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TRI-PARTY AGREEMENT

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|---|------------------------|--|
| Change Notice Number TPA-CN- 0738 | TPA CHANGE NOTICE FORM | Date: 8/5/2016 |
| Document Number, Title, and Revision: Removal Action Work Plan for River Corridor General Decommissioning Activities, April 2013, DOE/RL-2010-34, Rev. 2 | | Date Document Last Issued: 4/8/2015 |

1220239

Approved Change Notices Against this Document: TPA-CN-706

Originator: R.F. Guercia Phone: 509 376-5494

Description of Change:
 Adds 10 buildings associated with the Research Technology Laboratory to the General Decommissioning RAWP.

RF Guercia and D. Einan & S. Schleif agree that the proposed change
DOE Lead Regulatory Agency
 modifies an approved workplan/document and will be processed in accordance with the Tri-Party Agreement Action Plan, Section 9.0, *Documentation and Records*, and not Chapter 12.0, *Changes to the Agreement*.

The following change is authorized:
 Replace pages 1-1, 1-2, 1-3, 1-8, 1-9 and 1-11 with attached.
 Added text is shown in double underline.

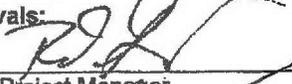
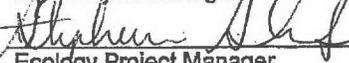
Note: Include affected page number(s): 1-1, 1-2, 1-3, 1-8, 1-9, and 1-11

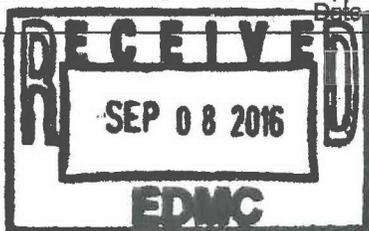
Justification and Impacts of Change:
 Removal Action Work Plan for River Corridor General Decommissioning Activities (RAWP), DOE/RL-2010-34, Rev. 2, documents activities to be performed to achieve the non-time-critical removal action (NTCRA) for surplus facilities located in various areas within the scope of the River Corridor project on the Hanford Site. The removal process is achieved through the deactivation, decontamination, decommissioning, and demolition (D4) of surplus facilities. Both the RAWP and Action Memorandum for General Hanford Site Decommissioning Activities, DOE/RL-2010-22, Rev. 1, allow for inclusion of additional buildings provided they are sufficiently similar to buildings/structures already included in the NTCRA scope.

The following Research Technology Laboratory (RTL) facilities are added to the RAWP for River Corridor General Decommissioning Activities, based on potential for contamination-RTL510, RTL520, RTL524, RTL530, RTL540, RTL550, RTL560, RTL570, RTL580, and RTL590. These facilities were not included in Section 1.1, Table 1.1, of the RAWP. DOE finds that decommissioning and demolition of the 10 RTL facilities listed below are necessary. In accordance with section I of the Action Memorandum for General Hanford Site Decommissioning Activities, DOE/RL-2010-22, DOE has chosen, with regulator concurrence, to remove the RTL Complex facilities. The RTL facilities are sufficiently similar to other 100N and 400 Area buildings/structures already included in the River Corridor NTCRA scope and a reasonable basis exists to include them in the RAWP, Table I- 1, Building/Structure list.

The RTL facilities are sufficiently similar to other facilities in this RAWP, as they have similar contaminants (plutonium, uranium, beryllium, asbestos, cesium, and strontium):
 RTL510 AND RTL 530-1120N, RTL520-105B Washpad annex, RTL524-105ND, RTL540-4704N,
 RTL550-4760, RTL560-4722C, RTL570-331G, RTL580-4722B, RTL590-4732A

Approvals:

| | | |
|---|----------|---|
|  | 9/6/16 | <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Disapproved |
| DOE Project Manager | Date | |
|  | 6 sep 16 | <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Disapproved |
| EPA Project Manager | Date | |
|  | 9/6/16 | <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Disapproved |
| Ecology Project Manager | Date | |



1100-EM-3

Add the following to Page 1-1

Removal activities could occur within any River Corridor Project location to include the 100, 300, 400, 600 and 1100 Areas of the Hanford Site.

