = <D$ <D=No increase in audible count rate</p> <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>N/A</td><td>Inches/Sec.</td><td>N/A</td><td>Inches Away</td></tr> <tr><td>N/A</td><td>Count Time (Sec)</td><td>N/A</td><td>% Surveyed</td></tr> <tr><td>N/A</td><td>\$ of Static Counts</td><td>N/A</td><td>Square Feet</td></tr> </table> <p><input checked="" type="checkbox"/> Other: Pre Demo verification survey</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>Completed "Verification" survey of the abandoned construction force facilities(GYPSY CAMP) in the 200-West area.</p> <p>Comments: Completed pre-demo "verification" survey of the abandoned construction services buildings in the 200-West area. Survey was as followed: 10' of each building based on the presence of biological vectors and suspect items. Scan surfaces at 2"/second at 1/4" pausing for 5 seconds at any elevated audible location. A minimum of four (4) technical smears were taken in each facility. Lead RCT Steve Myers added to this survey for technical review only.</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																						

Contamination Measurements

		† Manually Calculated by RCT												
No.	Description	Background cpm		Direct Gross cpm/100 cm²		Total dpm/100 cm²		Corrosion Factor		Removable				
		By	a	By	a	By	a	By	a	Type	By	a	dpm/100 cm²	a
C1	NC-556	250	0	250	0	<5000	<500	10	10	Smear	250	0	<1000	<20
C2	NC-841	250	0	250	0	<5000	<500	10	10	Smear	250	0	<1000	<20
C3	2300-W	250	0	250	0	<5000	<500	10	10	Smear	250	0	<1000	<20
C4	2309-W	250	0	250	0	<5000	<500	10	10	Smear	250	0	<1000	<20
C5	2265-W	250	0	250	0	<5000	<500	10	10	Smear	250	0	<1000	<20

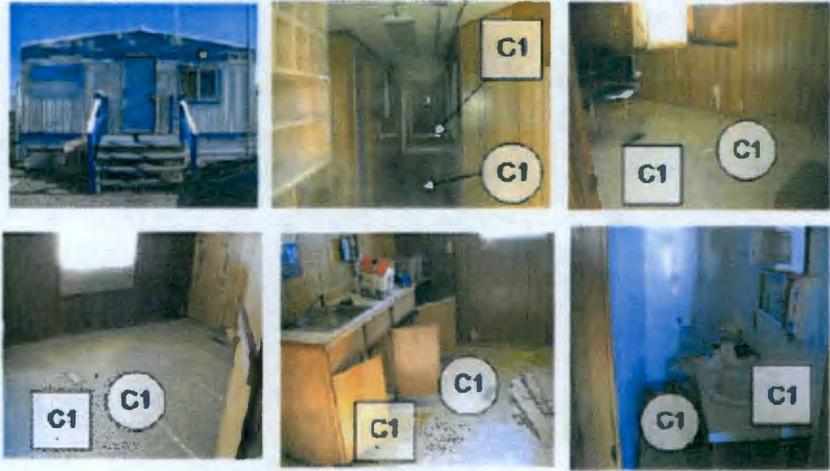
Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-018

FACILITY STATUS CHANGE FORM

** Electronically Approved - L-1400506 on 6/9/2014 **

CH2M HILL PLATEAU REMEDIATION COMPANY RADIOLOGICAL SURVEY REPORT (Submitted for Approval)	RSR No. L-1400506	Page 2 of 6
Map/Sketch		
		
BUILDING MO-656		
Map Name: GYPSY CAMP Map Description: MO-556		
Legend	<input type="checkbox"/> Direct Measurement <input type="checkbox"/> Air Sample <input type="checkbox"/> Smear <input type="checkbox"/> LAW <input type="checkbox"/> Neutron Dose Rate <input type="checkbox"/> Transferability <input type="checkbox"/> Field <input type="checkbox"/> Contact <input type="checkbox"/> Other Distance <input type="checkbox"/> Other Measurement	
 (designation inside) Radiological Area Boundary Note: Dose Rates in mrem/hr unless otherwise noted.	

FACILITY STATUS CHANGE FORM
Date Submitted: 5/28/2015
Area: 200 West Area
Control Number: D4-BOW-018

** Electronically Approved - L-1400506 on 6/9/2014 **

CH2M HILL PLATEAU REMEDIATION COMPANY RADIOLOGICAL SURVEY REPORT (Submitted for Approval)	RSR No. L-1400506	Page 3 of 6
Map/Sketch		
BUILDING MO-841		
Map Name: GYPSY CAMP		Map Description: MO-841
Legend	<input type="checkbox"/> Dred Measurement <input type="checkbox"/> Air Sample <input type="checkbox"/> Snear <input type="checkbox"/> LAW <input type="checkbox"/> Neutron Dose Rate <input type="checkbox"/> Transferability <input type="checkbox"/> Field <input type="checkbox"/> Contact <input type="checkbox"/> Other Distance <input type="checkbox"/> Other Measurement	Note: Dose Rates in event/Air unless otherwise noted
..... (designation inside) Radiological Area Boundary		

Date Submitted: 5/28/2015	Area: 200 West Area	Control Number: D4-BOW-018
FACILITY STATUS CHANGE FORM		

Date Submitted: 06/09/2014 14:42:00

A-6006-677 (Rev. 4)

** Electronically Approved - L-1400506 on 6/9/2014 **

CH2M HILL PLATEAU REMEDIATION COMPANY RADIOLOGICAL SURVEY REPORT (Submitted for Approval)		RSR No. L-1400506	Page 4 of 6
Map/Sketch			
Map Name: GYPSY CAMP		Map Description: Building 2300W	
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 rrem/yr unless otherwise noted

Date Submitted: 5/28/2015	Area: 200 West Area	Control Number: DA-BOW-018
FACILITY STATUS CHANGE FORM		

Date Submitted: 06/09/2014 14:42:00

A-6008-677-SS (Rev 4)

** Electronically Approved - L-1400506 on 6/9/2014 **

CH2M HILL PLATEAU REMEDIATION COMPANY RADIOLOGICAL SURVEY REPORT (Submitted for Approval)		RSR No. L-1400506	Page 5 of 6
Map/Sketch			
		BUILDING #2309W	
Map Name	GYPSY CAMP		
Map Description	Building 2 MW		
Legend	Dired Measurement	Air Sample	Swear
	LAW	Neutron Dose Rate	Transferability
	Field	Contact	Other Distance
	Other Measurement (designation inside) Radiological Area Boundary	
	Nde: Dose Rates in rem/yr unless otherwise noted		

Facility Status Change Form	Date Submitted: 5/28/2015	Area: 200 West Area
		Control Number: D4-BOW-018

** Electronically Approved - L-1400506 on 6/9/2014 **

CH2M HILL PLATEAU REMEDIATION COMPANY RADIOLOGICAL SURVEY REPORT (Submitted for Approval)		RSR No. L-1400506	Page 6 of 6
Map/Sketch			
			
BUILDING # 2265W			
Map Name: GYPSY CAMP		Map Description: Building 2265W	
Legend	<input checked="" type="checkbox"/> Direct Measurement	<input checked="" type="checkbox"/> Air Sample	<input checked="" type="checkbox"/> Swear
	<input checked="" type="checkbox"/> LAW	<input checked="" type="checkbox"/> Neutron Dose Rate	<input checked="" type="checkbox"/> Transferability
	<input checked="" type="checkbox"/> Field	<input checked="" type="checkbox"/> Contact	<input checked="" type="checkbox"/> Other Distance
	<input checked="" type="checkbox"/> Other Measurement	----- (designation inside) ----- Radiological Area Boundary	
		Note: Dose Rates in mrem/hr unless otherwise noted	
Instruments			
Instrument Type	Bar Code No.	Probe Bar Code No.	Efficiency (Used)
LUGLUM 2360	SCLLE-0510	DTLLP-0614	80.1 90.1
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 Pu-155 are ≤ 10 times the b-g contamination levels shown above (see CRPC-00073, Table 2-2).			
History			
2014-06-09 10:38:21 - Richardson, L. Dan - Submitted			
2014-06-09 14:31:11 - Richardson, L. Dan - UnSubmitted: corrections on direct readings			
2014-06-09 14:37:24 - Richardson, L. Dan - Submitted: made corrections on direct readings			
2014-06-09 14:40:35 - Richardson, L. Dan - UnSubmitted: corrections on removable readings			
2014-06-09 14:42:55 - Richardson, L. Dan - Submitted: corrections on removable readings			

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: DA-BOW-018

FACILITY STATUS CHANGE FORM

FACILITY STATUS CHANGE FORM

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-018

** Electronically Approved - L-1400506 on 6/9/2014 **

User: RICHARDSON, LEONARD (H0051423)
Title: Contributor
Date: Monday, June 09, 2014, 2:42 PM Pacific Standard Time

User: MYERS, STEVEN (H7301859)
Title: Contributor
Date: Monday, June 09, 2014, 2:49 PM Pacific Standard Time

User: SIMS, MARK (H0003931)
Title: Reviewer
Date: Monday, June 09, 2014, 3:33 PM Pacific Standard Time

ATTACHMENT 11

**FACILITY STATUS CHANGE FORMS FOR 2310-W
D4-BOW-019**

Consisting of 5 pages,
including this cover page

FACILITY STATUS CHANGE FORM

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-019

Originator: Brett M. Barnes

Facility ID: 2310-W

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.

2310-W was a steel-sided storage facility, used for material storage, with roll-up doors on the south and north ends. This facility was used by Engineering, Project, and Construction forces.

Demolition of 2310-W was performed during 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 2310-W:

- 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*).
- 2310-W is estimated to weigh approximately 120 tons. Asbestos sampling of the structure indicated that no nonfriable asbestos was present. Radiological surveys indicated no radiation above background levels.
- 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).

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.

FACILITY STATUS CHANGE FORM

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-019

Description of Current/As-Left Conditions:

The underlying soil of 2310-W 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 2310-W 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.

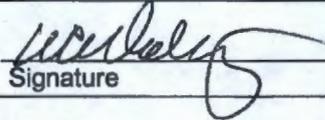
Section 3: Total D4 Cost

Costs associated with dispositioning this facility are \$149,621.

Section 4: List of Attachments

Attachment A: Project Photographs of 2310-W (Pre-Demolition, During Demolition, and Post-Demolition)

Wade Woolery
DOE-RL (Print)


Signature

Feb 16, 2016
Date

FACILITY STATUS CHANGE FORM

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-019

Attachment A



2310-W Pre-Demolition



2310-W During Demolition

FACILITY STATUS CHANGE FORM

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-019



2310-W Post-Demolition

ATTACHMENT 12

**FACILITY STATUS CHANGE FORMS FOR 2314-W
D4-BOW-020**

**Consisting of 22 pages,
including this cover page**

FACILITY STATUS CHANGE FORM

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-020

Originator: Brett M. Barnes

Facility ID: 2314-W

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.

2314-W was a skid-mounted structure facility primarily used for bench stock storage. This facility was used by Engineering, Project, and Construction forces.

Demolition of 2314-W 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 2314-W:

- 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 (ARAR) 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 the *National Environmental Policy Act of 1969* requirements to address the impacts of demolition at the site. "Ecological and Cultural Clearance for the Deactivation and Demolition of the Former Engineering, Project, and Construction Site in the 200 West Area" (HCRC#88-200-038, ECR-2014-223).
- The 2314-W structure is estimated to weigh approximately 40 tons.
- Asbestos sampling of the structure indicated that no nonfriable asbestos was present.
- Beryllium sampling indicated that no beryllium was present.
- 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*, as amended.
- 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. See Attachment B.

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).

FACILITY STATUS CHANGE FORM

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-020

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 2314-W 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 2314-W 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 \$51,634.

Section 4: List of Attachments

Attachment A: Project Photographs of 2314-W (Pre-Demolition, During Demolition, and Post-Demolition)

Attachment B: Radiological Survey Report

Wade Woolery
DOE-RL (Print)

Wade Woolery
Signature

Feb 16, 2016
Date

FACILITY STATUS CHANGE FORM

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-020

Attachment A



2314-W Pre-Demolition

FACILITY STATUS CHANGE FORM

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-020



2314-W During Demolition

FACILITY STATUS CHANGE FORM

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-020



2314-W Post-Demolition

FACILITY STATUS CHANGE FORM

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-020

Attachment B

Radiological Survey Report

** Electrically Approved -- L-1400507 on 5/22/2014 **

CH2M HILL PLATEAU REMEDIATION COMPANY RADIOLOGICAL SURVEY REPORT (Submitted for Approval)				RSR No. L-1400507		Page 1 of 14								
Date 5/9/2014	Start/Stop Time 0700 / 1500	Area/Location 200W / Outside Areas / Construction Forces Yard / Non-Radiological Area			RWP/Rev. N/A									
Purpose of Survey: <input type="checkbox"/> Material Clearance Number: N/A Cleared to: N/A <input type="checkbox"/> Ram Shipment: N/A <input type="checkbox"/> Required Task: N/A <input type="checkbox"/> Job Coverage: N/A <input type="checkbox"/> 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 <input type="checkbox"/> 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 <input checked="" type="checkbox"/> Other: Verification				Description of Work / Comments: Construction Force Facilities PreDemo Survey Comments: Performed Verification survey with Good Radiological Practice Guidance of Construction Forces Non-Radiological Buildings, Trailers and Equipment Laydown area in 200W. Each area/building/conex entered was inspected for fugitive radioactive materials and biological vector intrusion. Structures have been abandoned and are in various states of decay and disrepair, presenting multiple hazards. Areas, buildings, conex's previously deemed "Unsafe for Entry" were premarked with Orange DOT painted X's. Areas denoted and itemized on maps were surveyed with the minimum of the following criterion: no less than 10% of surfaces scanned at 1-2"/sec, 1/4" away, focused on areas of greatest potential or that appeared suspect. Locations scanned that had indication of greater than background audible counts were static counted for no less than 5 seconds. Each building, conex, storage area entered was also smeared in no less than 4 locations by direction of RCS for possible smearable contamination.										
Contamination Measurements														
† Manually Calculated by RCT														
		Background cpm		Direct Gross cpm/100 cm ²		Total dpm/100 cm ²		Correction Factor		Removable				
										Gross (cpm)		dpm/100 cm ²		
No.	Description	$\beta\gamma$	α	$\beta\gamma$	α	$\beta\gamma$	α	$\beta\gamma$	α	Type	$\beta\gamma$	α	$\beta\gamma$	α
1	Surfaces within 2306W	250	1.2	220	1	<5000	<500	10	10	Smear	240	1	<1000	<20
2	Surfaces within 2315W	240	1.2	260	0	<5000†	<500†	10	10	Smear	240	1	<1000†	<20†
3	Exterior storage areas around 2315W	220	1.2	220	0	<5000	<500	10	10	Smear	220	1	<1000	<20
4	Surfaces within 2308W	225	1.2	220	1	<5000	<500	10	10	Smear	225	0	<1000	<20
5	Surfaces within 2307W	230	1.2	230	1	<5000	<500	10	10	Smear	230	1	<1000	<20
6	Surfaces within Conex CC2W489 and adjacent areas	260	1.2	250	0	<5000	<500	10	10	Smear	260	1	<1000	<20

Date Submitted: 05/10/2014 14:48:00

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

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: DA-BOW-020

FACILITY STATUS CHANGE FORM

** Electronically Approved - L-1400507 on 5/22/2014 **

CH2M HILL PLATEAU REMEDIATION COMPANY RADIOLOGICAL SURVEY REPORT (Submitted for Approval)										RSR No. L-1400507		Page 2 of 14			
Contamination Measurements (Continued)															
† Manually Calculated by RCT															
No.	Description	Background cpm		Direct Gross cpm/100 cm ²		Total dpm/100 cm ²		Correction Factor		Type	Removable				
		βy	α	βy	α	βy	α	βy	α		Gross (cpm)		dpm/100 cm ²		
											βy	α	βy	α	
7	Surfaces within Conex CC2W488 and adjacent 'Finishers Shop' areas	250	1.2	250	0	<5000	<500	10	10	Smear	250	1	<1000	<20	
8	Surfaces within 2304W and adjacent areas	240	1.2	240	0	<5000	<500	10	10	Smear	240	0	<1000	<20	
9	Surfaces around 2314W	265	1.2	260	0	<5000	<500	10	10	Smear	265	1	<1000	<20	
10	Surfaces within Gas Storage 2263W and adjacent areas	280	1.2	280	0	<5000	<500	10	10	Smear	280	0	<1000	<20	
11	Surfaces within Painters tent and adjacent areas	250	1.2	250	0	<5000	<500	10	10	Smear	250	1	<1000	<20	
12	Surfaces within Conex CC2W492 and adjacent areas	240	1.2	240	0	<5000	<500	10	10	Smear	240	0	<1000	<20	

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BCW-020

FACILITY STATUS CHANGE FORM

** Electronically Approved - L-1400507 on 5/22/2014 **

CH2M HILL PLATEAU REMEDIATION COMPANY RADIOLOGICAL SURVEY REPORT (Submitted for Approval)	RSR No. L-1400507	Page 3 of 14
--	------------------------------	---------------------

Map/Sketch



Map Name: 200W construction trailer		Map Description: 2306W	
Legend	<input checked="" type="checkbox"/> Direct Measurement	<input checked="" type="checkbox"/> Air Sample	<input checked="" type="checkbox"/> Smear
	<input checked="" type="checkbox"/> LAW	<input checked="" type="checkbox"/> Neutron Dose Rate	<input checked="" type="checkbox"/> Transferability
	<input checked="" type="checkbox"/> Field	<input checked="" type="checkbox"/> Contact	<input checked="" type="checkbox"/> Other Distance
	<input checked="" type="checkbox"/> Other Measurement	----- (designation inside) ----- Radiological Area Boundary	
			Note: Dose Rates in mrem/hr unless otherwise noted.

Date Submitted: 05/10/2014 14:48:00

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

Date Submitted: 5/28/2015	Area: 200 West Area	Control Number: D4-BOW-020
----------------------------------	----------------------------	-----------------------------------

FACILITY STATUS CHANGE FORM

** Electronically Approved - L-1400507 on 5/22/2014 **

CH2M HILL PLATEAU REMEDIATION COMPANY RADIOLOGICAL SURVEY REPORT (Submitted for Approval)	RSR No. L-1400507	Page 4 of 14
--	----------------------	--------------

Map/Sketch



Map Name: 200W Construction Trailer	Map Description: 2315W, adjacent pad
Legend	<input type="checkbox"/> Direct Measurement <input type="checkbox"/> Air Sample <input type="checkbox"/> Smear <input type="checkbox"/> LAW <input type="checkbox"/> Neutron Dose Rate <input type="checkbox"/> Transferability <input type="checkbox"/> Field <input type="checkbox"/> Contact <input type="checkbox"/> Other Distance <input type="checkbox"/> Other Measurement
----- (designation inside) ----- Radiological Area Boundary	
Note: Dose Rates in mrem/hr unless otherwise noted.	

