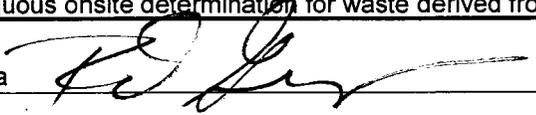


Control #: D4-100F-001**FACILITY STATUS CHANGE FORM**

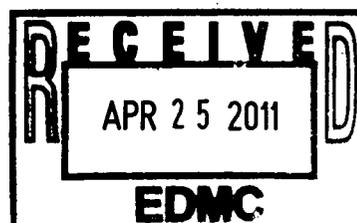
2. Pre and post Demolition Photographs.
 3. Global Positioning Environmental Radiological Surveyor (GPERS) Surveys
 4. Email concurrence of no PTE for MO-417 at F and MO-848 at H (CCN#157335)
 5. Noncontiguous onsite determination for waste derived from MO-417 and MO-848 (CCN#154751)

Rudy Guercia		4/13/11
DOE-RL		Date
N/A		
Lead Regulator	<input type="checkbox"/> EPA <input type="checkbox"/> Ecology	Date

DISTRIBUTION:

EPA: Dennis Faulk, B1-46
 Ecology: Rick Bond, H0-57
 DOE: Rudy Guercia, A3-04
 Document Control, H0-30
 Administrative Record, H6-08

SIS Coordinator: Benjamin Cowin, H4-22
 D4 EPL: Clay McCurley, X5-50
 Sample Design/Cleanup Verification: Megan Proctor, H4-22
 FR Engineering: Rich Carlson, N3-30
 FR EPL: Dan Saueressig, N3-30



FACILITY STATUS CHANGE FORM

Date Submitted: 4/12/2010 Originator: David Warren Phone: (509) 539-6040	Area: 100-F Facility ID: MO-417 Action Memorandum: General Hanford Site Decommissioning Activities	Control #: D4-100F-001
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This form documents agreement among the parties listed below on the status of the facility D&D operations and the disposition of underlying soil 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 operations deferred.

Description of Completed Activities and Current Conditions:

Decontamination and Decommissioning: If present, the following hazardous materials were removed prior to facility demolition: batteries, light bulbs, oils, grease, asbestos-containing material, mercury, refrigerant, and polychlorinated biphenyl (PCB) containing equipment. Hazardous material removal and waste disposition was performed in accordance with the *Removal Action Work Plan for River Corridor General Decommissioning Activities*, DOE/RL-2010-034.

Demolition: The trailer was demolished in place at the 100-F area in November of 2010, and the waste was loaded out and disposed of at the ERDF. There were no contaminants of concern for demolition. Also, based on past uses of this facility and radiological scoping survey results (see attachment 1), radiological contamination was not expected during demolition.

Description of Deferral (as applicable):

Not applicable.

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 Record of Decision.
- Potential waste site discovered during D4 operations. Waste site identification number <to be> assigned.
Cleanup and closeout to be addressed under Record of Decision.

Description of Current/As-Left Conditions:

MO-417 was demolished in place at the 100-F area and the waste generated was loaded out and disposed of at the ERDF. A minimal amount of soil was disturbed during the removal process. No backfill material was needed to re-grade the area. A Global Positioning Environmental Radiological Survey (GPERS) survey was performed at the site following D4 activities, see Attachment 3 for survey results. The previous building site is currently clear of Industrial Hygiene or Radiological postings.

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

No waste sites were associated with this facility.

Section 3: List of Attachments

1. Facility Information - Building History and Characterization

Attachment 1: Facility Information

Introduction

This document provides information regarding the history, characterization, and final status at the completion of deactivation, decontamination, decommissioning, and demolition (D4) activities of MO-417 at the 100-F area.

Building History:

MO-417 was a 28'x 66' Mobile Trailer located within the 100-F area of the Hanford Site, northeast of the F Reactor just off of F Avenue. As was the case with most of the mobile trailers on the Hanford site, the primary purpose of the trailer was to provide office space and storage for ongoing remediation activities. It had 11 interior rooms and was constructed primarily of sheet metal and plywood on metal frames. The interior had plywood paneling on the walls, fiberboard drop ceiling tiles, and carpeting over vinyl floor sheeting. The trailer was equipped with two 250 gallon wastewater holding tanks to support restrooms, there were two wall mount HVAC units located on each end of the trailer.