Add the following to page 1-2:

Add a new Figure 1-1 to show location of the 1100 Area

Add the following to page 1-3:

Table 1-1 provides a list of the building/structures in the 100, 300, 400, 600 and 1100 Areas that have been identified to undergo D4 through implementation of this RAWP as they become excess.

Add the following to Table 1-1 page 1-8

| Building Number | Area | Approximate Waste Quantity (ton) |
|--|-------------|----------------------------------|
| <u>RTL510 Chemical and Flammable Storage °</u> | <u>1100</u> | <u>107</u> |
| <u>RTL520 Research Technology Building °^p</u> | <u>1100</u> | <u>46800</u> |
| <u>RTL524 Fire Riser Building °</u> | <u>1100</u> | <u>36</u> |
| <u>RTL530 Contaminated Storage °</u> | <u>1100</u> | <u>32</u> |
| <u>RTL540 Storage °</u> | <u>1100</u> | <u>150</u> |
| <u>RTL550 Maintenance Shop °</u> | <u>1100</u> | <u>808</u> |
| <u>RTL560 Utility Building °</u> | <u>1100</u> | <u>727</u> |
| <u>RTL570 Autoclave °</u> | <u>1100</u> | <u>126</u> |
| <u>RTL580 Craft Shop °</u> | <u>1100</u> | <u>268</u> |
| <u>RTL590 Warehouse °</u> | <u>1100</u> | <u>741</u> |

Add the following to the footnotes on page 1-9

°Added by TPA-CN-0738

^pIncludes Connex boxes and vault removal

Add the following to page 1-11

These areas include the 100 Areas, 300 Area, 400 Area, 600 Area and 1100 Area (Figure 1-1).

1.0 INTRODUCTION

This removal action work plan (RAWP) implements the River Corridor-related workscope selected by the *Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA)*, DOE/RL-2010-22, *Action Memorandum for General Hanford Site Decommissioning Activities (Action Memorandum)* (DOE-RL 2010a), which was based on DOE/RL-2010-14, *Engineering Evaluation/Cost Analysis for General Hanford Site Decommissioning Activities* (DOE-RL 2010b). Specifically, this RAWP will be used for the decommissioning of Hanford excess industrial buildings and structures, and cleanup of miscellaneous debris that are located within the River Corridor Project. This RAWP is one of several being developed to implement the activities covered in the Action Memorandum. The rationale for multiple RAWPs is to facilitate implementation of the workscope by U.S. Department of Energy, Richland Operations Office (DOE-RL) contractors in accordance with their separate contracts, procedures, and processes.

This RAWP implements the deactivation, decontamination, decommissioning, and demolition (D4) of excess industrial buildings, structures¹, and debris² within the scope of the River Corridor Project at the Hanford Site. Removal activities could occur within any River Corridor Project location to include the 100, 300, 400, 600 and 1100 Areas of the Hanford Site. Excess industrial buildings, structures, and solid waste debris are owned and managed by DOE-RL in Benton County, Washington (Figure 1-1). The facilities were constructed and operated in support of the overall Hanford reactor and research missions.