Date Submitted: 05/10/2014 14:48:00

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

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-020

FACILITY STATUS CHANGE FORM

** Electronically Approved – L-1400507 on 5/22/2014 **

CH2M HILL PLATEAU REMEDIATION COMPANY RADIOLOGICAL SURVEY REPORT (Submitted for Approval)	RSR No. L-1400507	Page 5 of 14
--	----------------------	--------------

Map/Sketch



Map Name: 200W Construction Trailer	Map Description: 2308W, 2307W																						
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th style="width:10%;">Legend</th> <td style="width:10%;"># Direct Measurement</td> <td style="width:10%;">▲ Air Sample</td> <td style="width:10%;">⊕ Smear</td> <td style="width:10%;">L# LAW</td> <td style="width:10%;">◆ Neutron Dose Rate</td> <td style="width:10%;">T# Transferability</td> <td style="width:10%;">F# Field</td> <td style="width:10%;">C# Contact</td> <td style="width:10%;"># Other Distance</td> <td style="width:10%;">⊙ Other Measurement</td> </tr> <tr> <td></td> <td colspan="9" style="text-align: center;">----- (designation inside) ----- Radiological Area Boundary</td> <td style="font-size: small;">Note: Dose Rates in mrem/yr unless otherwise noted.</td> </tr> </table>		Legend	# Direct Measurement	▲ Air Sample	⊕ Smear	L# LAW	◆ Neutron Dose Rate	T# Transferability	F# Field	C# Contact	# Other Distance	⊙ Other Measurement		----- (designation inside) ----- Radiological Area Boundary									Note: Dose Rates in mrem/yr unless otherwise noted.
Legend	# Direct Measurement	▲ Air Sample	⊕ Smear	L# LAW	◆ Neutron Dose Rate	T# Transferability	F# Field	C# Contact	# Other Distance	⊙ Other Measurement													
	----- (designation inside) ----- Radiological Area Boundary									Note: Dose Rates in mrem/yr unless otherwise noted.													

Date Submitted: 05/10/2014 14:48:00

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

FACILITY STATUS CHANGE FORM

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: DA-BOW-020

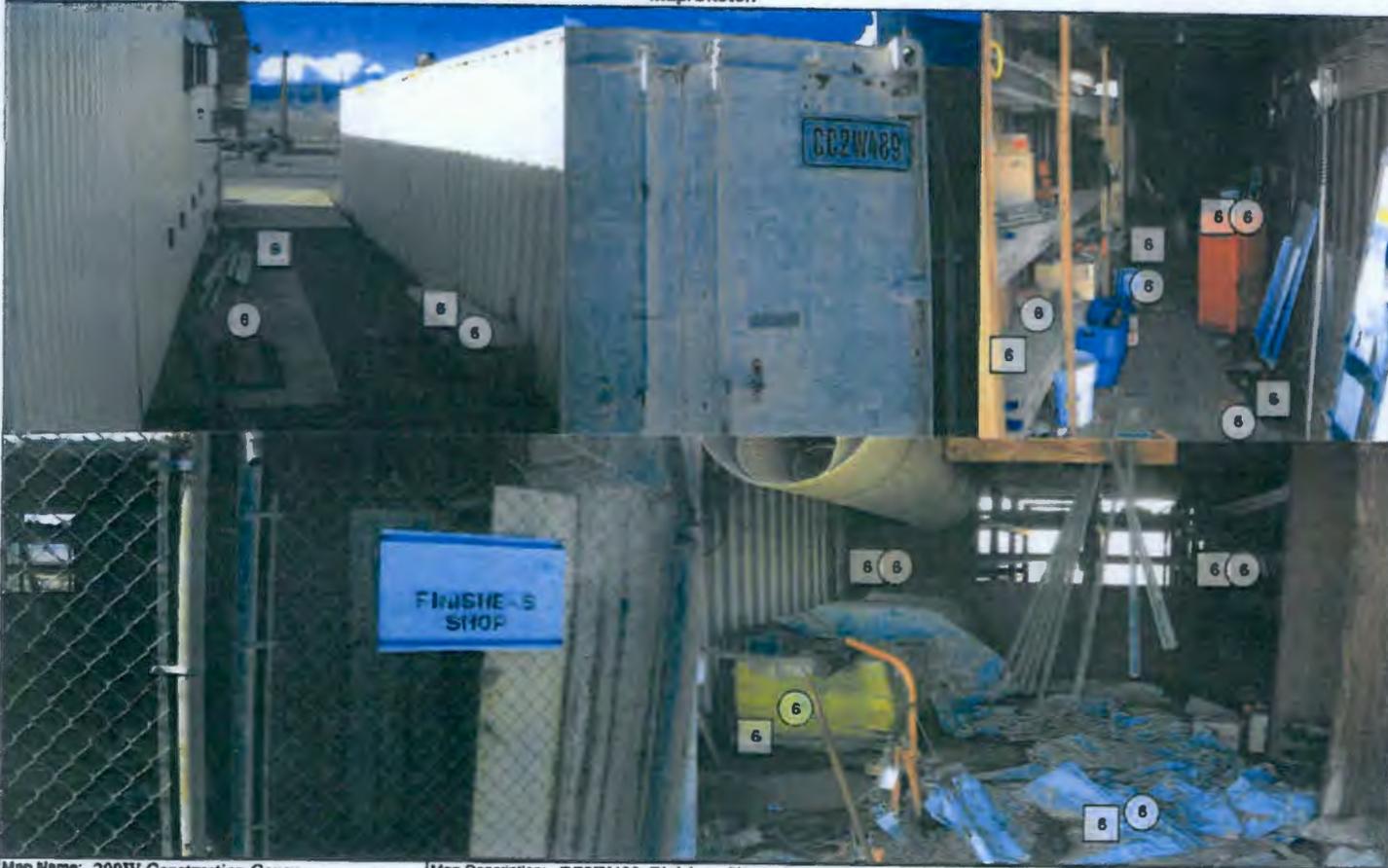
** Electronically Approved – L-1400507 on 5/22/2014 **

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

RSR No.
L-1400507

Page 6 of 14

Map/Sketch



Map Name: 200W Construction Conex

Map Description: CC2W489, Finishers Shop

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 14:48:00

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

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-020

FACILITY STATUS CHANGE FORM

** Electronically Approved – L-1400507 on 5/22/2014 **:

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

RSR No.
L-1400507

Page 7 of 14

Map/Sketch



Map Name: 200W Construction Trailer/Conex

Map Description: Outside storage areas

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 14:48:00

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

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-020

FACILITY STATUS CHANGE FORM

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

**RSR No.
L-1400507**

Page 8 of 14

Map/Sketch



Map Name: 200W Construction Trailer/conex

Map Description: Backside outside storage areas

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 14:48:00

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

FACILITY STATUS CHANGE FORM

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-020

** Electronically Approved – L-1400507 on 5/22/2014 **:

CH2M HILL PLATEAU REMEDIATION COMPANY RADIOLOGICAL SURVEY REPORT (Submitted for Approval)	RSR No. L-1400507	Page 9 of 14																						
Map/Sketch																								
Map Name: 200W Construction Trailer		Map Description: 2304W																						
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 10%;">Legend</td> <td style="width: 15%;"># Direct Measurement</td> <td style="width: 15%;">▲ Air Sample</td> <td style="width: 15%;">⊕ Smear</td> <td style="width: 15%;"># LAW</td> <td style="width: 15%;">◆ Neutron Dose Rate</td> <td style="width: 15%;">T# Transferability</td> <td style="width: 15%;">F# Field</td> <td style="width: 15%;">⊙ Contact</td> <td style="width: 15%;"># Other Distance</td> <td style="width: 15%;">⊕ Other Measurement</td> </tr> <tr> <td colspan="6" style="text-align: center;"> ----- (designation inside) ----- Radiological Area Boundary </td> <td colspan="5" style="text-align: right;"> Note: Dose Rates in mrem/hr unless otherwise noted. </td> </tr> </table>			Legend	# Direct Measurement	▲ Air Sample	⊕ Smear	# LAW	◆ Neutron Dose Rate	T# Transferability	F# Field	⊙ Contact	# Other Distance	⊕ Other Measurement	----- (designation inside) ----- Radiological Area Boundary						Note: Dose Rates in mrem/hr unless otherwise noted.				
Legend	# Direct Measurement	▲ Air Sample	⊕ Smear	# LAW	◆ Neutron Dose Rate	T# Transferability	F# 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 14:48:00

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

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-020

FACILITY STATUS CHANGE FORM

Map/Sketch



Map Name: 200W Construction Trailer

Map Description: Outside 2304W, outside storage, and buildings not surveyed

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 14:48:00

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

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-020

FACILITY STATUS CHANGE FORM

Electronically Approved - L-1400507 on 5/22/2014

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

RSR No.
L-1400507

Page 11 of 14

Map/Sketch



Map Name: 200W Construction Storage areas

Map Description: 2263W and Outside storage areas

Legend

#	Direct Measurement	▲	Air Sample	⊕	Smear	#	LAW	◆	Neutron Dose Rate	T#	Transferability	F#	Field	C#	Contact	D#	Other Distance	M#	Other Measurement
---	--------------------	---	------------	---	-------	---	-----	---	-------------------	----	-----------------	----	-------	----	---------	----	----------------	----	-------------------

----- (designation inside) ----- Radiological Area Boundary

Note: Dose Rates in mrem/hr unless otherwise noted.

Date Submitted: 05/10/2014 14:48:00

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

FACILITY STATUS CHANGE FORM

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: DA-BOW-020

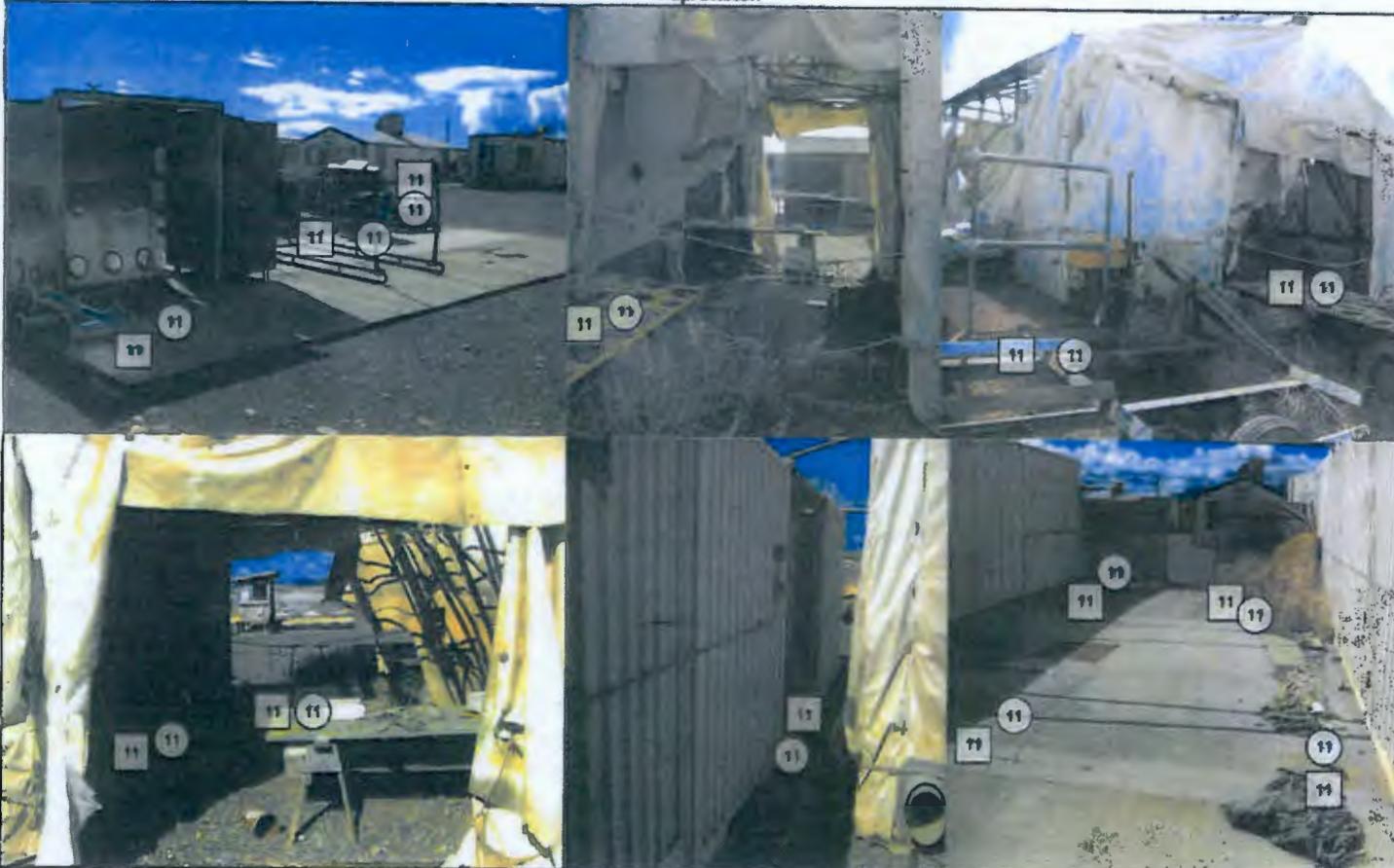
** Electronically Approved – L-1400507 on 5/22/2014 **:

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

RSR No.
 L-1400507

Page 12 of 14

Map/Sketch



Map Name: 200W Construction Trailer/work areas

Map Description: Outside storage pads and tented prep shop

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 14:48:00

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

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-020

FACILITY STATUS CHANGE FORM

** Electronically Approved – L-1400507 on 5/22/2014 **

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

**RSR No.
L-1400507**

Page 13 of 14

Map/Sketch



Map Name: Construction Forces Laydown area

Map Description: context CC2W492

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 14:48:00

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

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-020

FACILITY STATUS CHANGE FORM

** Electronically Approved - L-1400507 on 5/22/2014 **:

CH2M HILL PLATEAU REMEDIATION COMPANY RADIOLOGICAL SURVEY REPORT (Submitted for Approval)		RSR No. L-1400507	Page 14 of 14
Instruments			
Instrument Type	Bar Code No.	Probe Bar Code No.	Efficiency (Used)
LUDLUM 2360	SCLL8-0422	DTLLP-0530	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-155 are ≤ 10 times the b-g contamination levels shown above (see CHPRC-00073, Table 2-2).			
History			
2014-05-10 14:49:42 - Myers, Steven - Submitted			
2014-05-21 05:49:51 - Myers, Steven - Submitted: unknown submission error. resubmitted.			

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-020

FACILITY STATUS CHANGE FORM

FACILITY STATUS CHANGE FORM

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-020

*** Electronically Approved – L-1400507 on 5/22/2014 ***

User: MYERS, STEVEN (H7301859)
Title: Contributor
Date: Wednesday, May 21, 2014, 5:49 AM Pacific Standard Time
=====

User: KLEKAR, SCOTT (H0099867)
Title: Contributor
Date: Thursday, May 22, 2014, 7:23 AM Pacific Standard Time
=====

User: SIMS, MARK (H0003931)
Title: Reviewer
Date: Thursday, May 22, 2014, 7:55 AM Pacific Standard Time
=====

ATTACHMENT 13

**FACILITY STATUS CHANGE FORMS FOR 2315-W
D4-BOW-021**

Consisting of 21 pages,
including this cover page

FACILITY STATUS CHANGE FORM

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-21

Originator: Brett M. Barnes

Facility ID: 2315-W

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.

2315-W was a corrugated sheet metal covered structure used for flammable material storage. This facility was used by Engineering, Project, and Construction forces.

Demolition of 2315-W was performed during September 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 2315-W:

- 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 2315-W structure is estimated to weigh approximately 20 tons.
- Friable asbestos was removed from a steamline, packaged, and disposed of using approved methods before demolishing the structure. Asbestos sampling of the structure indicated that no nonfriable asbestos was present.
- 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*, as amended.
- 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).

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 2315-W will not be a documented or potential waste site. Facility demolished, remaining concrete slab left in place. Visual inspection of the underlying soil

FACILITY STATUS CHANGE FORM

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-21

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 2315-W 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 \$28,164.

Section 4: List of Attachments

Attachment A: Project Photographs of 2315-W (Pre-Demolition and Post-Demolition)

Attachment B: Radiological Survey Report

Wade Woolery
DOE-RL (Print)

Wade Woolery
Signature

Feb 16, 2016
Date

FACILITY STATUS CHANGE FORM

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-21

Attachment A



2315-W Pre-Demolition

FACILITY STATUS CHANGE FORM

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-21



2315-W Post-Demolition

FACILITY STATUS CHANGE FORM

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-21

Attachment B

Radiological Survey Report

** Electronically Approved - L-1400507 on 5/22/2014 **

CH2M HILL PLATEAU REMEDIATION COMPANY RADIOLOGICAL SURVEY REPORT (Submitted for Approval)		RSR No. L-1400507	Page 1 of 14
--	--	-----------------------------	--------------

Date 5/9/2014	Start/Stop Time 0700 / 1500	Area/Location 200W / Outside Areas / Construction Forces Yard / Non-Radiological Area	RWP/Rev N/A
-------------------------	---------------------------------------	---	-----------------------

Purpose of Survey: <input type="checkbox"/> Material Clearance Number: N/A Cleared to: N/A Rem Shipment: N/A <input type="checkbox"/> Required Test: N/A <input type="checkbox"/> Job Coverage: N/A <input type="checkbox"/> Verification survey $a = <D$ <D=No increase in audible count rate <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>N/A</td><td>Inches/Sec</td><td>N/A</td><td>Inches Away</td></tr> <tr><td>N/A</td><td>Count Time (Sec.)</td><td>N/A</td><td>% Surveyed</td></tr> <tr><td>N/A</td><td># of Static Counts</td><td>N/A</td><td>Square Feet</td></tr> </table> <input type="checkbox"/> Verification survey $\beta y = <D$ <D=No increase in audible count rate <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>N/A</td><td>Inches/Sec</td><td>N/A</td><td>Inches Away</td></tr> <tr><td>N/A</td><td>Count Time (Sec.)</td><td>N/A</td><td>% Surveyed</td></tr> <tr><td>N/A</td><td># of Static Counts</td><td>N/A</td><td>Square Feet</td></tr> </table> <input checked="" type="checkbox"/> Other: Verification	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	Description of Work / Comments Construction Force Facilities PreDemo Survey Comments: Performed Verification survey with Good Radiological Practice Guidance of Construction Forces Non-Radiological Buildings, Trailers and Equipment Laydown area in 200W. Each Area/Building/Conex entered was inspected for fugitive radioactive materials and biological vector intrusion. Structures have been abandoned and are in various states of decay and disrepair, presenting multiple hazards. Areas, buildings, conex's previously deemed "Unsafe for Entry" were premarked with Orange DGT painted X's. Areas denoted and itemized on maps were surveyed with the minimum of the following criterion: no less than 10" of surfaces scanned at 1-2"/sec, 1/4" away, focused on areas of greatest potential or that appeared suspect. Locations scanned that had indication of greater than background audible counts were static counted for no less than 5 seconds. Each building, conex, storage area entered was also smeared in no less than 4 locations by direction of PCS for possible smearable contamination.
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																						

		Contamination Measurements													
		↑ Manually Calculated by RGT													
No	Description	Background cpm		Direct Gross cpm/100 cm ²		Total cpm/100 cm ²		Correction Factor		Remarks					
		βy	α	βy	α	βy	α	βy	α	Type	βy	α	βy	α	
1	Surfaces within 2306W	250	1.2	220	1	<5000	<500	10	10	Smear	240	1	<1000	<20	
2	Surfaces within 2315W	240	1.2	260	0	<5000	<500	10	10	Smear	240	1	<1000	<20	
3	Exterior storage areas around 2315W	220	1.2	220	0	<5000	<500	10	10	Smear	220	1	<1000	<20	
4	Surfaces within 2308W	225	1.2	220	1	<5000	<500	10	10	Smear	225	0	<1000	<20	
5	Surfaces within 2307W	230	1.2	230	1	<5000	<500	10	10	Smear	230	1	<1000	<20	
6	Surfaces within Conex 000W489 and adjacent areas	260	1.2	250	0	<5000	<500	10	10	Smear	260	1	<1000	<20	

Date Submitted: 05/10/2014 14:48:09

A-6004-663-S5 (Rev 4)

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-21

FACILITY STATUS CHANGE FORM

** Electronically Approved - L-1400507 on 5/22/2014 **

CH2M HILL PLATEAU REMEDIATION COMPANY RADIOLOGICAL SURVEY REPORT (Submitted for Approval)					RSR No. L-1400507					Page 2 of 14				
Contamination Measurements (Continued)														
† 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	
		By	a	By	a	By	a	By	a		By	a	By	a
7	Surfaces within Conex 002W468 and adjacent 'Finishers Shop' areas	250	1.2	250	0	<5000	<500	10	10	Smear	250	1	<1000	<20
8	Surfaces within 2304W and adjacent areas	240	1.2	240	0	<5000	<500	10	10	Smear	240	0	<1000	<20
9	Surfaces around 2314W	265	1.2	260	0	<5000	<500	10	10	Smear	265	1	<1000	<20
10	Surfaces within Gas Storage 2262W and adjacent areas	280	1.2	280	0	<5000	<500	10	10	Smear	280	0	<1000	<20
11	Surfaces within Painters tent and adjacent areas	250	1.2	250	0	<5000	<500	10	10	Smear	250	1	<1000	<20
12	Surfaces within Conex 002W492 and adjacent areas	240	1.2	240	0	<5000	<500	10	10	Smear	240	0	<1000	<20

FACILITY STATUS CHANGE FORM

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-21

Date Submitted: 05/10/2014 14:48:00

A-6006-677-SS (Rev. 4)

** Electronically Approved - L-1400507 on 5/22/2014 **

CH2M HILL PLATEAU REMEDIATION COMPANY RADIOLOGICAL SURVEY REPORT (Submitted for Approval)	RSR No. L-1400507	Page 3 of 14
--	----------------------	--------------

Map/Sketch



Map Name: 200W construction trailer	Map Description: 2306W
Legend	<input type="checkbox"/> Direct Measurement <input type="checkbox"/> Air Sample <input type="checkbox"/> Smear <input type="checkbox"/> LAW <input type="checkbox"/> Neutron Dose Rate <input type="checkbox"/> Transferability <input type="checkbox"/> Field <input type="checkbox"/> Contact <input type="checkbox"/> Other Distance <input type="checkbox"/> Other Measurement
----- (designated inside) ----- Radiological Area Boundary	
Note: Dose Rates in mrem/hr unless otherwise noted.	