Prior to demolition, the MO-417 office trailer had most recently been used as an office during the Interim Safe Storage (ISS) project for the 105-F Reactor Building. The trailer had remained active after the project was completed. Previous to that the trailer was used in the 100-BC Area during the ISS project for the 105-BC Reactor, and was moved to F area in 2000. Prior to 1996 the facility had been used by Kaiser Hanford personnel in the 3000 Area.

This trailer was classified as a Type II facility. A Type II facility is considered potentially contaminated by past operations or processes that used hazardous or radioactive materials and represents a potential for a release to the environment during D4 activities. Based on past uses of this facility, radiological contamination was not expected. However, prior to demolition activities, the facility was surveyed to identify any contamination that may have been introduced by biological vectors (mud daubers).

The trailer had electrical power. Heat pumps supplied cooling and heating to the unit. This facility was not posted for radiological conditions, or on the Hanford Beryllium facilities list.

Building Characterization:

Table 1 summarizes the industrial hygiene, radiological control, and asbestos samples collected in the MO-417 Mobile Office Building. Table 2 summarizes the contaminants of concern for facility demolition and the Management Practices implemented to minimize spread of those contaminants.

Table 1. Summary of Samples Collected for the MO-417 mobile office trailers

Type	Quantity	Method Detection Limits	Results
Radiological Scoping surveys	2 surveys (1 inside and 1 outside) with multiple direct reading and smear locations	Beta-gamma – 1,000 removable/ 5,000 fixed ^a Alpha – 20 removable/ 500 fixed ^a	All results were less than the method detection limit.
Global Positioning Environmental Radiological Surveys	1 Survey with both Beta and Gamma components	N/A	All results were less than two times background. It should be noted that readings under two times the background count are considered insignificant.