Date Submitted: 05/10/2014 14:48:00

A-6(14-06)-SS (Rev. 4)

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-B0W-21

FACILITY STATUS CHANGE FORM

** Electronically Approved - L-1400507 on 5/22/2014 **

CH2M HILL PLATEAU REMEDIATION COMPANY RADIOLOGICAL SURVEY REPORT (Submitted for Approval)	RSR No. L-1400507	Page 4 of 14
--	----------------------	--------------

Map/Sketch



Map Name: 200W Construction Trailer	Map Description: 2315W, adjacent pad
Legend <input type="checkbox"/> Direct Measurement <input type="checkbox"/> Air Sample <input type="checkbox"/> Smear <input type="checkbox"/> LAW <input type="checkbox"/> Neutron Dose Rate <input type="checkbox"/> Transferability <input type="checkbox"/> Field <input type="checkbox"/> Contact <input type="checkbox"/> Other Distance <input type="checkbox"/> Other Measurement	
----- (designation inside) ----- Radiological Area Boundary Note: Dose Rates in mrem/hr unless otherwise noted.	

Date Submitted: 05/10/2014 14:48:00

A-6004-663-SS (Rev 4)

Date Submitted: 5/28/2015	Area: 200 West Area	Control Number: D4-BOW-21
---------------------------	---------------------	---------------------------

FACILITY STATUS CHANGE FORM

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-21

FACILITY STATUS CHANGE FORM

*** Electronically Approved - L-1400507 on 5/22/2014 ***

CH2M HILL PLATEAU REMEDIATION COMPANY RADIOLOGICAL SURVEY REPORT (Submitted for Approval)	RSR No. L-1400507	Page 5 of 14
--	----------------------	--------------

Map/Sketch



Map Name: 200W Construction Trailer	Map Description: 2308W, 2307W
Legend	<input checked="" type="checkbox"/> Direct Measurement <input checked="" type="checkbox"/> Air Sample <input checked="" type="checkbox"/> Sensor <input checked="" type="checkbox"/> LAW <input checked="" type="checkbox"/> Neutron Dose Rate <input checked="" type="checkbox"/> Transferability <input checked="" type="checkbox"/> Field <input checked="" type="checkbox"/> Contact <input checked="" type="checkbox"/> Other Distance <input checked="" type="checkbox"/> Other Measurement
----- (designation inside) ----- Radiological Area Boundary	
Note: Dose Rates in mrem/hr unless otherwise noted.	

Date Submitted: (5/10/2014 14:48:00)

A-6004-663-SS (Rev) 41

** Electronically Approved - L-1400507 on 5/22/2014 **

CH2M HILL PLATEAU REMEDIATION COMPANY RADIOLOGICAL SURVEY REPORT (Submitted for Approval)	RSR No. L-1400507	Page 6 of 14
--	------------------------------	--------------

Map/Sketch



Map Name: 200W Construction Cones		Map Description: CC2W489, Finishers Shop									
Legend	Dred 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 14:48:00

A-6006-677-SS (Rev 4)

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-21

FACILITY STATUS CHANGE FORM

** Electronically Approved - L-1400507 on 5/22/2014 **

CH2M HILL PLATEAU REMEDIATION COMPANY RADIOLOGICAL SURVEY REPORT (Submitted for Approval)	RSR No. L-1400507	Page 7 of 14
--	----------------------	--------------

Map/Sketch



Map Name: 200W Construction Trailer/Conex	Map Description: Outside storage areas
Legend <input type="checkbox"/> Direct Measurement <input type="checkbox"/> Air Sample <input type="checkbox"/> Smear <input type="checkbox"/> LAW <input type="checkbox"/> Newton Dose Rate <input type="checkbox"/> Transferability <input type="checkbox"/> Field <input type="checkbox"/> Contact <input type="checkbox"/> Other (Distance) <input type="checkbox"/> Other Measurement	----- (designating inside) ----- Radiological Area Boundary Note: Dose Rates in mrem/hr unless otherwise noted.

Date Submitted: 05/10/2014 14:48:00

A-6004-603-SS (Rev 4)

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-21

FACILITY STATUS CHANGE FORM

CH2M HILL PLATEAU REMEDIATION COMPANY RADIOLOGICAL SURVEY REPORT (Submitted for Approval)	RSR No. L-1400507	Page 8 of 14
--	----------------------	--------------



Map Name: 200W Construction Trailer/conex		Map Description: Backside outside storage areas								
Legend	Direct Measurement	Air Sample	Smear	LAW	Neutron Dose Rate	Transferability	Field	Contact	Other Distance	Other Measurement
----- (designation made) ----- Radiological Area Boundary					Note: Dose Rates in mrem/hr unless otherwise noted.					

Date Submitted: 05/10/2014 14:48:00

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

FACILITY STATUS CHANGE FORM

Date Submitted: 5/28/2015 Area: 200 West Area Control Number: D4-BOW-21

** Electronically Approved - L-1400507 on 5/22/2014 **

CH2M HILL PLATEAU REMEDIATION COMPANY RADIOLOGICAL SURVEY REPORT (Submitted for Approval)	RSR No. L-1400507	Page 9 of 14
--	------------------------------	--------------

Map/Sketch



Map Name: 200W Construction Trailer		Map Description: 2304W								
Legend	Dial Measurement	Air Sample	Survey	LAW	Neutron Dose Rate	Transferability	Field	Contact	Other Distance	Other Measurement
----- (designated inside) ----- Radiological Area Boundary										
Note: Dose Rates in mrem/hr unless otherwise noted.										

Date Submitted: 05/10/2014 14:48:00

A-6008-677-SS (Rev. 4)

FACILITY STATUS CHANGE FORM		
Date Submitted: 5/28/2015	Area: 200 West Area	Control Number: D4-BOW-21

** Electronically Approved - L-1400507 on 5/22/2014 **

CH2M HILL PLATEAU REMEDIATION COMPANY RADIOLOGICAL SURVEY REPORT (Submitted for Approval)	RSR No. L-1400507	Page 10 of 14
--	------------------------------	---------------

Map/Sketch



Map Name: 200W Construction Trailer	Map Description: Outside 230W, outside storage, and buildings not surveyed	
Legend	<input type="checkbox"/> Direct Measurement <input type="checkbox"/> Air Sample <input type="checkbox"/> Snow <input type="checkbox"/> LAW <input type="checkbox"/> Neutron Dose Rate <input type="checkbox"/> Transmissibility <input type="checkbox"/> Field <input type="checkbox"/> Contact <input type="checkbox"/> Other Distance <input type="checkbox"/> Other Measurement	Note: Dose Rates in mrem/hr unless otherwise noted.
----- (designated area) -----		Radiological Area Boundary

Date Submitted: 05/10/2014 14:48:00

A-6(04-06)-SS (Rev 4)

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-21

FACILITY STATUS CHANGE FORM

** Electronically Approved - L-1400507 on 5/22/2014 **

CH2M HILL PLATEAU REMEDIATION COMPANY RADIOLOGICAL SURVEY REPORT (Submitted for Approval)	RSR No. Σ-1400507	Page 11 of 14
--	-----------------------------	---------------

Map/Sketch



Map Name: 200W Construction Storage areas	Map Description: 226JW and Outside storage areas
Legend [M] Direct Measurement [A] Air Sample [S] Sensor [L] LAW [N] Neutron Dose Rate [T] Transmissibility [F] Field [C] Contact [D] Other Distance [O] Other Measurement ----- (designation made) ----- Radiological Area Boundary Note: Dose Rates in $\mu\text{R/hr}$ unless otherwise noted.	

Date Submitted: 05/10/2014 14:48:00

A-6104-06J-SS (Rev. 4)

FACILITY STATUS CHANGE FORM

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-21

** Electronically Approved - L-1400507 on 5/23/2014 **

CH2M HILL PLATEAU REMEDIATION COMPANY RADIOLOGICAL SURVEY REPORT (Submitted for Approval)	RSR No. L-1400507	Page 12 of 14
--	----------------------	---------------

Map/Sketch



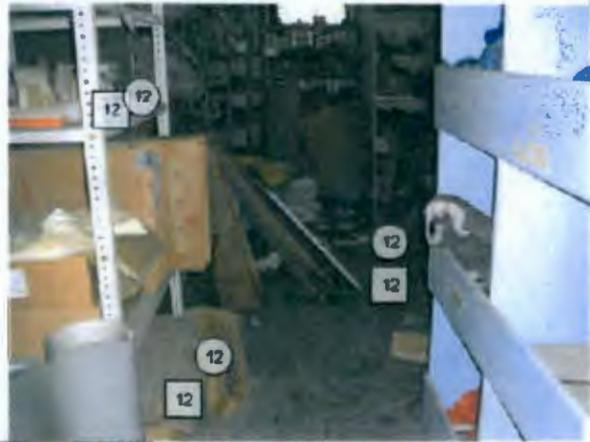
Map Name: 200W Construction Trailer/work area	Map Description: Outside storage pads and tented prep shop
Legend	<input type="checkbox"/> Direct Measurement <input type="checkbox"/> Air Sample <input type="checkbox"/> Smear <input type="checkbox"/> LAW <input type="checkbox"/> Neutron Dose Rate <input type="checkbox"/> Transferability <input type="checkbox"/> Field <input type="checkbox"/> Contact <input type="checkbox"/> Other Distance <input type="checkbox"/> Other Measurement
----- (designated inside) -----	----- Radiological Area Boundary -----
Date Submitted: 05/10/2014 14:48:00	A-6(014-663-SS (Rev 4)

Date Submitted: 5/28/2015	Area: 200 West Area	FACILITY STATUS CHANGE FORM
Control Number: D4-BOW-21		

** Electronically Approved -- L-1400507 on 5/22/2014 **

CH2M HILL PLATEAU REMEDIATION COMPANY RADIOLOGICAL SURVEY REPORT (Submitted for Approval)	RSR No. L-1400507	Page 13 of 14
--	-----------------------------	---------------

Map/Sketch



Map Name: Construction Forces Laydown area		Map Description: conex CC2W492								
Legend	Direct Measurement	Air Sample	Smear	LAW	Neutron Dose Rate	Transferability	Field	Contact	Other Distance	Other Measurement
	----- (designation made) -----						----- Radiological Area Boundary -----			

Date Submitted: 05/10/2014 14:48:00

A-6006-877-SS (Rev. 4)

FACILITY STATUS CHANGE FORM

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-21

** Electronically Approved - L-1400507 on 5/22/2014 **

CH2M HILL PLATEAU REMEDIATION COMPANY RADIOLOGICAL SURVEY REPORT (Submitted for Approval)		RSR No. L-1400507	Page 14 of 14
Instruments			
Instrument Type	Bar Code No.	Probe Bar Code No.	Efficiency (Used)
LUDLUM 2360	SCLL8-0422	DTLLP-0530	00.1 00.1
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 Pu-155 are ≤ 10 times the b-g contamination levels shown above (see CHPRC-00073, Table 2-2).			
History			
2014-05-10 14:49:42 - Myers, Steven - Submitted			
2014-05-21 08:49:51 - Myers, Steven - Submitted: unknown submission error. resubmitted.			

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-21

FACILITY STATUS CHANGE FORM

Date Submitted: 05/19/2014 14:48:00

A-6004-663-SS (Rev 4)

FACILITY STATUS CHANGE FORM

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-21

*** Electronically Approved - L-1400507 on 5/22/2014 ***

User: MYERS, STEVEN (H7301859)
Title: Contributor
Date: Wednesday, May 21, 2014, 5:49 AM Pacific Standard Time
=====

User: KLEKAR, SCOTT (H0099067)
Title: Contributor
Date: Thursday, May 22, 2014, 7:23 AM Pacific Standard Time
=====

User: SIMS, MARK (H0003931)
Title: Reviewer
Date: Thursday, May 22, 2014, 7:55 AM Pacific Standard Time
=====

ATTACHMENT 14

**FACILITY STATUS CHANGE FORMS FOR 2318-W
D4-BOW-023**

Consisting of 20 pages,
including this cover page

FACILITY STATUS CHANGE FORM

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-023

Originator: Brett M. Barnes

Facility ID: 2318-W

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.

2318-W consisted of a skid-mounted single-wide structure, used primarily for administrative support, and additional Conex boxes in close proximity to support paint operations. This facility was used by Engineering, Project, and Construction forces.

Demolition of 2318-W 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 2318-W:

- 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 2318-W structure is estimated to weigh approximately 80 tons.
- Asbestos sampling of the structure 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.

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 soil beneath 2318-W is a Waste Information Data System (WIDS) site (WIDS site number 200-W-6). This WIDS site is assigned to the 200-WA-1 Operable Unit. Post-demolition radiological surveys of

FACILITY STATUS CHANGE FORM

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-023

the underlying soils did not detect the presence of radiological contamination. Facility demolished, remaining concrete slab left in place.

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

The area surrounding 2318-W was researched for additional potential waste sites. No additional 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 \$19,558.

Section 4: List of Attachments

Attachment A: Project Photographs of 2318-W (Pre-Demolition, During Demolition, and Post-Demolition)

Attachment B: Radiological Survey Report

Wade Wapler
DOE-RL (Print)

[Signature]
Signature

Feb 16, 2016
Date

FACILITY STATUS CHANGE FORM

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-023

Attachment A



2318-W Pre-Demolition



2318-W During Demolition

FACILITY STATUS CHANGE FORM

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-023



2318-W Post-Demolition

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

CH2M HILL PLATEAU REMEDIATION COMPANY RADIOLOGICAL SURVEY REPORT (Submitted for Approval)		RSR No. L-1400509	Page 1 of 13																								
Date 5/9/2014	Start/Stop Time 0600 / 1630	Area/Location 200W / Outside Areas / N/A / 200W Construction Shop Complex, north of 19th St	RWP/Rev. N/A																								
Purpose of Survey: <input type="checkbox"/> Material Clearance Number: N/A Cleared to: N/A <input type="checkbox"/> Ram Shipment: N/A <input type="checkbox"/> Required Task: N/A <input type="checkbox"/> Job Coverage: N/A <input type="checkbox"/> Verification survey $\alpha = <D$ <D=No increase in audible count rate <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>N/A</td><td>Inches/Sec.</td><td>N/A</td><td>Inches Away</td></tr> <tr><td>N/A</td><td>Count Time (Sec.)</td><td>N/A</td><td>% Surveyed</td></tr> <tr><td>N/A</td><td># of Static Counts</td><td>N/A</td><td>Square Feet</td></tr> </table> <input type="checkbox"/> Verification survey $\beta y = <D$ <D=No increase in audible count rate <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>N/A</td><td>Inches/Sec.</td><td>N/A</td><td>Inches Away</td></tr> <tr><td>N/A</td><td>Count Time (Sec.)</td><td>N/A</td><td>% Surveyed</td></tr> <tr><td>N/A</td><td># of Static Counts</td><td>N/A</td><td>Square Feet</td></tr> </table> <input checked="" type="checkbox"/> Other: Good practice surveys of non-radiological structures.		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	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.	
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																								

Contamination Measurements

No.	Description	↑ Manually Calculated by RCT													
		Background cpm		Direct Gross cpm/100 cm ²		Total dpm/100 cm ²		Correction Factor		Type	Removable				
		βy	α	βy	α	βy	α	βy	α		Gross (cpm)		dpm/100 cm ²		
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-023

Attachment B

Radiological Survey Report

FACILITY STATUS CHANGE FORM

CH2M HILL PLATEAU REMEDIATION COMPANY RADIOLOGICAL SURVEY REPORT (Submitted for Approval)								RSR No. L-1400509				Page 2 of 13			
Contamination Measurements (Continued)															
† Manually Calculated by RCT															
No.	Description	Background cpm		Direct Gross cpm/100 cm ²		Total dpm/100 cm ²		Correction Factor		Type	Removable				
		βy	α	βy	α	βy	α	βy	α		Gross (cpm)	dpm/100 cm ²			
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†	

FACILITY STATUS CHANGE FORM

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-023

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

Page 3 of 13

Map/Sketch



Map Name: MO 837

Map Description: Structure & Interior

Legend	# Direct Measurement	▲ Air Sample	⊕ Smear	# LAW	◆ Neutron Dose Rate	T# Transferability	F# Field	C# 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