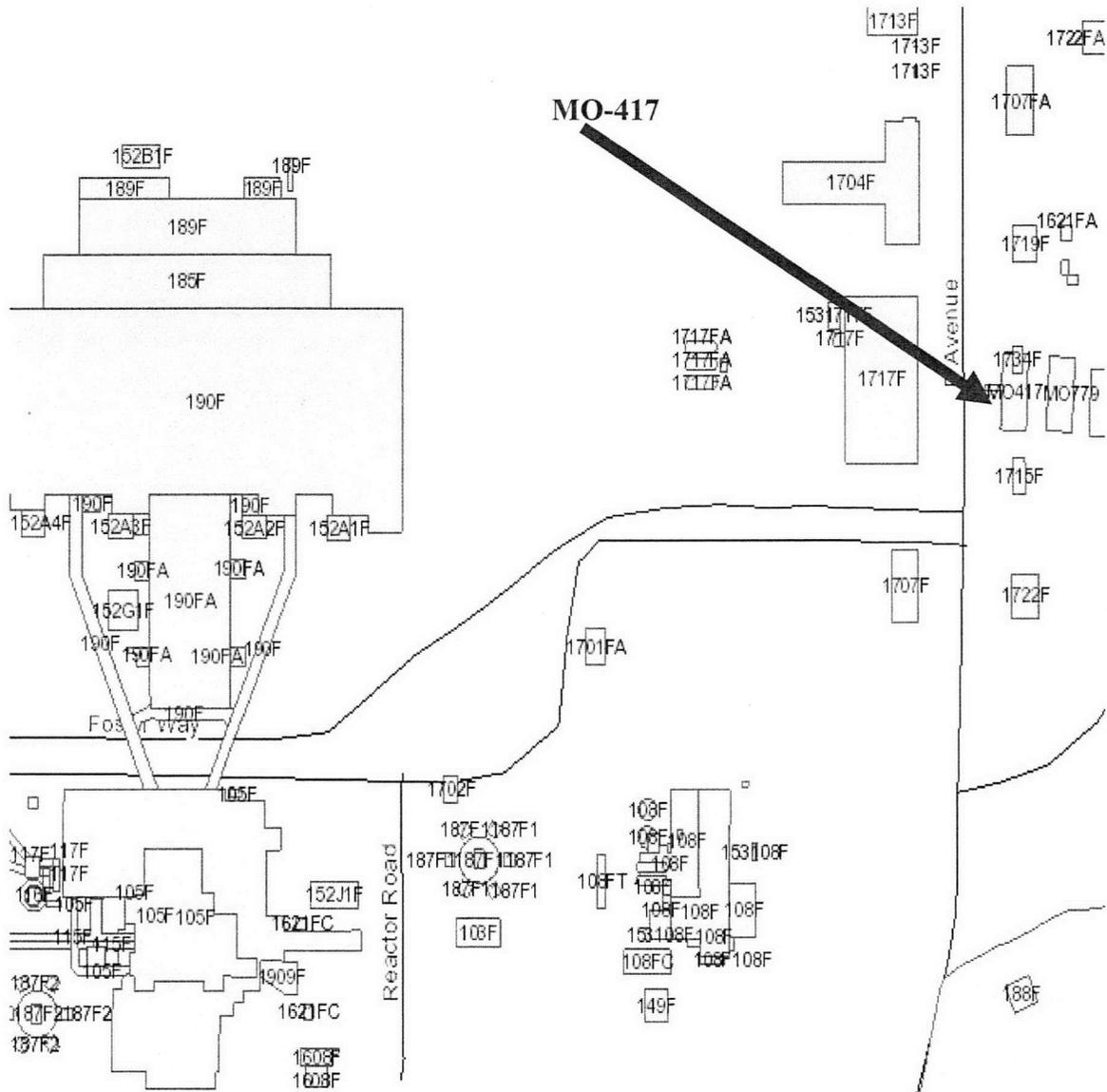
Method Detection Limits			
Contaminant	Quantity	Method	Results
Industrial Hygiene Scoping Surveys for Beryllium (Bulk and Wipe Samples)	2 Bulk samples	Beryllium – Bulk Sampling- 0.0002 µg/g	All results were below the Interim Correction Action Level of 0.1µg/g issued by the Department of Energy.
	2 Wipe samples	Wipe Sampling - 0.005 µg/100cm ²	
Asbestos – Thermal System Insulation and Miscellaneous Material	14	<1% weight	All of the materials sampled were below the Method Detection Limit.
^a – dpm/100 cm ²			

Table 2. Contaminants of Concern for Facility Demolition

Contaminant of Concern	Management Practice
None	There were no contaminants of concern for facility demolition, however, dust suppression was utilized to control nuisance dust and fugitive emissions.

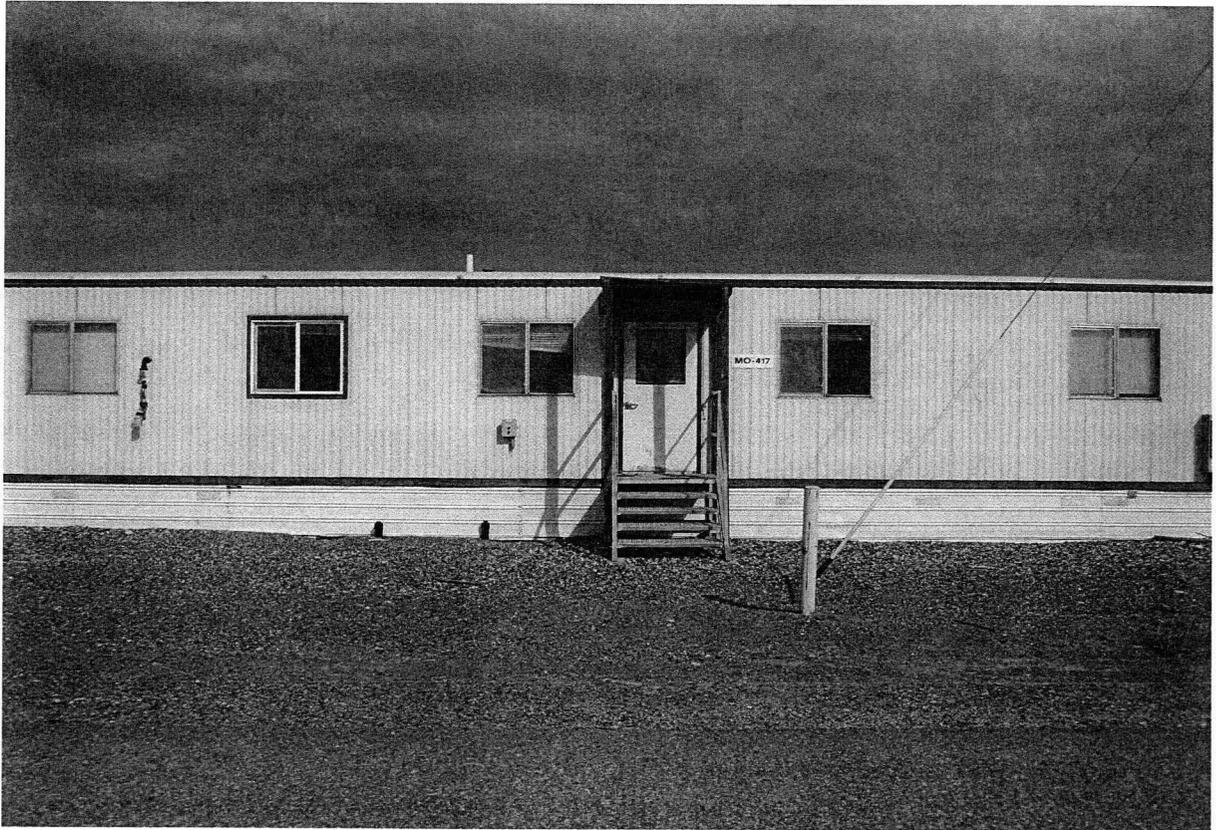
**Attachment 2: Map showing location of MO-417 at 100-F.
Pre and Post Demolition Photographs**