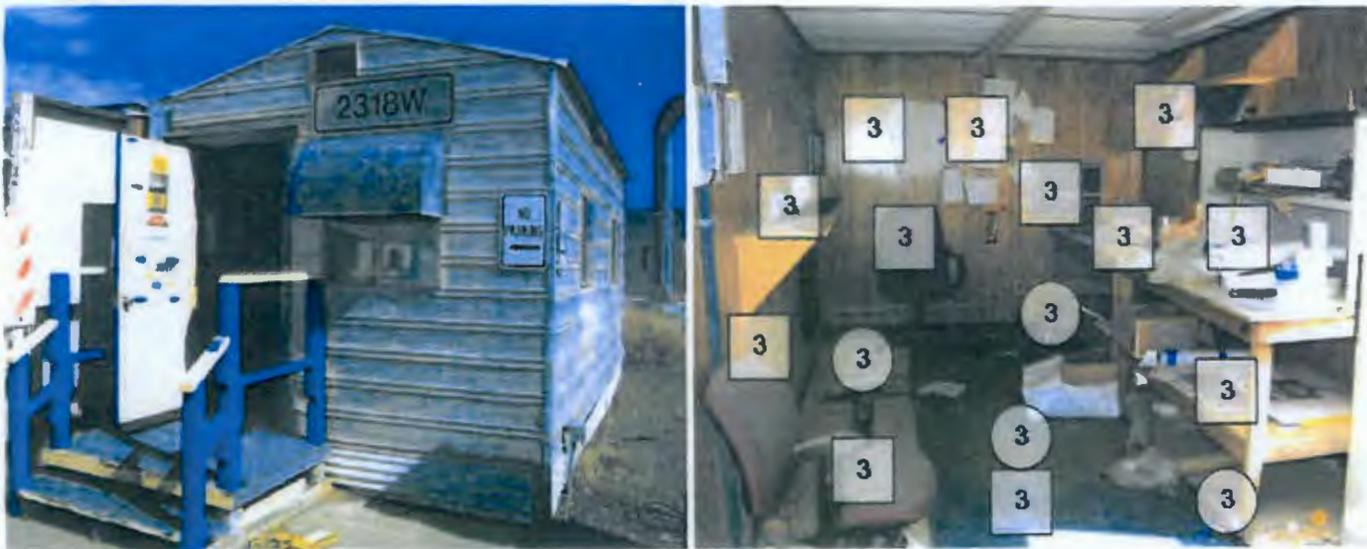
Control Number: D4-BOW-023

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 5 of 13
--	-----------------------------	--------------

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

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

Date Submitted: 5/28/2015

Area: 200 West Area

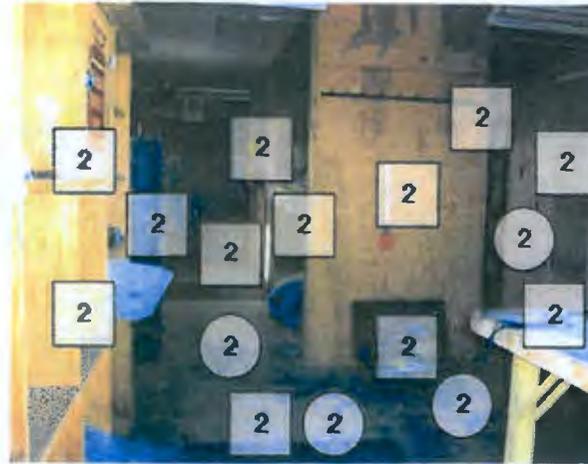
Control Number: D4-BOW-023

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 4 of 13
--	-----------------------------	--------------

Map/Sketch



Map Name: 2262W		Map Description: Structure & Interior								
Legend	<input checked="" type="checkbox"/> Direct Measurement	<input checked="" type="checkbox"/> Air Sample	<input checked="" type="checkbox"/> Smear	<input checked="" type="checkbox"/> LAW	<input checked="" type="checkbox"/> Neutron Dose Rate	<input checked="" type="checkbox"/> Transferability	<input checked="" type="checkbox"/> Field	<input checked="" type="checkbox"/> Contact	<input checked="" type="checkbox"/> Other Distance	<input checked="" type="checkbox"/> 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-023

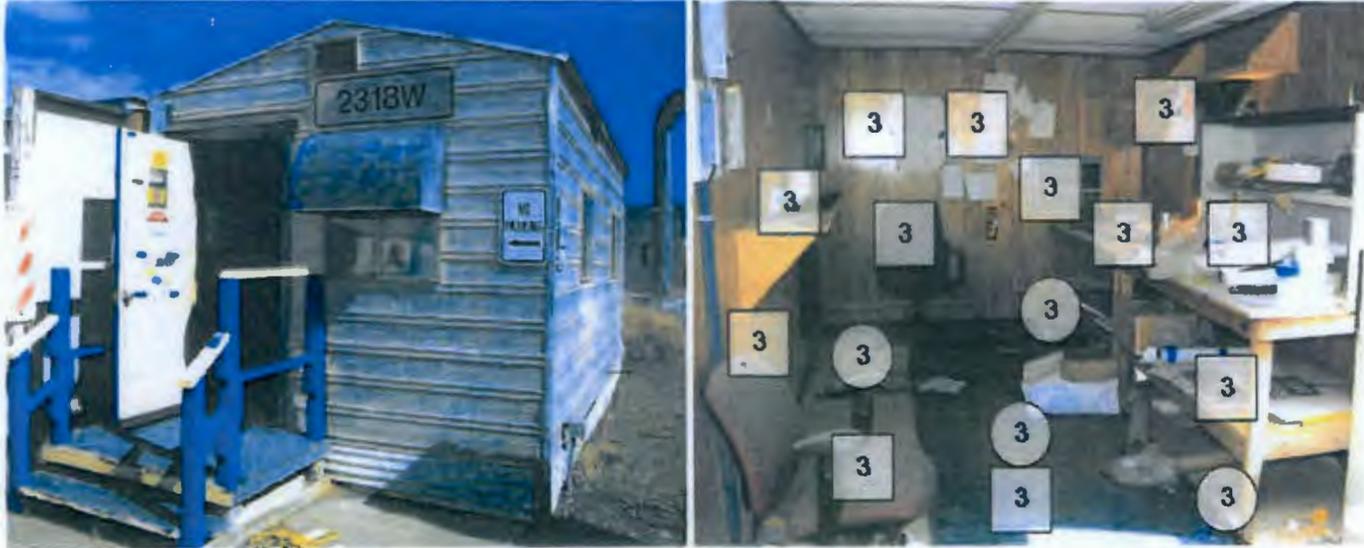
FACILITY STATUS CHANGE FORM

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

RSR No.
 L-1400509

Page 5 of 13

Map/Sketch



Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-023

FACILITY STATUS CHANGE FORM

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/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**

Page 6 of 13

Map/Sketch



Map Name: Connex CC2W495

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

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

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-023

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 7 of 13

Map/Sketch



Map Name: Connex CC2W494

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

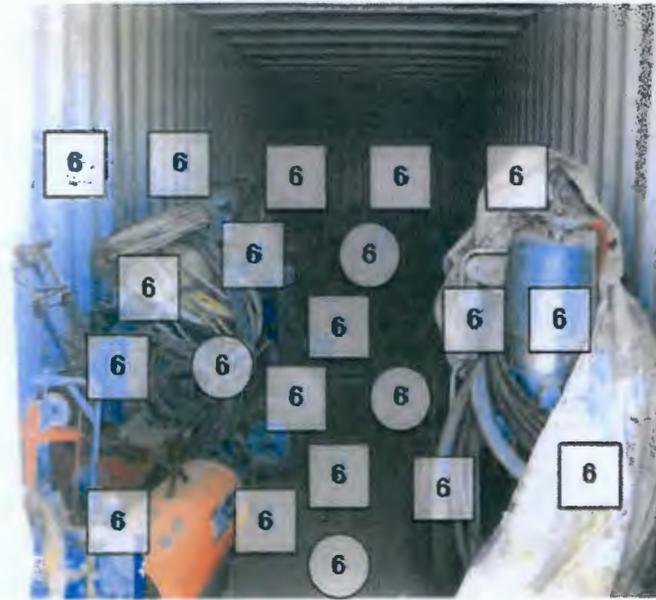
Control Number: D4-BOW-023

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 8 of 13
--	-----------------------------	--------------

Map/Sketch



Map Name: Connex CC2W493		Map Description: Structure & Interior								
Legend	Direct Measurement	Air Sample	Smear	LAW	Neutron Dose Rate	T# Transferability	F# Field	C# 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

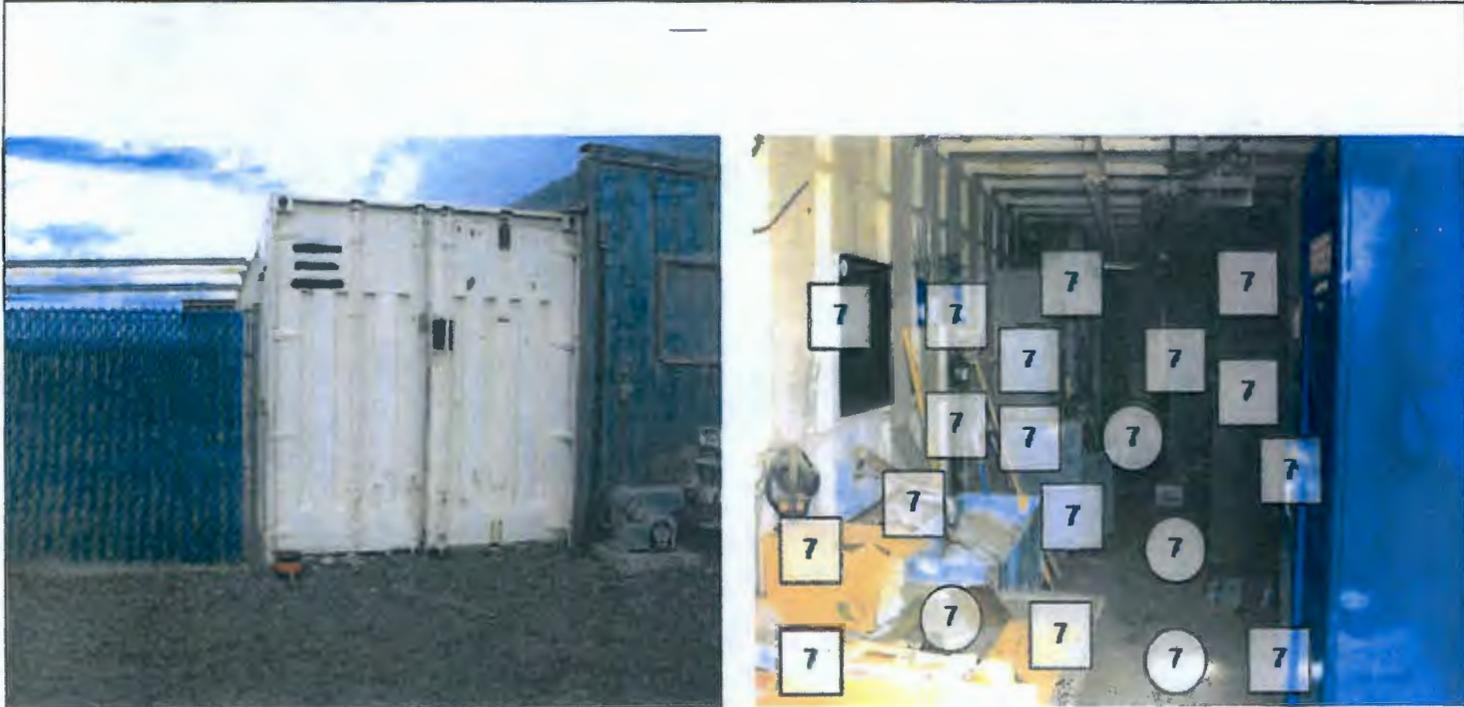
Control Number: D4-BOW-023

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 9 of 13
--	-----------------------------	--------------

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/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-023

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

CH2M HILL PLATEAU REMEDIATION COMPANY RADIOLOGICAL SURVEY REPORT (Submitted for Approval)	RSR No. L-1400509	Page 10 of 13
--	----------------------	---------------

Map/Sketch



Map Name: Paint Shop	Map Description: Structure & Interior																						
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:10%;">Legend</td> <td style="width:15%;"># Direct Measurement</td> <td style="width:15%;">▲ Air Sample</td> <td style="width:15%;"># Smear</td> <td style="width:15%;"># LAW</td> <td style="width:15%;">◆ Neutron Dose Rate</td> <td style="width:15%;">T# Transferability</td> <td style="width:15%;">F# Field</td> <td style="width:15%;">C# Contact</td> <td style="width:15%;">D# Other Distance</td> <td style="width:15%;"># Other Measurement</td> </tr> <tr> <td colspan="7" style="text-align: center;"> ----- (designation inside) ----- Radiological Area Boundary </td> <td colspan="4" style="text-align: right;"> Note: Dose Rates in mrem/hr unless otherwise noted. </td> </tr> </table>		Legend	# Direct Measurement	▲ Air Sample	# Smear	# LAW	◆ Neutron Dose Rate	T# Transferability	F# Field	C# Contact	D# Other Distance	# Other Measurement	----- (designation inside) ----- Radiological Area Boundary							Note: Dose Rates in mrem/hr unless otherwise noted.			
Legend	# Direct Measurement	▲ Air Sample	# Smear	# LAW	◆ Neutron Dose Rate	T# Transferability	F# Field	C# Contact	D# 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-023

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								
Legend	# Direct Measurement	▲ Air Sample	⊕ Smear	Ⓕ LAW	◆ Neutron Dose Rate	T# Transferability	F# Field	C# Contact	D# 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: 5/29/2015

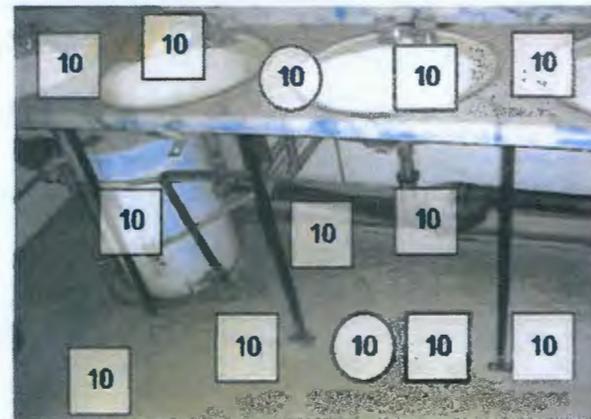
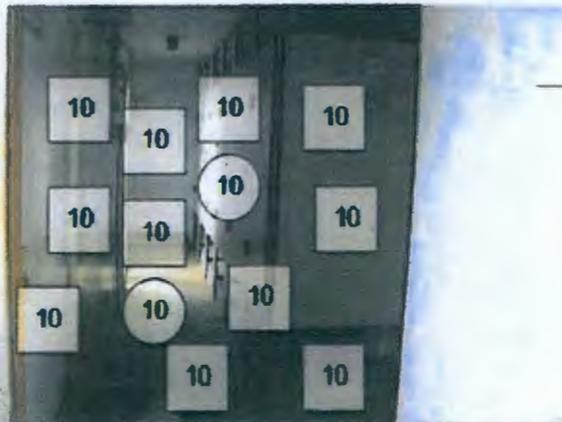
Area: 200 West Area

Control Number: D4-BOW-023

FACILITY STATUS CHANGE FORM

CH2M HILL PLATEAU REMEDIATION COMPANY RADIOLOGICAL SURVEY REPORT (Submitted for Approval)	RSR No. L-1400509	Page 12 of 13
--	------------------------------	---------------

Map/Sketch



Map Name: MO-847		Map Description: Structure & Interior									
Legend	<input type="checkbox"/> Direct Measurement	<input type="checkbox"/> Air Sample	<input type="checkbox"/> Smear	<input type="checkbox"/> LAW	<input type="checkbox"/> Neutron Dose Rate	<input type="checkbox"/> Transferability	<input type="checkbox"/> Field	<input type="checkbox"/> Contact	<input type="checkbox"/> Other Distance	<input type="checkbox"/> 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-023

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 13 of 13
Instruments			
Instrument Type	Bar Code No.	Probe Bar Code No.	Efficiency (Used)
LUDLUM 2360	SCLL8-0431	DTLLP-0538	β0.10 α0.10
LUDLUM 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-155 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-023

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-023

*** 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 (H6820981)
Title: Reviewer
Date: Friday, May 16, 2014, 3:58 PM Pacific Standard Time
=====

ATTACHMENT 15

**FACILITY STATUS CHANGE FORMS FOR MO-556
D4-BOW-048**

Consisting of 13 pages,
including this cover page

FACILITY STATUS CHANGE FORM

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-048

Originator: Brett M. Barnes

Facility ID: MO-556

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-556 was a double-wide mobile office building used primarily for administrative support.

Demolition of MO-556 was performed during September 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-556:

- 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-556 structure is estimated to weigh approximately 100 tons.
- Asbestos sampling of the structure 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).

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.

FACILITY STATUS CHANGE FORM

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-048

Description of Current/As-Left Conditions:

The underlying soil of MO-556 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-556 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 \$126,738.

Section 4: List of Attachments

Attachment A: Project Photographs of MO-556 (Pre-Demolition, During Demolition, and Post-Demolition)

Attachment B: Radiological Survey Report

Wade Woolery
DOE-RL (Print)

Wade Woolery
Signature

Feb 17, 2017
Date

FACILITY STATUS CHANGE FORM

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-048

Attachment A



MO-556 Pre-Demolition



MO-556 During Demolition

FACILITY STATUS CHANGE FORM

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-048



MO-556 Post-Demolition

FACILITY STATUS CHANGE FORM

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-048

Attachment B

Radiological Survey Report

** Electronically Approved - L-1400506 on 6/9/2014 **

CH2M HILL PLATEAU REMEDIATION COMPANY RADIOLOGICAL SURVEY REPORT (Submitted for Approval)			RSR No. L-1400506	Page 1 of 6
--	--	--	----------------------	-------------

Date 5/9/2014	Start/Stop Time 0800 / 1600	Area/Location 100K / 105FW / N/A / GYPSY CAMP	RWP/Rev N/A
------------------	--------------------------------	--	----------------

Purpose of Survey:

Material Clearance
 Number: N/A
 Cleared to: N/A
 Rem 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: Pre Demo verification survey

Description of Work / Comments:

Completed "Verification" survey of the abandoned construction force facilities (GYPSY CAMP) in the 200-West area.

Comments: Completed pre-demo "verification" survey of the abandoned construction services buildings in the 200-West area. Survey was as followed: 10% of each building based on the presence of biological vectors and suspect items. Scan surfaces at 2"/second at 1/4" pausing for 5 seconds at any elevated audible location. A minimum of four (4) technical smears were taken in each facility. Lead RCT Steve Myers added to this survey for technical review only.

Contamination Measurements

No.	Description	† Manually Calculated by RCT													
		Background cpm		Direct Gross cpm/100 cm ²		Total dpm/100 cm ²		Correction Factor		Type	Removable Gross (cpm)				
		$\beta\gamma$	α	$\beta\gamma$	α	$\beta\gamma$	α	$\beta\gamma$	α		$\beta\gamma$	α	dpm/100 cm ²	$\beta\gamma$	α
C1	MC-556	250	0	250	0	<5000	<500	10	10	Smear	250	0	<1000	<20	
C2	MC-841	250	0	250	0	<5000	<500	10	10	Smear	250	0	<1000	<20	
C3	2300-W	350	0	250	0	<5000	<500	10	10	Smear	250	0	<1000	<20	
C4	2309-W	250	0	250	0	<5000	<500	10	10	Smear	250	0	<1000	<20	
C5	2265-W	250	0	250	0	<5000	<500	10	10	Smear	250	0	<1000	<20	

Date Submitted: 06/09/2014 14:42:00

A-6004-661-SS (Rev. 4)

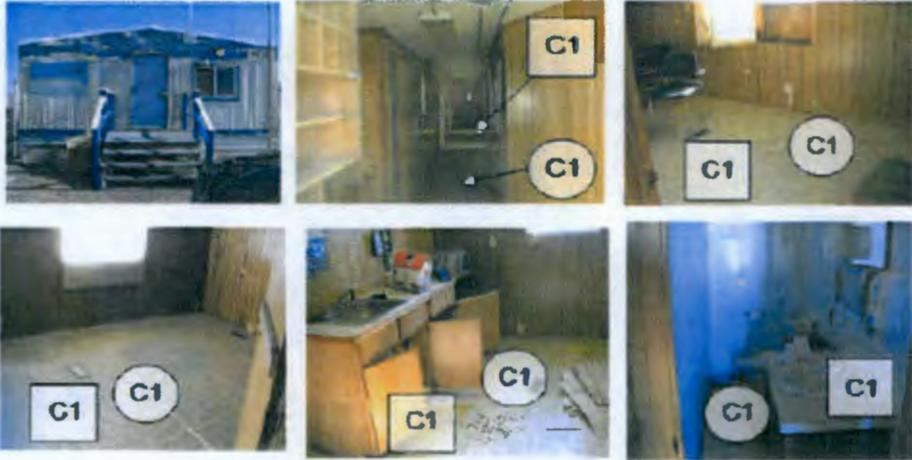
Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-048

FACILITY STATUS CHANGE FORM

** Electronically Approved - L-1400506 on 6/9/2014 **

CH2M HILL PLATEAU REMEDIATION COMPANY RADIOLOGICAL SURVEY REPORT (Submitted for Approval)	RSR No. L-1400506	Page 2 of 6
Map/Sketch		
		
BUILDING MO-556		
Map Name: GYPSY CAMP	Map Description: MO-556	
Legend	<input checked="" type="checkbox"/> Direct Measurement <input checked="" type="checkbox"/> Air Sample <input checked="" type="checkbox"/> Smear <input checked="" type="checkbox"/> LAW <input checked="" type="checkbox"/> Neutron Dose Rate <input checked="" type="checkbox"/> Transferability <input checked="" type="checkbox"/> Field <input checked="" type="checkbox"/> Contact <input checked="" type="checkbox"/> Other Distance <input checked="" type="checkbox"/> Other Measurement	
----- (designation inside) ----- Radiological Area Boundary		Note: Dose Rates in mrem/hr unless otherwise noted.

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-048

FACILITY STATUS CHANGE FORM

** Electronically Approved - L-1400506 on 6/9/2014 **

CH2M HILL PLATEAU REMEDIATION COMPANY RADIOLOGICAL SURVEY REPORT (Submitted for Approval)	RSR No. L-1400506	Page 3 of 6
Map/Sketch		
		BUILDING MO-841
Map Name: GYPSY CAMP Map Description: MO-841		
Legend	<input checked="" type="checkbox"/> Direct Measurement <input checked="" type="checkbox"/> Air Sample <input checked="" type="checkbox"/> Smear <input checked="" type="checkbox"/> LAW <input checked="" type="checkbox"/> Neutron Dose Rate <input checked="" type="checkbox"/> Transferability <input checked="" type="checkbox"/> Field <input checked="" type="checkbox"/> Contact <input checked="" type="checkbox"/> Other Distance <input checked="" type="checkbox"/> Other Measurement	
..... (designation inside) Radiological Area Boundary		Note: Dose Rates in mrem/hr unless otherwise noted

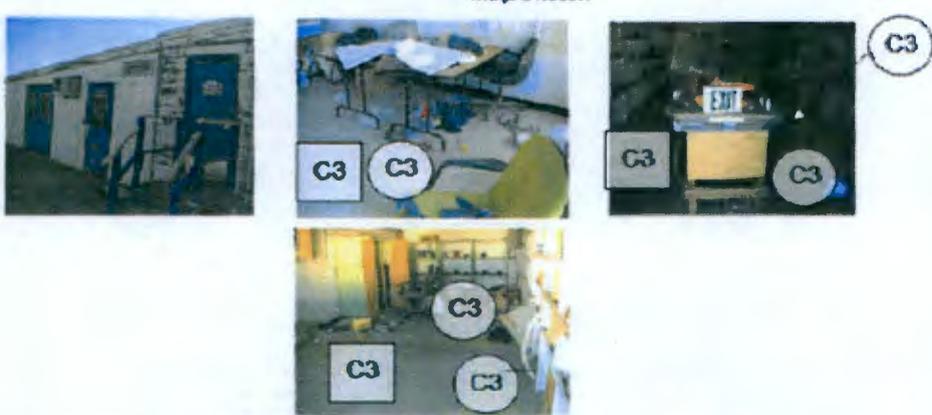
Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-048

FACILITY STATUS CHANGE FORM

** Electronically Approved - L-1400506 on 6/9/2014 **

CH2M HILL PLATEAU REMEDIATION COMPANY RADIOLOGICAL SURVEY REPORT (Submitted for Approval)	RSR No. L-1400506	Page 4 of 6
Map/Sketch		
		
BUILDING #2300W		
Map Name: GYPSEY CAMP	Map Description: Building 2300W	
Legend	<input type="checkbox"/> Direct Measurement <input type="checkbox"/> Air Sample <input type="checkbox"/> Smear <input type="checkbox"/> LAW <input type="checkbox"/> Neutron Dose Rate <input type="checkbox"/> Transferability <input type="checkbox"/> Field <input type="checkbox"/> Contact <input type="checkbox"/> Other Distance <input type="checkbox"/> Other Measurement	----- (designation inside) ----- Radiological Area Boundary Note: Dose Rates in mrem/yr unless otherwise noted.

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-048

FACILITY STATUS CHANGE FORM

** Electronically Approved - L-1400506 on 6/9/2014 **

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

RSR No.
L-1400506

Page 5 of 6

Map/Sketch



BUILDING
#2309W

Map Name: GYPSY CAMP

Map Description: Building 2309W

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

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-048

FACILITY STATUS CHANGE FORM

** Electronically Approved - L-1400506 on 6/9/2014 **

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

RSR No.
L-1400506

Page 6 of 8

Map/Sketch



BUILDING #
2265W

FACILITY STATUS CHANGE FORM

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-048

Map Name: GYPSY CAMP		Map Description: Building 2265W	
Legend	Direct Measurement	Air Sample	Smear
	LAW	Neutron Dose Rate	Transferability
	Field	Contact	Other Distance
	Other Measurement	Note: Dose Rates in mrem/hr unless otherwise noted	
----- (designation inside) ----- Radiological Area Boundary			
Instruments			
Instrument Type	Bar Code No.	Probe Bar Code No.	Efficiency (Used)
LUOLUM 2360	SCLL6-0510	DTLLP-0614	30.1 00.1
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-155 are ≤ 10 times the b-g contamination levels shown above (see CHPC-00073, Table 2-2).			
History			
2014-06-09 10:38:21 - Richardson, L. Dan - Submitted			
2014-06-09 14:31:11 - Richardson, L. Dan - UnSubmitted: corrections on direct readings			
2014-06-09 14:37:24 - Richardson, L. Dan - Submitted: made corrections on direct readings			
2014-06-09 14:40:55 - Richardson, L. Dan - UnSubmitted: corrections on removable readings			
2014-06-09 14:42:55 - Richardson, L. Dan - Submitted: corrections on removable readings			

Date Submitted: 06/09/2014 14:42:00

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

FACILITY STATUS CHANGE FORM

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-048

*** Electronically Approved – L-1400506 on 6/9/2014 ***

User: RICHARDSON, LEONARD (H0051423)
Title: Contributor
Date: Monday, June 09, 2014, 2:42 PM Pacific Standard Time
=====

User: MYERS, STEVEN (H7301859)
Title: Contributor
Date: Monday, June 09, 2014, 2:49 PM Pacific Standard Time
=====

User: SIMS, MARK (H0003931)
Title: Reviewer
Date: Monday, June 09, 2014, 3:33 PM Pacific Standard Time
=====

ATTACHMENT 16

**FACILITY STATUS CHANGE FORMS FOR MO-573
D4-BOW-049**

Consisting of 21 pages,
including this cover page

FACILITY STATUS CHANGE FORM

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-049

Originator: Brett M. Barnes

Facility ID: MO-573

Phone: 509 521-3053

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-573 consisted of a skid-mounted single-wide structure used primarily as an ice house. This facility was used by Engineering, Project, and Construction forces.

Demolition of MO-573 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-573:

- 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-573 structure is estimated to weigh approximately 20 tons.
- Asbestos sample results indicate a 4% category 1 nonfriable chrysotile asbestos-containing material (ACM) in the brown and off-white flooring, and 7% category 1 nonfriable chrysotile ACMs in the brown flooring and mastic.
- 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).

FACILITY STATUS CHANGE FORM

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-049

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-573 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-573 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 \$18,776.

Section 4: List of Attachments

Attachment A: Project Photographs of MO-573 (Pre-Demolition, During Demolition, and Post-Demolition)

Attachment B: Radiological Survey Report

Wade Woolery
DOE-RL (Print)

Wade Woolery
Signature

Feb 17, 2017
Date

FACILITY STATUS CHANGE FORM

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-049

Attachment A



MO-573 Pre-Demolition



MO-573 During Demolition

FACILITY STATUS CHANGE FORM

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-049



MO-573 During Demolition



MO-573 Post-Demolition

** Electronically Approved - L-1400508 on 5/22/2014 **

CH2M HILL PLATEAU REMEDIATION COMPANY RADIOLOGICAL SURVEY REPORT (Submitted for Approval)			RSR No. L-1400508	Page 1 of 15
Date 5/9/2014	Start/Stop Time 0740 / 1520	Area/Location 200W / Kaiser Laydown Yard / Outside / "Gypsy Camp"		RWP/Rev. N/A

Purpose of Survey: <input type="checkbox"/> Material Clearance Number: N/A Cleared to: N/A <input type="checkbox"/> Ram Shipment: N/A <input type="checkbox"/> Required Task: N/A <input type="checkbox"/> Job Coverage: N/A <input type="checkbox"/> Verification survey $\alpha = <D$ <D=No increase in audible count rate <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>N/A</td><td>Inches/Sec.</td><td>N/A</td><td>Inches Away</td></tr> <tr><td>N/A</td><td>Count Time (Sec.)</td><td>N/A</td><td>% Surveyed</td></tr> <tr><td>N/A</td><td># of Static Counts</td><td>N/A</td><td>Square Feet</td></tr> </table> <input type="checkbox"/> Verification survey $\beta\gamma = <D$ <D=No increase in audible count rate <table border="1" style="width:100%; border-collapse: collapse;"> <tr><td>N/A</td><td>Inches/Sec.</td><td>N/A</td><td>Inches Away</td></tr> <tr><td>N/A</td><td>Count Time (Sec.)</td><td>N/A</td><td>% Surveyed</td></tr> <tr><td>N/A</td><td># of Static Counts</td><td>N/A</td><td>Square Feet</td></tr> </table> <input checked="" type="checkbox"/> Other: Verification Survey: See Comments Section	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	Description of Work / Comments: Performed verification survey of miscellaneous material and equipment in the Kaiser Laydown yard. Comments: Performed a representative verification survey with a minimum direct frisk survey of 10% (of accessible surfaces) of the abandoned Construction Force Facility (CFF) equipment and materials in the Kaiser Laydown Yard now labeled as the "Gypsy Camp". This area is a non-radiological posted area and is not considered radiological work. Verification surveys performed as follows: Select an appropriate fraction (10% min.) of each building/area based on the presence of biological vectors and suspect items and scan the surfaces at 2" per second at 1/4" pausing for 5 second at any elevated audible location. Most of the material and equipment looked to be unused and some are in it's original packing. Also, surveyed along the fence line ground, spot checks on ground near equipment and 10% of the tumbleweeds in the laydown yard. Tech. smears locations shown on survey maps. Steve Myers put on as a contributor RCT for technical review only.
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																						

No.		Description		Contamination Measurements											
				† Manually Calculated by RCT											
				Background cpm		Direct Gross cpm/100 cm ²		Total dpm/100 cm ²		Correction Factor		Removable			
		$\beta\gamma$	α	$\beta\gamma$	α	$\beta\gamma$	α	$\beta\gamma$	α	Type	Gross (cpm)		dpm/100 cm ²		
											$\beta\gamma$	α	$\beta\gamma$	α	
1	Misc. Equipment and Material (See Map & Comment Section)	300	1	300	0	<5000	<500	10	10	Smear	300	0	<1000	<20	

Date Submitted: 5/28/2015
 Area: 200 West Area
 Control Number: D4-BOW-049

Attachment B
Facility Status Change Form
Radiological Survey Report

** Electronically Approved – L-1400508 on 5/22/2014 **:

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

**RSR No.
L-1400508**

Page 2 of 15

Map/Sketch



Zone 1, 2, 3, 4

Zone 5, 6, 7

Map Name: Kaiser Laydown Yard Map Description: 200W "Gypsy Camp" Map

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: 05/22/2014 09:17:00

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

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-049

FACILITY STATUS CHANGE FORM

** Electronically Approved – L-1400508 on 5/22/2014 **:

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

**RSR No.
L-1400508**

Page 3 of 15

Map/Sketch



Map Name: Kaiser Laydown Yard

Map Description: Drums & Wood Scrap (Zone 1)

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

Date Submitted: 05/22/2014 09:17:00

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

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-049

FACILITY STATUS CHANGE FORM

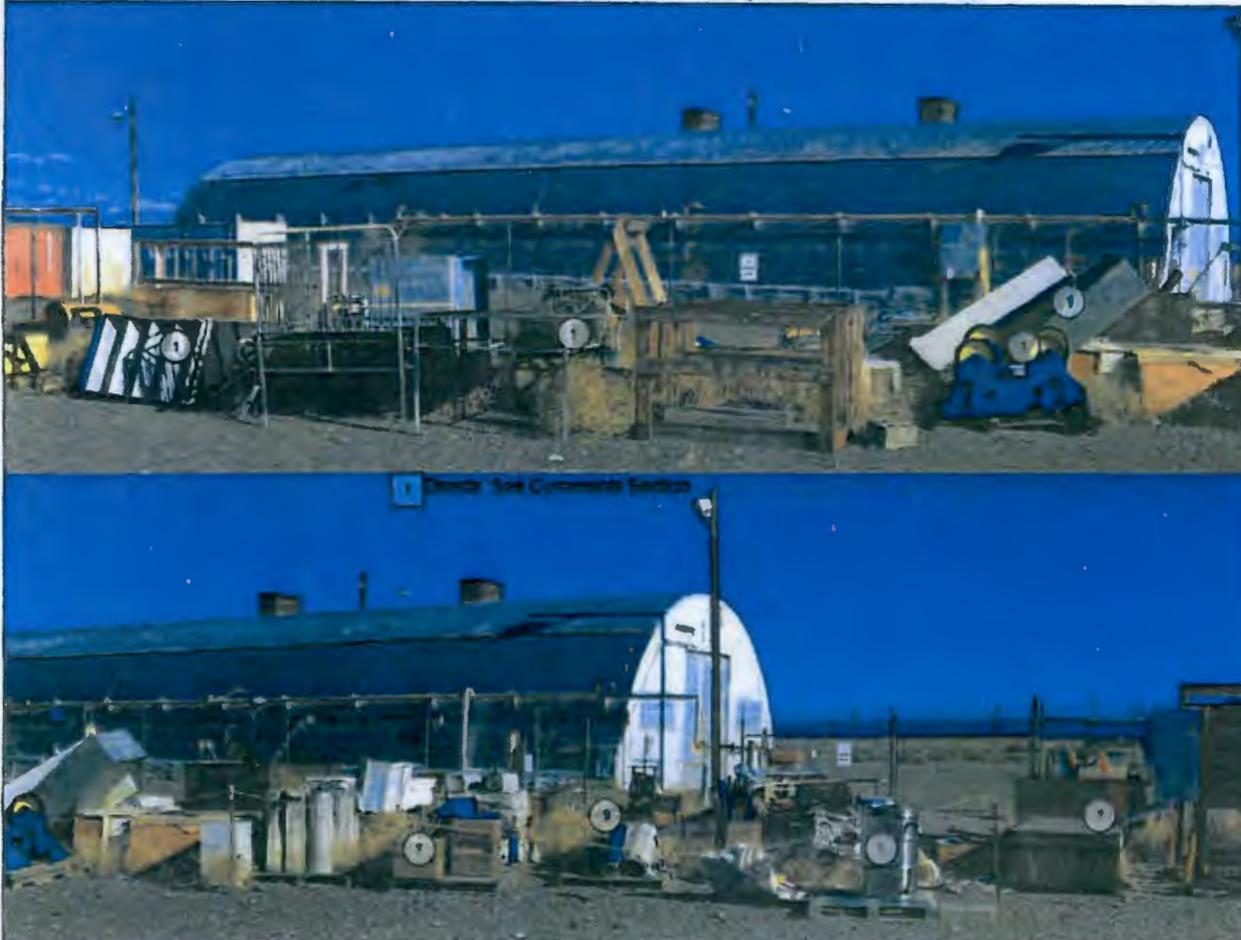
** Electronically Approved - L-1400508 on 5/22/2014 **

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

**RSR No.
L-1400508**

Page 4 of 15

Map/Sketch



FACILITY STATUS CHANGE FORM

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-049

Map Name: Kaiser Laydown Yard

Map Description: EPC Excess Machine/Scrap (Zone 2)

Legend	# Direct Measurement	▲ Air Sample	⊕ Smear	# LAW	◆ Neutron Dose Rate	T# Transferability	F# Field	C# Contact	D# Other Distance	⊖ Other Measurement
---------------	----------------------	--------------	---------	-------	---------------------	--------------------	----------	------------	-------------------	---------------------

----- (designation inside) ----- Radiological Area Boundary

Note: Dose Rates in mrem/hr unless otherwise noted.