Map

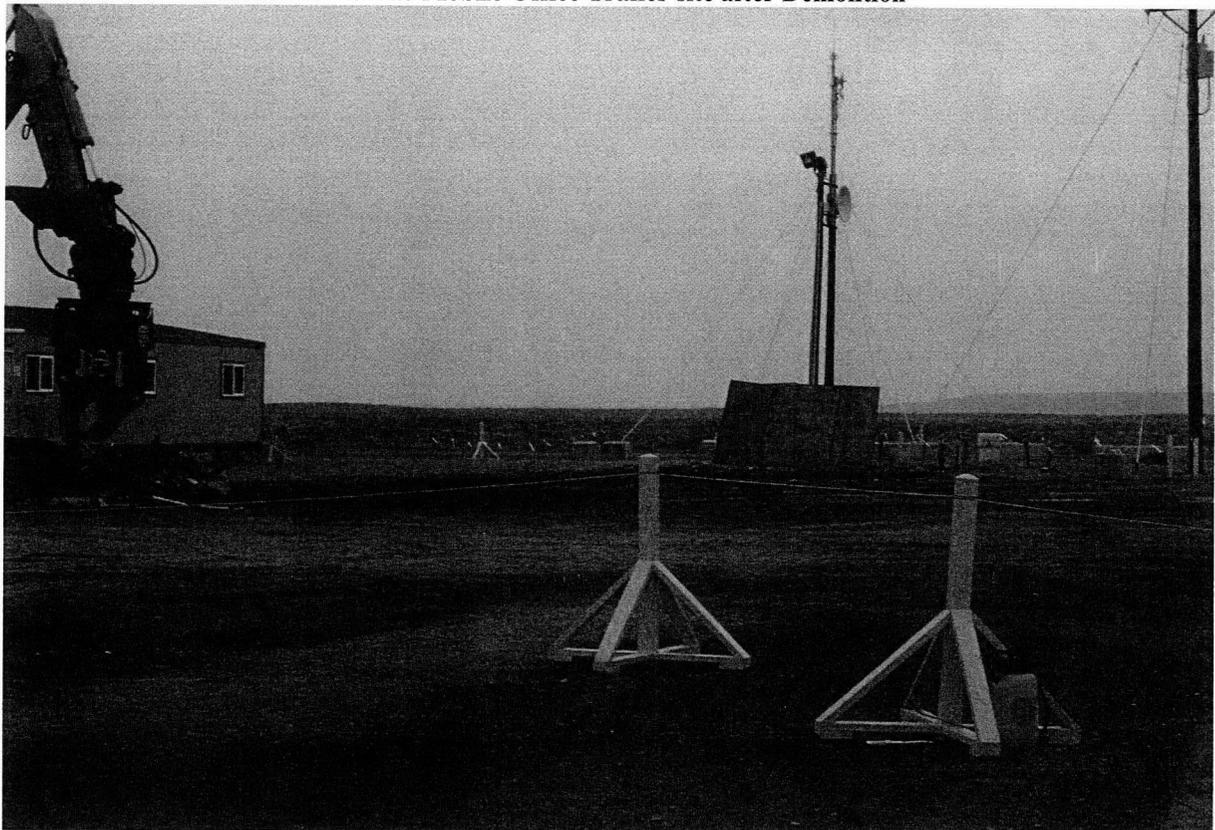


Attachment 2: Pre and post demolition Photographs

MO-417 Mobile Office Trailer before Demolition



MO-417 Mobile Office Trailer site after Demolition

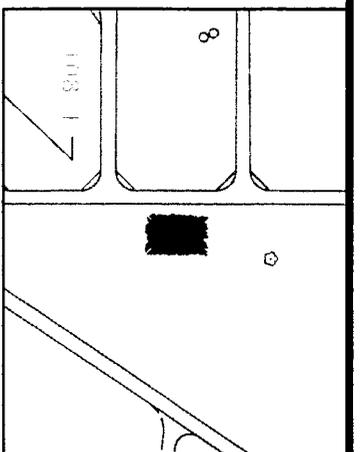
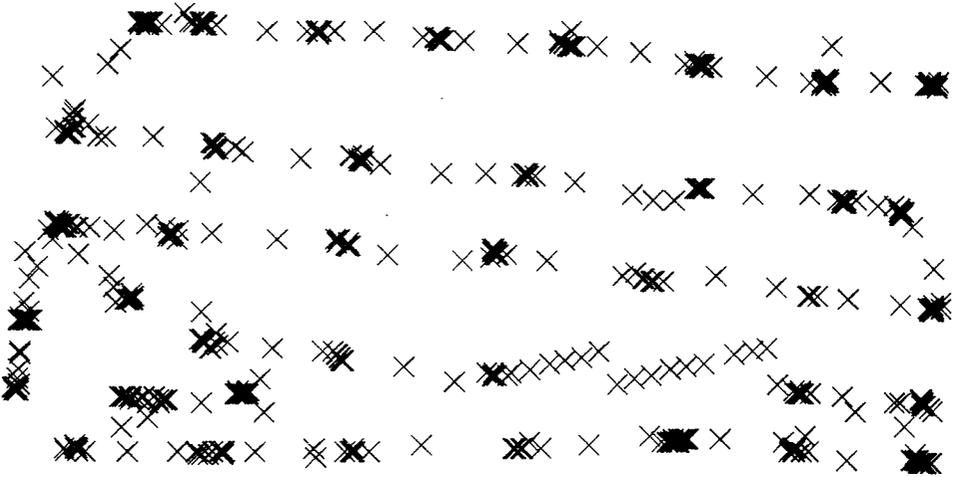


MO-417 MOBILE OFFICE FACILITY COMPLETION

Attachment 3: GPERS Surveys



Bkg Location 
441 cpm



Site View

Copy

Legend

- X < 882
- 882 - 5000
- 5000 - 10000
- 10000 - 25000
- > 25000

Summary Statistics

Coverage File: F312_...
 Number of Data Pnts: 709
 Type of Survey: 'Beta'
 Max GCPM: 666
 Avg Bkg CPM: 441
 Survey Date: 11/08/2010
 Area Surveyed: 1771 m²
 Project File: F312_...
 Pdf File: ESRFRM100140BC

100F Field Remediation

MO417

GPERS Radiological Survey

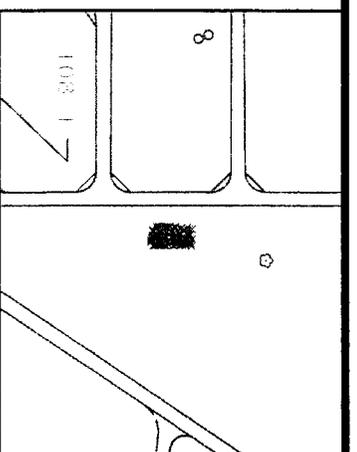
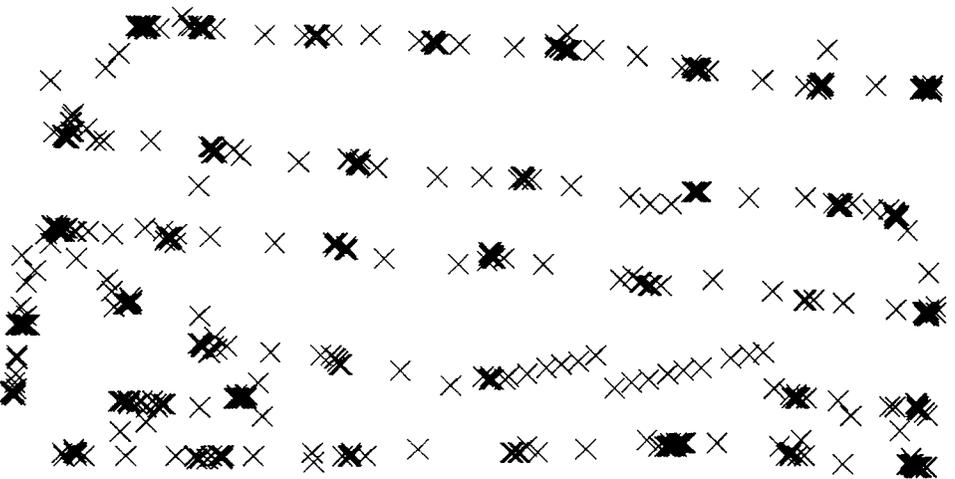
Beta Track Map



Survey Map Prepared By Bruce Coomer, ESI



Bkg Location  1114 cpm



Site View

Copy

Legend

NET CPM

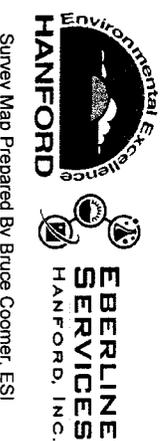
- X < 2228
- 2228 - 5000
- 5000 - 10000
- 10000 - 25000
- > 25000

Summary Statistics

Coverage File: F312
 Number of Data Pnts: 709
 Type of Survey: Gamma
 Max GCPM: 1828
 Avg Bkg CPM: 1114
 Survey Date: 11/08/2010
 Area Surveyed: 171 m²
 Project File: F312
 Pdf File: ESRFRM100140GC

100F Field Remediation MO417

GPERS Radiological Survey Gamma Track Map



Attachment 4: E-mail concurrence of No PTE for MO-417 at F and MO-848 at H (CCN#157335)

From: Warren, David J
Sent: Tuesday, March 22, 2011 9:53 AM
To: ^WCH Document Control
Subject: Document Chron

Attachments: No PTE MO-417 & 848.pdf

The attached document represents a regulatory agreement. Please Chron it as "DOE approval of No PTE for MO-417 & 848". Thanks.

Dave Warren
100-N Area Environmental Specialist
539-6040



No PTE MO-417 &
848.pdf (137 K...