Date Submitted: 05/22/2014 09:17:00

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

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

**RSR No.
L-1400508**

Page 5 of 15

Map/Sketch



Map Name: Kaiser Laydown Yard

Map Description: EPC Excess Machinery/Scrap (Zone 2)

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: 05/22/2014 09:17:00

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

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-049

FACILITY STATUS CHANGE FORM

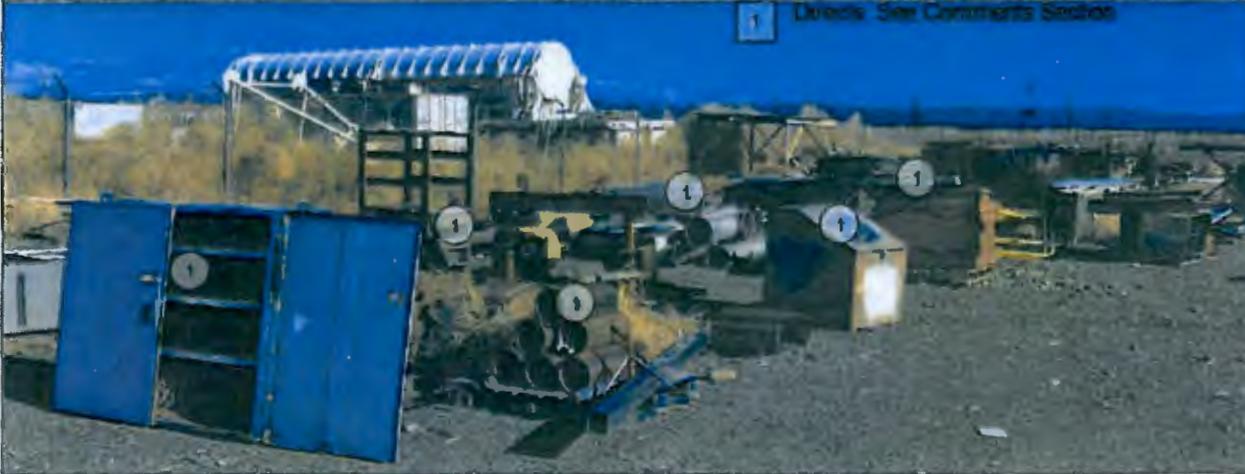
** Electronically Approved – L-1400508 on 5/22/2014 **:

CH2M HILL PLATEAU REMEDIATION COMPANY RADIOLOGICAL SURVEY REPORT (Submitted for Approval)	RSR No. L-1400508	Page 6 of 15
--	----------------------	--------------

Map/Sketch



1 Direct. See Comments Section



Map Name: Kaiser Laydown Yard	Map Description: Scaffold Metal Pipes Metal Scrap (Zone 3)																						
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:10%;">Legend</td> <td style="width:10%;"># Direct Measurement</td> <td style="width:10%;">▲ Air Sample</td> <td style="width:10%;">⊙ Smear</td> <td style="width:10%;"># LAW</td> <td style="width:10%;">◆ Neutron Dose Rate</td> <td style="width:10%;"># Transferability</td> <td style="width:10%;"># Field</td> <td style="width:10%;"># Contact</td> <td style="width:10%;"># Other Distance</td> <td style="width:10%;"># Other Measurement</td> </tr> <tr> <td colspan="10" style="text-align: center;">----- (designation inside) ----- Radiological Area Boundary</td> <td style="text-align: right;">Note: Dose Rates in mrem/hr unless otherwise noted.</td> </tr> </table>		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.
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: 05/22/2014 09:17:00

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

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-049

FACILITY STATUS CHANGE FORM

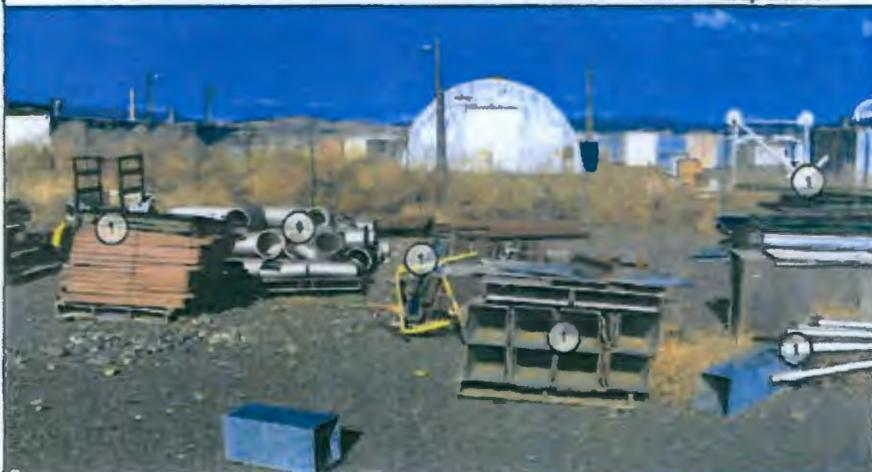
** Electronically Approved – L-1400508 on 5/22/2014 **

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

**RSR No.
L-1400508**

Page 7 of 15

Map/Sketch



1 Directs: See Comments Section



Map Name: Kaiser Laydown Yard

Map Description: Scaffold Metal Pipes Metal Scrap (Zone 3)

Legend	<input type="checkbox"/> Direct Measurement	<input type="checkbox"/> Air Sample	<input type="checkbox"/> Smear	<input type="checkbox"/> LAW	<input type="checkbox"/> Neutron Dose Rate	<input type="checkbox"/> Transferability	<input type="checkbox"/> Field	<input type="checkbox"/> Contact	<input type="checkbox"/> Other Distance	<input type="checkbox"/> Other Measurement
---------------	---	-------------------------------------	--------------------------------	------------------------------	--	--	--------------------------------	----------------------------------	---	--

----- (designation inside) ----- Radiological Area Boundary

Note: Dose Rates in mrem/hr unless otherwise noted.

Date Submitted: 05/22/2014 09:17:00

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

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-049

FACILITY STATUS CHANGE FORM

** Electronically Approved – L-1400508 on 5/22/2014 **;

CH2M HILL PLATEAU REMEDIATION COMPANY RADIOLOGICAL SURVEY REPORT (Submitted for Approval)	RSR No. L-1400508	Page 8 of 15
--	------------------------------	--------------

Map/Sketch

1 Directs: See Comments Section



Map Name: Kaiser Laydown Yard		Map Description: Cable Parts/Metal Pipes (Zone 3 & 4)								
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: 05/22/2014 09:17:00

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

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-049

FACILITY STATUS CHANGE FORM

** Electronically Approved – L-1400508 on 5/22/2014 **

CH2M HILL PLATEAU REMEDIATION COMPANY RADIOLOGICAL SURVEY REPORT (Submitted for Approval)	RSR No. L-1400508	Page 9 of 15
--	------------------------------	--------------

Map/Sketch



1 Directs: See Comments Section

Map Name: Kaiser Laydown Yard		Map Description: Cable Parts and Metal Scrap (Zones 4 & 5)								
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: 05/22/2014 09:17:00

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

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-049

FACILITY STATUS CHANGE FORM

** Electronically Approved – L-1400508 on 5/22/2014 **

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

**RSR No.
L-1400508**

Page 10 of 15

Map/Sketch



Directs: See Comments Section



Map Name: Kaiser Laydown Yard

Map Description: Cables and Metal Scrap (Zone 5)

Legend	<input checked="" type="checkbox"/> Direct Measurement	<input type="checkbox"/> Air Sample	<input type="checkbox"/> Smear	<input type="checkbox"/> LAW	<input type="checkbox"/> Neutron Dose Rate	<input type="checkbox"/> Transferability	<input type="checkbox"/> Field	<input type="checkbox"/> Contact	<input type="checkbox"/> Other Distance	<input type="checkbox"/> Other Measurement
	----- (designation inside) ----- Radiological Area Boundary								Note: Dose Rates in mrem/hr unless otherwise noted.	

Date Submitted: 05/22/2014 09:17:00

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

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-049

FACILITY STATUS CHANGE FORM

** Electronically Approved – L-1400508 on 5/22/2014 **

CH2M HILL PLATEAU REMEDIATION COMPANY RADIOLOGICAL SURVEY REPORT (Submitted for Approval)	RSR No. L-1400508	Page 11 of 15
--	------------------------------	---------------

Map/Sketch



1 Directs: See Comments Section

Map Name: Kaiser Laydown Yard Map Description: Cables and Scrap (Zone 5)

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: 05/22/2014 09:17:00

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

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-049

FACILITY STATUS CHANGE FORM

** Electronically Approved – L-1400508 on 5/22/2014 **

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

**RSR No.
L-1400508**

Page 12 of 15

Map/Sketch



1 Directs: See Comments Section



Map Name: Kaiser Laydown Yard

Map Description: Cables, Igloo, Pipes & Metal Scrap (Zone 5 & 6)

Legend	<input checked="" type="checkbox"/> Direct Measurement	<input type="checkbox"/> Air Sample	<input type="checkbox"/> Smear	<input type="checkbox"/> LAW	<input type="checkbox"/> Neutron Dose Rate	<input type="checkbox"/> Transferability	<input type="checkbox"/> Field	<input type="checkbox"/> Contact	<input type="checkbox"/> Other Distance	<input type="checkbox"/> Other Measurement
----- (designation inside) ----- Radiological Area Boundary										
Note: Dose Rates in mrem/hr unless otherwise noted.										

Date Submitted: 05/22/2014 09:17:00

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

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-049

FACILITY STATUS CHANGE FORM

** Electronically Approved – L-1400508 on 5/22/2014 **:

CH2M HILL PLATEAU REMEDIATION COMPANY RADIOLOGICAL SURVEY REPORT (Submitted for Approval)	RSR No. L-1400508	Page 13 of 15
--	------------------------------	---------------

Map/Sketch



1 Directs: See Comments Section



Map Name: Kaiser Laydown Yard		Map Description: Pipes & Metal Scrap + Bricks & Pipe (Zone 6 & 7)								
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: 05/22/2014 09:17:00

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

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-049

FACILITY STATUS CHANGE FORM

** Electronically Approved - L-1400508 on 5/22/2014 **

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

**RSR No.
L-1400508**

Page 14 of 15

Map/Sketch



Directs: See Comments Section

Conex Box Surveyed Inside

Map Name: Kaiser Laydown Yard

Map Description: Metal Scrap (Zone 7)

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: 05/22/2014 09:17:00

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

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-049

FACILITY STATUS CHANGE FORM

** Electronically Approved - L-1400508 on 5/22/2014 **

CH2M HILL PLATEAU REMEDIATION COMPANY RADIOLOGICAL SURVEY REPORT (Submitted for Approval)		RSR No. L-1400508	Page 15 of 15
Instruments			
Instrument Type	Bar Code No.	Probe Bar Code No.	Efficiency (Used)
LUDLUM 2360	SCLL8-0140	DTLLP-0250	α.10, β0.10
LUDLUM 2360	SCLL8-0431	DTLLP-0538	α.10, β0.10
Unless stated otherwise in the "Comments" section, contamination levels for C-14, Fe-55, Ni-59, Ni-63, Sa-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			
2014-05-12 13:02:02 - Raeder, Bryan - Submitted			
2014-05-13 10:56:29 - Murdock, Austin - Rejected: Verification survey listed in comments section requires the scan survey to be recorded in the <D section of information tab.			
2014-05-22 09:18:49 - Raeder, Bryan - Submitted: Added in comments: Tech. smears locations shown on survey maps.			

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-049

FACILITY STATUS CHANGE FORM

FACILITY STATUS CHANGE FORM

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-049

*** Electronically Approved -- L-1400508 on 5/22/2014 **:*

User: RAEDER, BRYAN (H070509)

Title: Contributor

Date: Thursday, May 22, 2014, 9:18 AM Pacific Standard Time

=====

User: MURDOCK, AUSTIN (H4137729)

Title: Contributor

Date: Thursday, May 22, 2014, 9:23 AM Pacific Standard Time

=====

User: MYERS, STEVEN (H7301859)

Title: Contributor

Date: Thursday, May 22, 2014, 9:22 AM Pacific Standard Time

=====

User: SIMS, MARK (H0003931)

Title: Reviewer

Date: Thursday, May 22, 2014, 10:25 AM Pacific Standard Time

=====

ATTACHMENT 17

**FACILITY STATUS CHANGE FORMS FOR MO-837
D4-BOW-0052**

Consisting of 19 pages,
including this cover page

FACILITY STATUS CHANGE FORM

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-052

Originator: Brett M. Barnes

Facility ID: MO-837

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-837 was a single-wide mobile office building used primarily as a mask issue station and a women's restroom in support of Engineering, Project, and Construction forces.

Demolition of MO-837 was performed during September 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-837:

- 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-837 structure is estimated to weigh approximately 50 tons.
- Asbestos sampling of the structure 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).

FACILITY STATUS CHANGE FORM

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-052

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-837 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-837 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 \$58,675.

Section 4: List of Attachments

Attachment A: Project Photographs of MO-837 (Pre-Demolition, During Demolition, and Post-Demolition)

Attachment B: Radiological Survey Report

Wade Woolery
DOE-RL (Print)

Wade Woolery
Signature

Feb 17, 2017
Date

FACILITY STATUS CHANGE FORM

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-052

Attachment A



MO-837 Pre-Demolition



MO-837 During Demolition

FACILITY STATUS CHANGE FORM

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-052



MO-837 Post-Demolition

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

CH2M HILL PLATEAU REMEDIATION COMPANY RADIOLOGICAL SURVEY REPORT (Submitted for Approval)	RSR No. L-1400509	Page 1 of 13
--	-----------------------------	--------------

Date 5/9/2014	Start/Stop Time 0600 / 1630	Area/Location 200W / Outside Areas / N/A / 200W Construction Shop Complex, North of 19th St	RWP/Rev. N/A
------------------	--------------------------------	---	-----------------

Purpose of Survey:

Material Clearance
 Number: N/A
 Cleared to: N/A
 Ram Shment: 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 $\beta = <D$
 <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.

5. 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				
		By	α	By	α	By	α	By	α	Type	By	α	By	α
1	MO #37	200	0	200	0	<500†	<500†	10	10	Smear	200	0	<1000†	<20†
2	200W	200	0	200	0	<500†	<500†	10	10	Smear	200	0	<1000†	<20†
3	201W	200	0	200	0	<500†	<500†	10	10	Smear	200	0	<1000†	<20†
4	Connex 022W495	200	0	200	0	<500†	<500†	10	10	Smear	200	0	<1000†	<20†
5	Connex 022W494	200	0	200	0	<500†	<500†	10	10	Smear	200	0	<1000†	<20†
6	Connex 022W493	200	0	200	0	<500†	<500†	10	10	Smear	200	0	<1000†	<20†
7	Unmarked White Connex Box	200	0	200	0	<500†	<500†	10	10	Smear	200	0	<1000†	<20†

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

A-6004-663-88 (Rev. 4)

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-052

FACILITY STATUS CHANGE FORM

Attachment B

Radiochemical Survey Report

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

CH2M HILL PLATEAU REMEDIATION COMPANY RADIOLOGICAL SURVEY REPORT (Submitted for Approval)	RSR No. L-1400509	Page 2 of 13
--	------------------------------	---------------------

Contamination Measurements (Continued)														
† Manually Calculated by RGT														
No.	Description	Background cpm		Direct Gross cpm/100 cm ²		Total dpm/100 cm ²		Correction Factor		Type	Removable			
		βy	α	βy	α	βy	α	βy	α		Gross (cpm)		dpm/100 cm ²	
											βy	α	βy	α
8	Paint Shop	200	0	200	0	<5000†	<500†	10	10	Smear	200	0	<1000†	<20†
9	Aluminum Stack	200	0	200	0	<5000†	<500†	10	10	Smear	200	0	<1000†	<20†
10	MC-847	200	0	200	0	<5000†	<500†	10	10	Smear	200	0	<1000†	<20†

Date Submitted: 5/28/2015
 Area: 200 West Area
 Control Number: D4-BOW-052

FACILITY STATUS CHANGE FORM

CHPRC-1502143
 ATTACHMENT 17

A-6(X)4-663-SS (Rev. 4)

Date Submitted: (5/16/2014 15:56:00)

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

CH2M HILL PLATEAU REMEDIATION COMPANY RADIOLOGICAL SURVEY REPORT (Submitted for Approval)	RSR No. L-1400509	Page 3 of 13
--	-----------------------------	--------------

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/h unless otherwise noted.					

Date Submitted: 05/11/2014 15:56:00

A-6004-663-SS (Rev 4)

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-052

FACILITY STATUS CHANGE FORM

CHPRC-1502143
ATTACHMENT 17

** 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



FACILITY STATUS CHANGE FORM

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-052

CHPRC-1502143
ATTACHMENT 17

Map Name: 2262W		Map Description: Structure & Interior								
Legend	Dial 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: (5/10/2014 15:56:00)

A-604-663-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	Page 5 of 13
--	------------------------------	--------------

Map/Sketch



Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-052

FACILITY STATUS CHANGE FORM

CHPRC-1502143
ATTACHMENT 17

Map Name: 2318W		Map Description: Structure & Interior								
Legend	Dred Measurement	Air Sample	Smear	LAW	Neutron Dose Rate	Transferability	Fluid	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	Page 6 of 13
--	------------------------------	--------------

Map/Sketch



Map Name: Connex CC2W495		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

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

A-6004-663-SS (Rev 41)

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-052

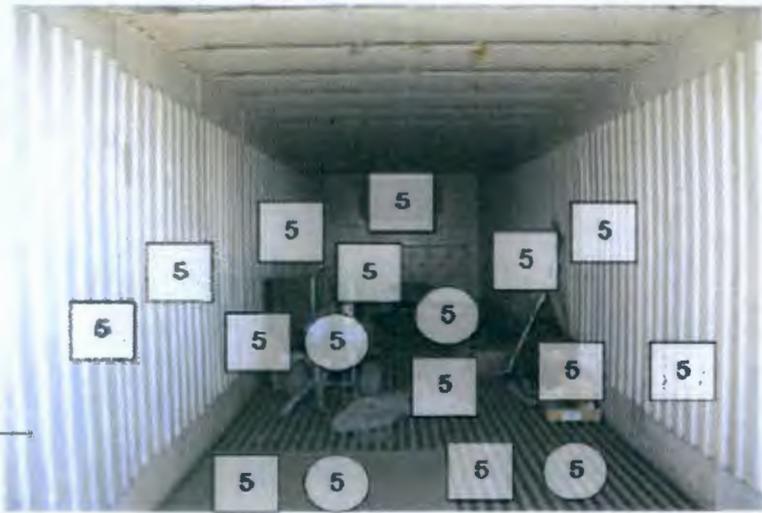
FACILITY STATUS CHANGE FORM

CHPRC-1502143
ATTACHMENT 17

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

CH2M HILL PLATEAU REMEDIATION COMPANY RADIOLOGICAL SURVEY REPORT (Submitted for Approval)	RSR No. L-1400509	Page 7 of 13
--	------------------------------	--------------

Map/Sketch



Date Submitted: 5/28/2015
Area: 200 West Area
Control Number: D4-BOW-052

FACILITY STATUS CHANGE FORM

CHPPRC-1502143
ATTACHMENT 17

Map Name: Connex CC2W494	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.				

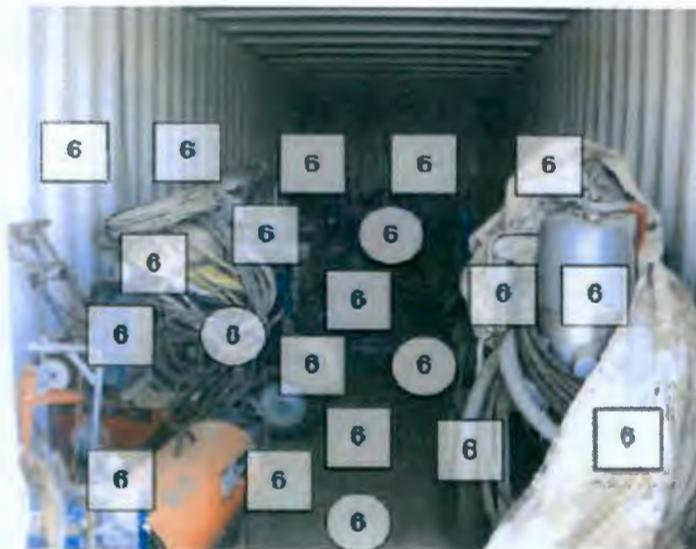
Date Submitted: 05/10/2014 15:56:00

A-6004-663-SS (Rev 4)

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

CH2M HILL PLATEAU REMEDIATION COMPANY RADIOLOGICAL SURVEY REPORT (Submitted for Approval)	RSR No. L-1400509	Page 8 of 13
--	-----------------------------	--------------

Map/Sketch



FACILITY STATUS CHANGE FORM

Date Submitted: 5/28/2015 Area: 200 West Area Control Number: D4-BOW-052

CHPRC-1502143
ATTACHMENT 17

Map Name: Connex CC2W493		Map Description: Structure & Interior									
Legend	Mired 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-6104-063-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	Page 9 of 13
--	-----------------------------	--------------

Map/Sketch



Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-052

FACILITY STATUS CHANGE FORM

CHPRC-1502143
ATTACHMENT 17

Map Name: Unmarked White Conex 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/hr unless otherwise noted.

Date Submitted: (5/10/2014 15:56:18)

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

Page 10 of 13

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 made) ----- 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-052

FACILITY STATUS CHANGE FORM

CHPRC-1502143
ATTACHMENT 17

FACILITY STATUS CHANGE FORM

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-052

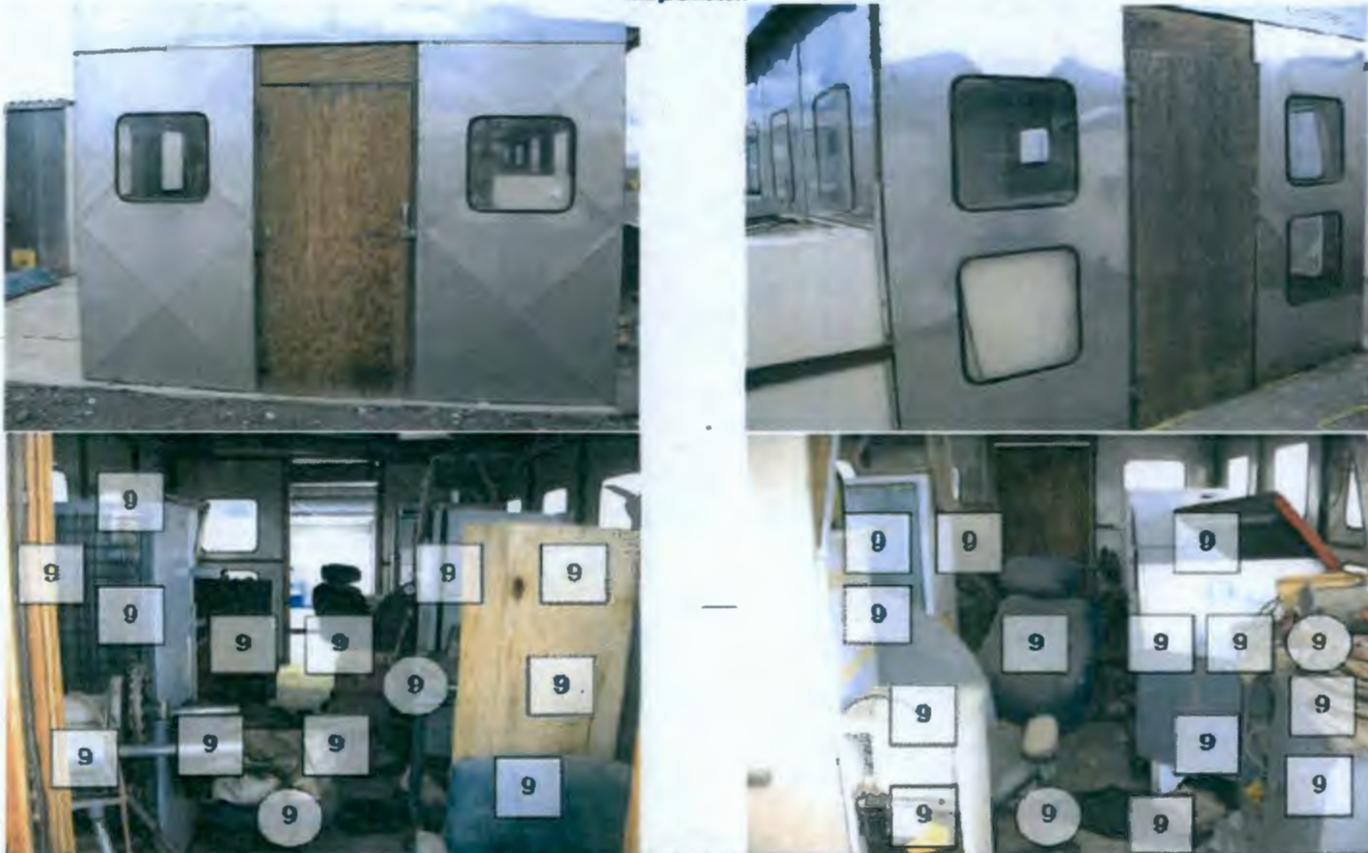
*** Electronically Approved - L-1400509 on 5/16/2014 ***

**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									
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.

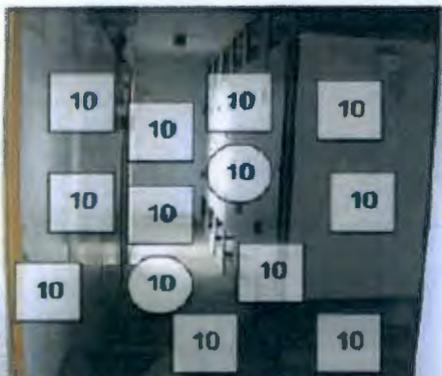
Date Submitted: 05/10/2014 15:56:00

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	Page 12 of 13
--	------------------------------	---------------

Map/Sketch



Map Name: MO-847	Map Description: Structure & Interior									
Legend	[D] Dred Measurement	[A] Air Sample	[S] Smear	[L] LAW	[N] Neutron Dose Rate	[T] Transferability	[F] Field	[C] Contact	[D] Other Distance	[M] Other Measurement
----- (designation inside) ----- Radiological Area Boundary							Note: Dose Rates in mrem/hr unless otherwise noted.			

Date Submitted: 05/10/2014 15:36:00

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

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-052

FACILITY STATUS CHANGE FORM

CHPRC-1502143
ATTACHMENT 17

FACILITY STATUS CHANGE FORM

Date Submitted: 5/28/2015
Area: 200 West Area
Control Number: D4-BOW-052

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

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)
LUCLUM 2360	SCLL8-0431	DTLLP-0538	30.10 α0.10
LUCLUM 2360	SCLL8-0759	DTLLP-0850	30.1 α0.1
Unless stated otherwise in the "Comments" section, contamination levels for C-14, Fe-59, 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			
2014-05-10 16:02:00 - Lemons, Lisa - Submitted			
2014-05-12 09:50:44 - Lemons, Lisa - Submitted: Survey Simple error of some sort - resubmit survey.			

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

Date Submitted: 05/16/2014 15:56:00

FACILITY STATUS CHANGE FORM

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-052

*** 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 (H6820961)

Title: Reviewer

Date: Friday, May 16, 2014, 3:58 PM Pacific Standard Time

ATTACHMENT 18

**FACILITY STATUS CHANGE FORMS FOR MO-841
D4-BOW-053**

Consisting of 11 pages,
including this cover page

FACILITY STATUS CHANGE FORM

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-053

Originator: Brett M. Barnes

Facility ID: MO-841

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-841 was a double-wide mobile office building used primarily for administrative support for Engineering, Project, and Construction forces.

Demolition of MO-841 was performed during 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-841:

- 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 (ARAR) 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-841 structure is estimated to weigh approximately 100 tons.
- Asbestos sample results indicated 15% category 1 nonfriable chrysotile asbestos-containing material in the white, green, and grey countertop covering.
- 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).

FACILITY STATUS CHANGE FORM

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-053

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:

Facility demolished, remaining concrete slab left in place. 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).

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

The area surrounding MO-841 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 \$117,350.

Section 4: List of Attachments

Attachment A: Project Photographs of MO-841 (Pre-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-053

Attachment A



MO-841 Pre-Demolition



MO-841 Post-Demolition

Attachment B

FACILITY STATUS CHANGE FORM

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-053

Radiological Survey Report

** Electronically Approved - L-1400506 on 6/9/2014 **

CH2M HILL PLATEAU REMEDIATION COMPANY RADIOLOGICAL SURVEY REPORT (Submitted for Approval)	RSR No. L-1400506	Page 1 of 6
--	----------------------	-------------

Date 5/9/2014	Start/Stop Time 0800 / 1600	Area/Location 100K / 105KW / N/A / GYPSY CAMP	RWPR Rev. N/A
------------------	--------------------------------	--	------------------

Purpose of Survey: <input type="checkbox"/> Material Clearance Number: N/A Cleared to: N/A Rem Shipment: N/A Required Task: N/A Job Coverage: N/A <input type="checkbox"/> Verification survey @ = <D <D=No increase in audible count rate <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>N/A</td><td>Inches/Sec.</td><td>N/A</td><td>Inches Away</td></tr> <tr> <td>N/A</td><td>Count Time (Sec.)</td><td>N/A</td><td>% Surveyed</td></tr> <tr> <td>N/A</td><td># of Static Counts</td><td>N/A</td><td>Square Feet</td></tr> </table> <input type="checkbox"/> Verification survey @ = <D <D=No increase in audible count rate <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>N/A</td><td>Inches/Sec.</td><td>N/A</td><td>Inches Away</td></tr> <tr> <td>N/A</td><td>Count Time (Sec.)</td><td>N/A</td><td>% Surveyed</td></tr> <tr> <td>N/A</td><td># of Static Counts</td><td>N/A</td><td>Square Feet</td></tr> </table> <input checked="" type="checkbox"/> Other: Pre Demo verification survey	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	Description of Work / Comments: Completed "Verification" survey of the abandoned construction force facilities (GYPSY CAMP) in the 200-West area. Comments: Completed pre-demo "verification" survey of the abandoned construction services buildings in the 200-West area. Survey was as followed: 10% of each building based on the presence of biological vectors and suspect items. Scan surfaces at 2"/second at 1/4" pausing for 5 seconds at any elevated audible location. A minimum of four (4) technical smears were taken in each facility. Lead RCT Steve Myers added to this survey for technical review only.
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																						

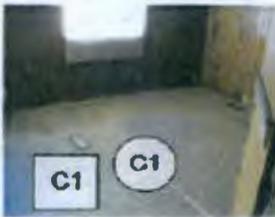
Contamination Measurements

No.	Description	† Manually Calculated by RCT													
		Background cpm		Direct Gross cpm/100 cm ²		Total dpm/100 cm ²		Correction Factor		Remarks					
		By	a	By	a	By	a	By	a	Type	By	a	By	a	
C1	MO-556	250	0	250	0	<5000	<500	10	10	Smear	250	0	<1000	<20	
C2	MO-841	250	0	250	0	<5000	<500	10	10	Smear	250	0	<1000	<20	
C3	2300-W	250	0	250	0	<5000	<500	10	10	Smear	250	0	<1000	<20	
C4	2309-W	250	0	250	0	<5000	<500	10	10	Smear	250	0	<1000	<20	
C5	2265-W	250	0	250	0	<5000	<500	10	10	Smear	250	0	<1000	<20	

Date Submitted: 06/09/2014 14:42:00

A-0014-663-SS (Rev. 4)

** Electronically Approved - L-1400506 on 6/9/2014 **

CH2M HILL PLATEAU REMEDIATION COMPANY RADIOLOGICAL SURVEY REPORT (Submitted for Approval)		RSR No. L-1400506	Page 2 of 6	
Map/Sketch				
				BUILDING MO-556
				
Map Name: GYPSY CAMP		Map Description: MO-556		
Legend	 Dose Measurement	 Air Sample	 Smear	
	 LAW	 Newton 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: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-053

FACILITY STATUS CHANGE FORM

** Electronically Approved - L-1400506 on 6/9/2014 **

CH2M HILL PLATEAU REMEDIATION COMPANY RADIOLOGICAL SURVEY REPORT (Submitted for Approval)		RSR No. L-1400506	Page 3 of 6
Map/Sketch			
		BUILDING MO-841	
Map Name: GYPSY CAMP		Map Description: MO-841	
Legend	<input checked="" type="checkbox"/> Direct Measurement	<input checked="" type="checkbox"/> Air Sample	<input checked="" type="checkbox"/> Smear
	<input checked="" type="checkbox"/> LAW	<input checked="" type="checkbox"/> Neutron Dose Rate	<input checked="" type="checkbox"/> Transferability
	<input checked="" type="checkbox"/> Field	<input checked="" type="checkbox"/> Contact	<input checked="" type="checkbox"/> Other Distance
	<input checked="" type="checkbox"/> Other Measurement		
----- (designation inside) ----- Radiological Area Boundary			Note: Dose Rates in mrem/hr unless otherwise noted.

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-053

FACILITY STATUS CHANGE FORM

FACILITY STATUS CHANGE FORM

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-053

** Electronically Approved - L-1400506 on 6/9/2014 **

CH2M HILL PLATEAU REMEDIATION COMPANY RADIOLOGICAL SURVEY REPORT (Submitted for Approval)	RSR No. L-1400506	Page 4 of 6
Map/Sketch		
BUILDING #2300W		
Map Name: GYPSY CAMP		Map Description: Building 2300W
Legend	<input type="checkbox"/> Direct Measurement <input type="checkbox"/> Air Sample <input type="checkbox"/> Smear <input type="checkbox"/> LAW <input type="checkbox"/> Neutron Dose Rate <input type="checkbox"/> Transferability <input type="checkbox"/> Field <input type="checkbox"/> Contact <input type="checkbox"/> Other Distance <input type="checkbox"/> Other Measurement	
	----- (designation made) ----- ----- Radiological Area Boundary -----	
		Note: Dose Rates in mrem/hr unless otherwise noted.

Date Submitted: 06/09/2014 14:42:00

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

** Electronically Approved - L-1400506 on 6/9/2014 **

CH2M HILL PLATEAU REMEDIATION COMPANY RADIOLOGICAL SURVEY REPORT (Submitted for Approval)	RSR No. L-1400506	Page 5 of 6
Map/Sketch		
		BUILDING #2309W
Map Name: GYPSY CAMP Map Description: Building 2309W		
Legend	<input type="checkbox"/> Direct Measurement <input type="checkbox"/> Air Sample <input type="checkbox"/> Smear <input type="checkbox"/> LAW <input type="checkbox"/> Neutron Dose Rate <input type="checkbox"/> Transferability <input type="checkbox"/> Field <input type="checkbox"/> Contact <input type="checkbox"/> Other Distance <input type="checkbox"/> Other Measurement (designation inside) Radiological Area Boundary Note: Dose Rates in mrem/hr unless otherwise noted.

Date Submitted: 5/28/2015

Area: 200 West Area

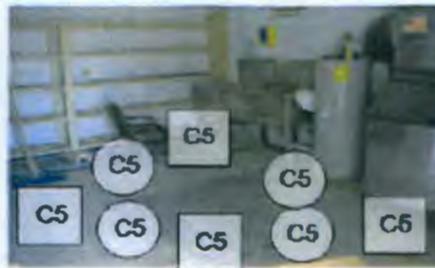
Control Number: D4-BOW-053

FACILITY STATUS CHANGE FORM

** Electronically Approved - L-1400506 on 6/9/2014 **

CH2M HILL PLATEAU REMEDIATION COMPANY RADIOLOGICAL SURVEY REPORT (Submitted for Approval)	RSR No. L-1400506	Page 6 of 6
--	------------------------------	-------------

Map/Sketch



**BUILDING #
226SW**

Map Name: GYPSY CAMP	Map Description: Building 226SW
----------------------	---------------------------------

Legend	<input checked="" type="checkbox"/> Direct Measurement	<input checked="" type="checkbox"/> Air Sample	<input checked="" type="checkbox"/> Smear	<input checked="" type="checkbox"/> LAW	<input checked="" type="checkbox"/> Neutron Dose Rate	<input checked="" type="checkbox"/> Transmutability	<input checked="" type="checkbox"/> Field	<input checked="" type="checkbox"/> Contact	<input checked="" type="checkbox"/> Other Distance	<input checked="" type="checkbox"/> Other Measurement
----- (designation inside) ----- Radiological Area Boundary										
Note: Dose Rates in mrem/yr unless otherwise noted										

Instruments			
Instrument Type	Ser Code No.	Probe Ser Code No.	Efficiency (Used)
LUCUM 2360	SCLE-0510	GYLP-0614	90.1 @0.1

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-155 are ≤ 10 times the b-g contamination levels shown above (see CHRC-00073, Table 2-2).

History	
2014-06-09 10:38:21	- Richardson, L. Dan - Submitted
2014-06-09 14:31:11	- Richardson, L. Dan - UnSubmitted: corrections on direct readings
2014-06-09 14:37:24	- Richardson, L. Dan - Submitted: made corrections on direct readings
2014-06-09 14:40:55	- Richardson, L. Dan - UnSubmitted: corrections on removable readings
2014-06-09 14:42:55	- Richardson, L. Dan - Submitted: corrections on removable readings

Date Submitted: 5/28/2015
Area: 200 West Area
Control Number: D4-BOW-053

FACILITY STATUS CHANGE FORM

FACILITY STATUS CHANGE FORM

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-053

*** Electronically Approved - L-1400506 on 6/9/2014 ***

User: RICHARDSON, LEONARD (H0051423)
Title: Contributor
Date: Monday, June 09, 2014, 2:42 PM Pacific Standard Time
=====

User: MYERS, STEVEN (H7301859)
Title: Contributor
Date: Monday, June 09, 2014, 2:49 PM Pacific Standard Time
=====

User: SIMS, MARK (H0003931)
Title: Reviewer
Date: Monday, June 09, 2014, 3:33 PM Pacific Standard Time
=====

ATTACHMENT 19

**FACILITY STATUS CHANGE FORMS FOR MO-847
D4-BOW-054**

**Consisting of 20 pages,
including this cover page**

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).