Warren, David J

From: Guercia, Rudolph [Rudolph.Guercia@rl.doe.gov]
Sent: Thursday, October 07, 2010 5:51 AM
To: Warren, David J
Cc: McCurley, Clay D
Subject: RE: No PTE for MO-417 at F and MO-848 at H

I just tossed signed hard copies in the plantmail back to Dave

RF Guercia
Field Engineering, Richland Operations Office
(509) 376-5494/(509) 373-0726 fax

From: Warren, David J [mailto:djwarren@wch-rcc.com]
Sent: Wednesday, October 06, 2010 7:07 AM
To: Guercia, Rudolph
Cc: McCurley, Clay D
Subject: No PTE for MO-417 at F and MO-848 at H

Rudy,

Section 9.0 of the **Action Memorandum for General Hanford Site Decommissioning Activities**, DOE/RL-2010-22, Rev. 0, establishes the U.S. Department of Energy (DOE) as lead agency for the proposed removal action. This removal action includes scope managed under the **Removal Action Work Plan for River Corridor General Decommissioning Activities**, DOE/RL-2010-34, Rev. 0.

WCH is currently preparing to demolish MO-417 at 100-F Area, and MO-848 at 100-H Area. This work falls within the scope documented in DOE/RL-2010-34, Rev. 0. Accordingly facility histories are attached that establish current conditions based on completed scoping surveys. DOE's concurrence is requested on the determination that an emissions estimate is not required prior to performing removal actions on these facilities. This request to DOE, as lead agency, is consistent with the methodology established in Section 4.3.2 of the current **Removal Action Work Plan for River Corridor General Decommissioning Activities**, (DOE/RL-2010-34, Rev. 0).

Please call if you have any questions.

Thank you,

Dave Warren
100N Area EPL
539-6040

<< File: No PTE MO-848.doc >>

<< File: No PTE MO-848.doc >>

10/11/2010

Mobile Office Building MO-417

Facility Description:

The MO-417 mobile office trailer is a double wide transportable mobile office located in the 100-F Area off of F Avenue, northeast of the 105-F reactor building. The mobile office trailer is a double wide 28' x 66' transportable metal clad building on a steel frame. No construction drawings were found for this facility. The mobile office trailer consists of a total of 11 interior rooms with carpet flooring material. The rooms have fake wood paneling with a 4 inch vinyl cove base around the floor to the panel transition. The false ceiling material appears to be primarily composed of acoustic style panels. The exterior under portion of the trailer is currently open. The roof has a slight pitch and appears to be in poor condition. The building is equipped with two 250 gallon wastewater holding tanks to support restrooms located within the trailer. There are two HVAC units on the south end of the mobile trailer.

Facility Location:

MO-417 is located in the 100-F Area off of F Avenue, northeast of the 105-F reactor building.

Facility History:

The MO-417 office trailer was most recently used as an office during the Interim Safe Storage (ISS) project for the 105-F Reactor Building. The trailer has remained active after the project was completed. Previous to that the trailer was used in the 100-BC Area during the ISS project for the 105-BC Reactor, and was moved to F area in 2000. Prior to 1996 the facility had been used by Kaiser Hanford personnel in the 3000 Area.

Currently the trailer is inactive and electrical service to the building has been disconnected.

Radiological Contaminants of Concern:

Scoping surveys (RSR-100N-10-1912 for the interior and RSR-183-H-0342 for the exterior) completed in September of 2010 found no contamination. Scoping surveys of the roof and underside of the trailer were not conducted.

Chemical Contaminants of Concern:

MO-417 contains minor amounts of contaminants of concern associated with lighting and air conditioning service (e.g., lead, mercury, PCBs, and CFCs). Asbestos sampling has been conducted, results have not been received as of yet.

Concur:



10/7/10

Mobile Office Building MO-848

Facility Description:

The MO-848 mobile trailer is a single wide transportable mobile trailer located in the 100-H Area north of the 105-H reactor building. The trailer is a single wide one room 240 square foot transportable metal clad building on a steel frame. No construction drawings were found for this facility. The mobile office trailer consists of 1 room with 12x12 and 12x8 tile flooring and plastic baseboard. The walls and ceiling panels are press board and the roof is flat. There is a small wall mounted HVAC unit on the front end of the mobile trailer.

Facility Location:

MO-848 is located in the 100-H Area, north of the 105-H reactor building.

Facility History:

The MO-848 mobile trailer was most recently used as an radiological count facility during the demolition and Interim Safe Storage (ISS) project for the 105-H Reactor Building. Interviews and review of historical documentation indicate that this facility has always been

Currently the building is inactive and electrical service to the building has been disconnected.

Radiological Contaminants of Concern:

Scoping surveys (RSR-100N-10-1913 for the interior and RSR-183H-10-0341 for the exterior) completed in September of 2010 found no contamination. Scoping surveys of the roof and underside of the trailer were not conducted.

Chemical Contaminants of Concern:

MO-848 contains minor amounts of contaminants of concern associated with lighting and air conditioning service (e.g., lead, mercury, PCBs, and CFCs). Asbestos sampling has been conducted, results have not been received as of yet.

concur

A large, stylized handwritten signature in black ink, appearing to be 'R. J. G.' followed by a long horizontal flourish.

10/27/10

**Attachment 5: Noncontiguous onsite determination for waste derived from MO-417 and MO-848
(CCN#154751)**

^WCH Document Control

154751

From: McCurley, Clay D
Sent: Friday, November 05, 2010 6:40 AM
To: ^WCH Document Control
Cc: Warren, David J; Flannery, Michael (Mike) D; Reese, Dennis E
Subject: Noncontiguous onsite determination for waste derived from MO-417 and MO-848

Folks. Please chron this email per the subject. Thanks. Clay

From: Bond, Rick (ECY) [mailto:FBON461@ECY.WA.GOV]
Sent: Thursday, November 04, 2010 5:25 PM
To: Guercia, Rudolph F; Warren, David J
Cc: McCurley, Clay D
Subject: RE: Noncontiguous onsite determination for waste derived under the General Facilities Decommissioning RAWP

No issues. Ecology approves this action.
Thanks,

Rick Bond

Facility Transition Project Manager
Washington State
Department of Ecology
FBON461@ECY.WA.GOV
(509) 372-7885

From: Guercia, Rudolph [mailto:Rudolph.Guercia@rl.doe.gov]
Sent: Thursday, November 04, 2010 12:39 PM
To: Warren, David J; Bond, Rick (ECY)
Cc: McCurley, Clay D
Subject: RE: Noncontiguous onsite determination for waste derived under the General Facilities Decommissioning RAWP

I approve, Rick, let me know what issues you might have.

RF Guercia

From: Warren, David J [mailto:djwarren@wch-rcc.com]
Sent: Thursday, November 04, 2010 11:43 AM
To: Guercia, Rudolph; Bond, Fredrick W
Cc: McCurley, Clay D
Subject: Noncontiguous onsite determination for waste derived under the General Facilities Decommissioning RAWP

Rudy/Rick,

11/8/2010

154751

WCH is pursuing demolition of office trailers MO-848 (at 100-H) and MO-417 (at 100-F). This work is being performed under the Removal *Action Work Plan for River Corridor General Decommissioning Activities* (DOE/RL-2010-34). A small amount of hazardous materials (light tubes and ballasts, mercury thermostats, door actuator oils, etc.), mostly for recycling, will be removed and managed under this RAWP subsequent to the demolition of the trailers. Section 4.2.2 of the RAWP specifies that the management of waste is to be performed in the Building Footprint Area (BFA), or Onsite Area which is described as being the immediate group of buildings in that vicinity. WCH D4 currently does not have waste storage areas set up at either of those two locations. WCH would like to request a noncontiguous onsite determination to manage the small amount of waste derived from these hazardous material removal activities at the 100-N Area waste storage area. Being that the amount of materials to transport will be small, WCH feels that this would be the most cost efficient and environmentally sound practice of managing the waste. The remainder of the building demolition debris will be managed at the demolition site and disposed of at the ERDF.

Please let me know if each of you approve of this noncontiguous onsite determination. Contact me if you have any questions. Thanks.

Dave Warren
100N Area Environmental Specialist
539-6040

11/8/2010