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

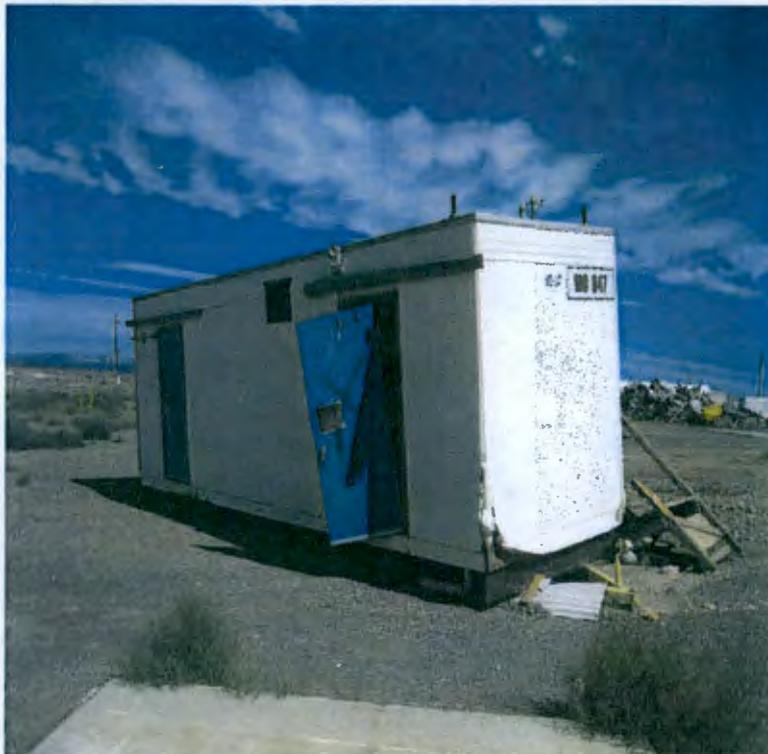
Area: 200 West Area

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 RADIOLOGICAL SURVEY REPORT (Submitted for Approval)						RSR No. L-1400509		Page 1 of 13						
Date 5/9/2014		Start/Stop Time 0600 / 1630		Area/Location 200W / Outside Areas / N/A / 200W Construction Shop Complex, north of 19th St				RWP/Rev. N/A						
Purpose of Survey: <input type="checkbox"/> Material Clearance Number: N/A Cleared to: N/A <input type="checkbox"/> Ram Shipment: N/A <input type="checkbox"/> Required Task: N/A <input type="checkbox"/> Job Coverage: N/A <input type="checkbox"/> 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 <input type="checkbox"/> Verification survey $\beta y = <D$ <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 <input checked="" type="checkbox"/> 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														
		Background cpm		Direct Gross cpm/100 cm ²		Total dpm/100 cm ²		Correction Factor		Removable				
										Gross (cpm)		dpm/100 cm ²		
No.	Description	βy	α	βy	α	βy	α	βy	α	Type	βy	α	βy	α
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

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

CH2M HILL PLATEAU REMEDIATION COMPANY RADIOLOGICAL SURVEY REPORT (Submitted for Approval)										RSR No. L-1400509				Page 2 of 13	
Contamination Measurements (Continued)															
† Manually Calculated by RCT															
No.	Description	Background cpm		Direct Gross cpm/100 cm²		Total dpm/100 cm²		Correction Factor		Type	Removable				
		βy	α	βy	α	βy	α	βy	α		Gross (cpm)	dpm/100 cm²			
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-B47	200	0	200	0	<5000†	<500†	10	10	Smear	200	0	<1000†	<20†	

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)

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

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

**RSR No.
L-1400509**

Page 3 of 13

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/yr 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

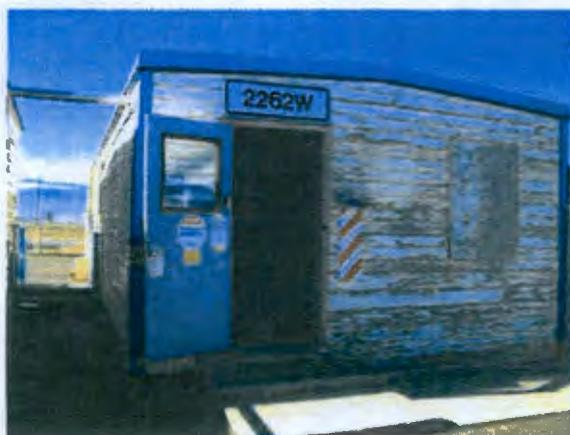
** Electronically Approved – L-1400509 on 5/16/2014 **

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

- 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

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

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-054

FACILITY STATUS CHANGE FORM

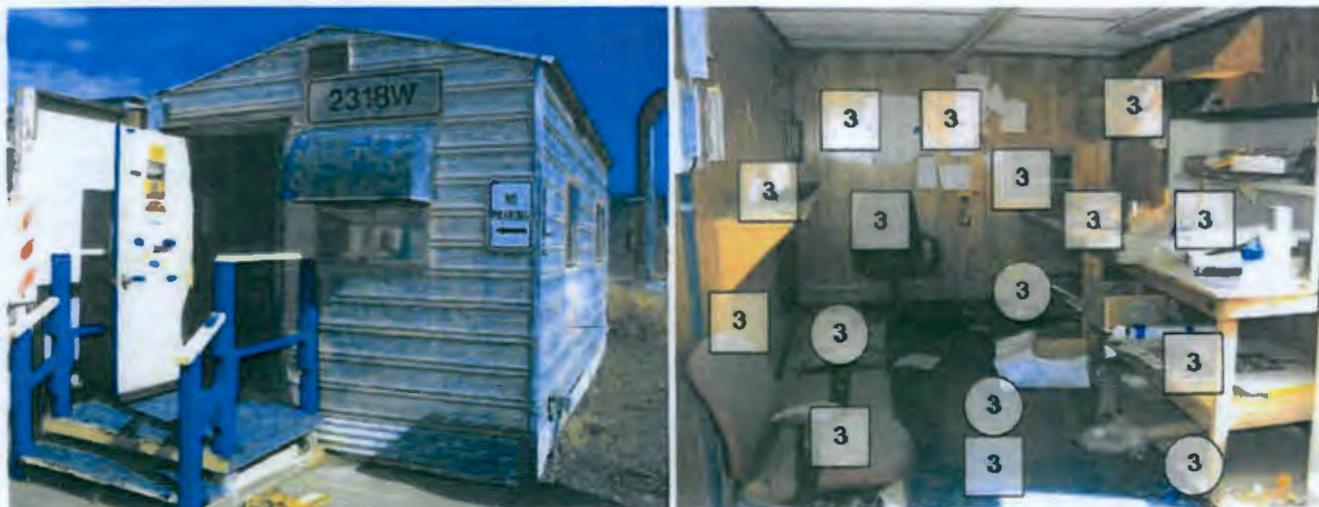
** Electronically Approved – L-1400509 on 5/16/2014 **

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

**RSR No.
L-1400509**

Page 5 of 13

Map/Sketch



Map Name: 2318W

Map Description: Structure & Interior

Legend	Direct Measurement	Air Sample	Smear	LAW	Neutron Dose Rate	T# Transferability	F# Field	C# Contact	D# Other Distance	M# Other Measurement
---------------	--------------------	------------	-------	-----	-------------------	--------------------	----------	------------	-------------------	----------------------

----- (designation inside) ----- Radiological Area Boundary

Note: Dose Rates in mrem/yr 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 **

**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	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 5/16/2014 **

CH2M HILL PLATEAU REMEDIATION COMPANY RADIOLOGICAL SURVEY REPORT (Submitted for Approval)	RSR No. L-1400509	Page 7 of 13
--	-----------------------------	--------------

Map/Sketch



Map Name: Connex CC2W494	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;">L# LAW</td> <td style="border: 1px solid black; padding: 2px;">◆ Neutron Dose Rate</td> <td style="border: 1px solid black; padding: 2px;">T# Transferability</td> <td style="border: 1px solid black; padding: 2px;">F# Field</td> <td style="border: 1px solid black; padding: 2px;">C# Contact</td> <td style="border: 1px solid black; padding: 2px;">D# Other Distance</td> <td style="border: 1px solid black; padding: 2px;">M# Other Measurement</td> </tr> <tr> <td colspan="5" style="text-align: center;">----- (designation inside) ----- Radiological Area Boundary</td> <td colspan="5" style="text-align: right;">Note: Dose Rates in mrem/yr unless otherwise noted.</td> </tr> </table>	# Direct Measurement	▲ Air Sample	⊕ Smear	L# LAW	◆ Neutron Dose Rate	T# Transferability	F# Field	C# Contact	D# Other Distance	M# Other Measurement	----- (designation inside) ----- Radiological Area Boundary					Note: Dose Rates in mrem/yr unless otherwise noted.				
	# Direct Measurement	▲ Air Sample	⊕ Smear	L# LAW	◆ Neutron Dose Rate	T# Transferability	F# Field	C# Contact	D# Other Distance	M# Other Measurement											
----- (designation inside) ----- Radiological Area Boundary					Note: Dose Rates in mrem/yr 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

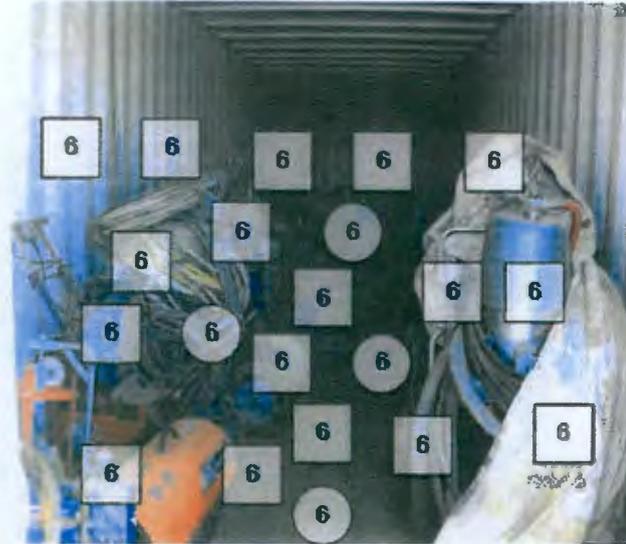
** Electronically Approved – L-1400509 on 5/16/2014 **:

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

RSR No.
L-1400509

Page 8 of 13

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

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

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-054

FACILITY STATUS CHANGE FORM

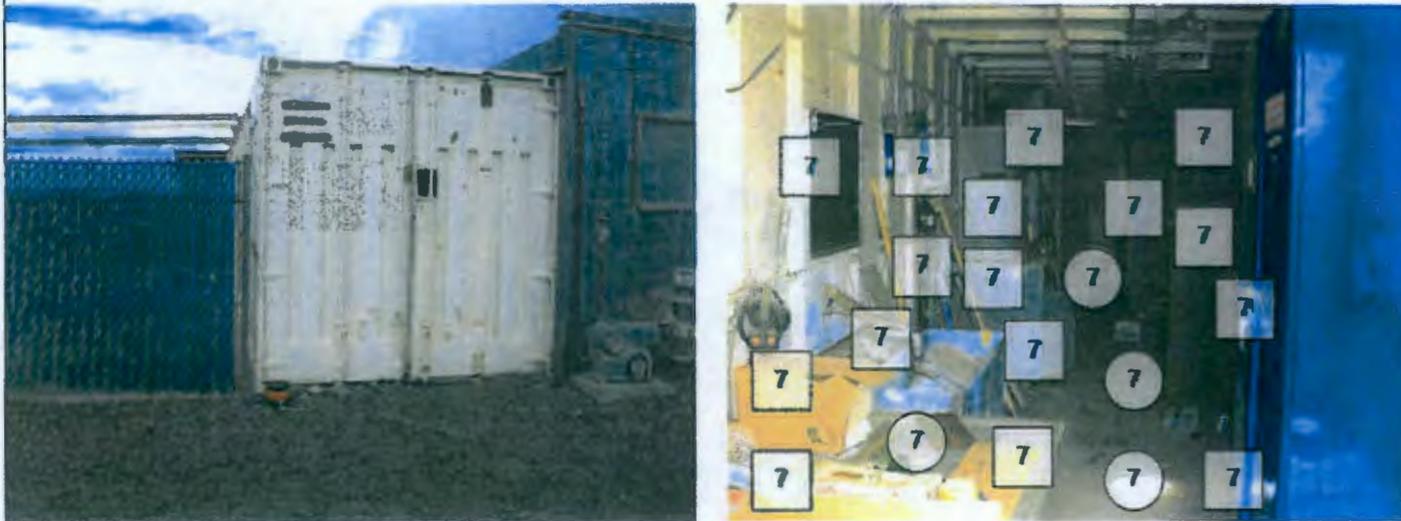
** Electronically Approved – L-1400509 on 5/16/2014 **

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

RSR No.
L-1400509

Page 9 of 13

Map/Sketch



Map Name: Unmarked White Connex Box

Map Description: Structure & Interior

Legend	# Direct Measurement	▲ Air Sample	⊕ Smear	L# LAW	◆ Neutron Dose Rate	T# Transferability	F# Field	C# Contact	D# 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 5/16/2014 **:

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

RSR No.
L-1400509

Page 10 of 13

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)

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-BOW-054

FACILITY STATUS CHANGE FORM

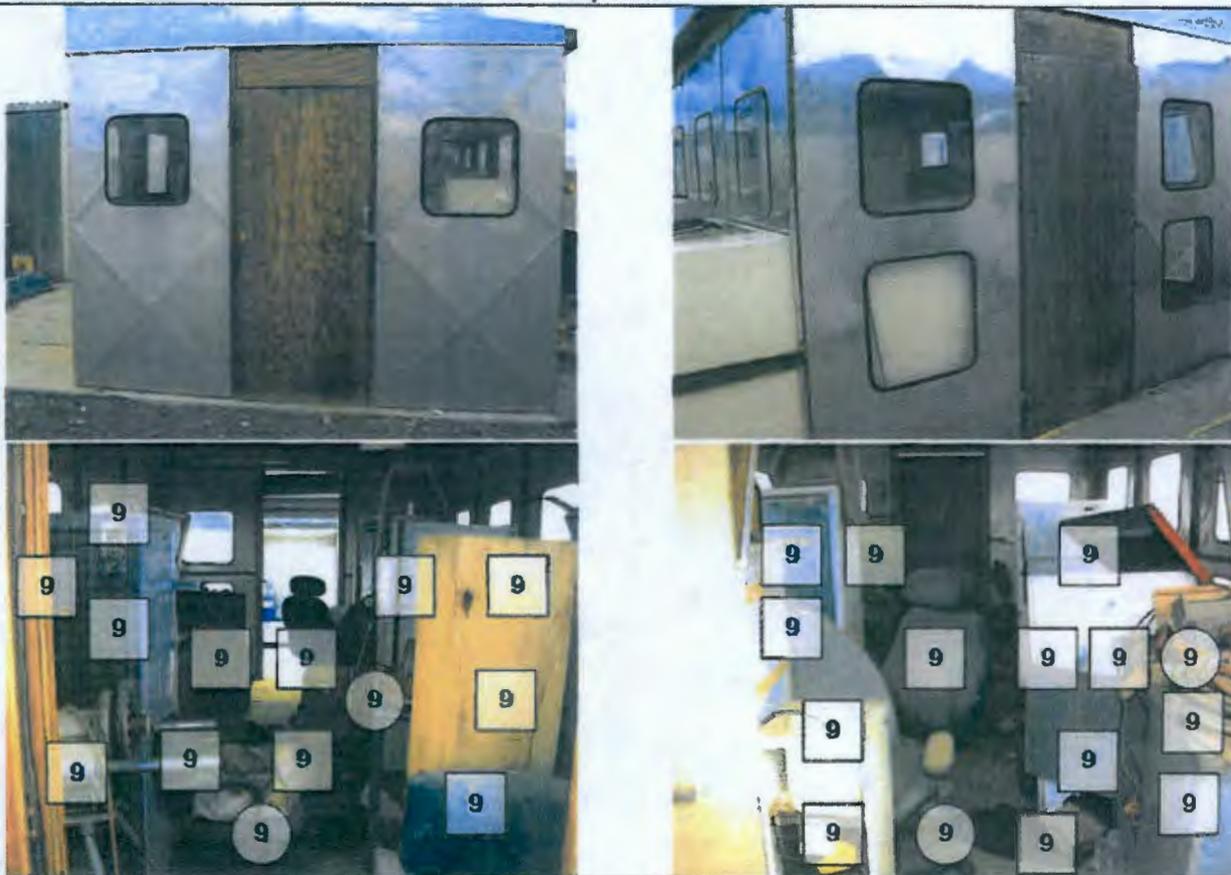
** Electronically Approved – L-1400509 on 5/16/2014 **

**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

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

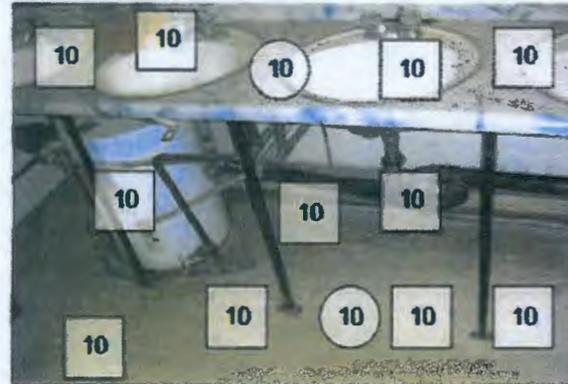
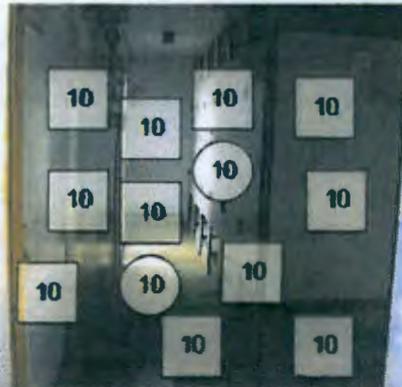
** Electronically Approved – L-1400509 on 5/16/2014 **

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

**RSR No.
L-1400509**

Page 12 of 13

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 5/16/2014 **:

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)
LUDLUM 2360	SCLL8-0431	DTLLP-0538	β0.10 α0.10
LUDLUM 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-155 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 (H6820981)
Title: Reviewer
Date: Friday, May 16, 2014, 3:58 PM Pacific Standard Time

ATTACHMENT 20

**FACILITY STATUS CHANGE FORMS FOR MO-956
D4-OUTER AREA-409**

Consisting of 13 pages,
including this cover page

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

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):

FACILITY STATUS CHANGE FORM

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-Outer Area 409

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 Wooley
DOE-RL (Print)

Wiley
Signature

Feb 17, 2016
Date

FACILITY STATUS CHANGE FORM

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-Outer Area 409

Attachment A



MO-956 Pre-Demolition

FACILITY STATUS CHANGE FORM

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-Outer Area 409



MO-956 During Demolition

FACILITY STATUS CHANGE FORM

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-Outer Area 409



MO-956 During Demolition

FACILITY STATUS CHANGE FORM

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-Outer Area 409



MO-956 Post-Demolition

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

Attachment B

Radiological Survey

** Electronically 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																									
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																									
Purpose of Survey: <input checked="" type="checkbox"/> Material Clearance Number: CSP-L-14-005-2, CSP-L-14-010-00 Cleared to: D&D workers <input type="checkbox"/> Ram Shipment: N/A <input type="checkbox"/> Required Task: N/A <input checked="" type="checkbox"/> Job Coverage: CP-14-05374 <input type="checkbox"/> Verification survey $\alpha = <D$ <D=No increase in audible count rate <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:15%;">N/A</td> <td style="width:25%;">Inches/Sec.</td> <td style="width:15%;">N/A</td> <td style="width:25%;">Inches Away</td> </tr> <tr> <td>N/A</td> <td>Count Time (Sec.)</td> <td>N/A</td> <td>% Surveyed</td> </tr> <tr> <td>N/A</td> <td># of Static Counts</td> <td>N/A</td> <td>Square Feet</td> </tr> </table> <input type="checkbox"/> Verification survey $\beta\gamma = <D$ <D=No increase in audible count rate <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:15%;">N/A</td> <td style="width:25%;">Inches/Sec.</td> <td style="width:15%;">N/A</td> <td style="width:25%;">Inches Away</td> </tr> <tr> <td>N/A</td> <td>Count Time (Sec.)</td> <td>N/A</td> <td>% Surveyed</td> </tr> <tr> <td>N/A</td> <td># of Static Counts</td> <td>N/A</td> <td>Square Feet</td> </tr> </table> <input type="checkbox"/> Other: N/A			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	Description of Work / Comments: Demolish 200W Abandoned CF (PACM) facilities (MO-956) at 200W 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. RCT added for technical review.			
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																														
Note: F = Field (≥ 30 cm) C = Contact (≤ 1 cm)																														
No.	Description	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				
		βy	α	βy	α	βy	α	βy	α		Gross (cpm)	dpm/100 cm ²			
											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	

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 3 of 4
--	----------------------	-------------

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/yr unless otherwise noted.		

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

A-6004-663-SS (Rcv. 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 4 of 4
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			

FACILITY STATUS CHANGE FORM

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-Outer Area 409

FACILITY STATUS CHANGE FORM

Date Submitted: 5/28/2015

Area: 200 West Area

Control Number: D4-Outer Area 409

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

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

User: MYERS, STEVEN (H7301859)
Title: Contributor
Date: Wednesday, October 22, 2014, 7:11 AM Pacific Standard Time

User: BIGGS, DANIEL (H6820961)
Title: Reviewer
Date: Sunday, October 26, 2014, 11:04 AM Pacific Standard Time