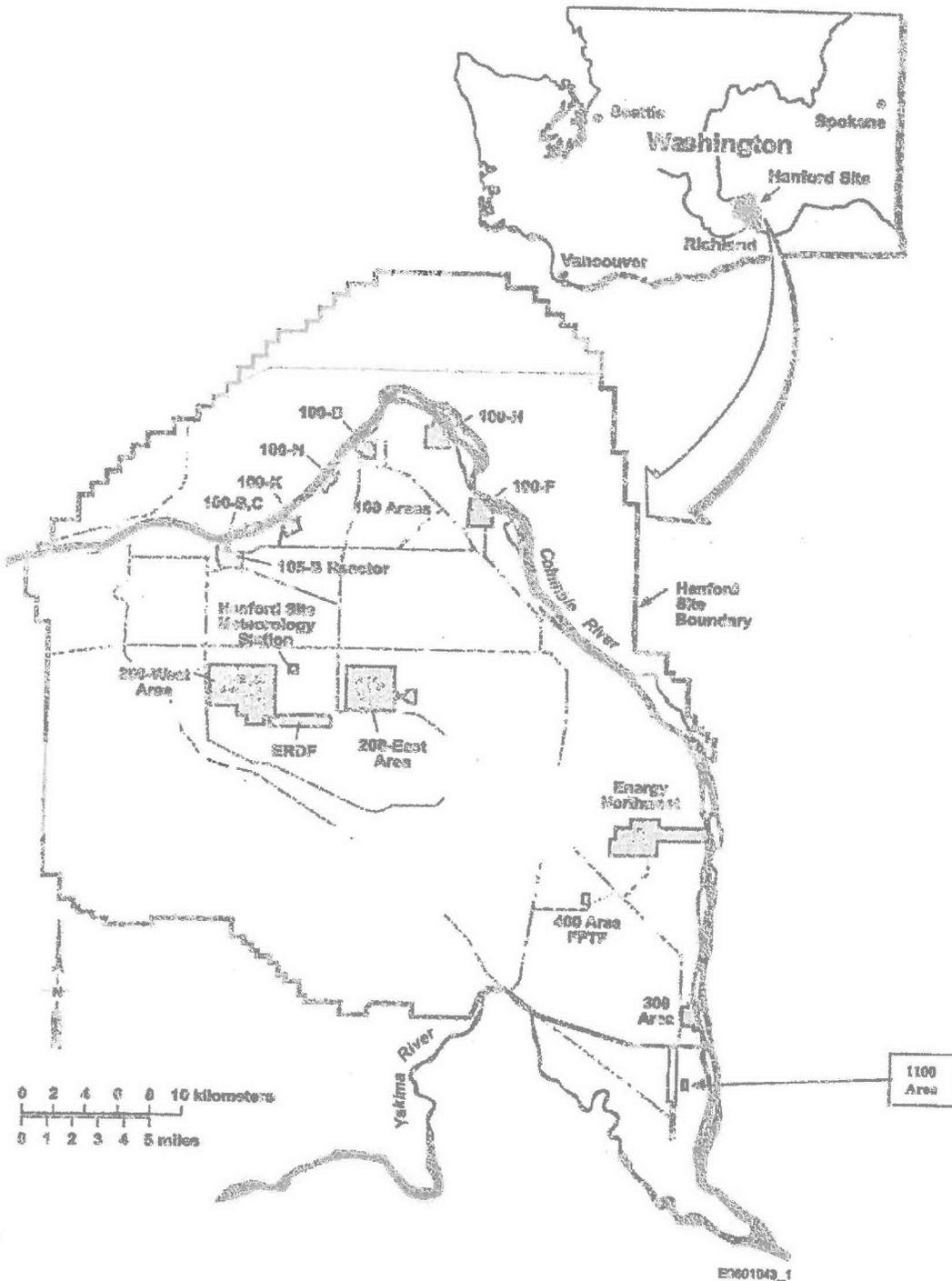
The Hanford Site includes nearly 1,000 buildings/structures that are or have been used to support site activities. Many of these buildings/structures were not used for radiological or chemical processing but may have some incidental contamination from proximity to other buildings/structures. The debris is located throughout the Hanford Site and includes miscellaneous waste forms such as telephone poles, abandoned rail track, concrete rubble, wood, glass, and brick that may contain some radiological or chemical components. Hanford excess industrial buildings/structures are potentially contaminated with radioactive and chemical hazardous substances and are generally small, wood-framed, metal, cinder block, or concrete structures used for offices, change rooms, material storage buildings, or effluent monitoring buildings. To qualify under this Non-Time-Critical Removal Action (NTCRA), the buildings/structures must meet the following criteria:

- The buildings/structures are suitable for routine decommissioning and/or demolition methods.

¹ The terms "buildings" and "structures" is used to generically encompass all of the contaminated, potentially contaminated surface and subsurface structures, buildings, foundations, above ground utilities, fencing, pipelines, ducting, etc., associated with this removal action.

² The term "debris" is used to refer to contaminated and potentially contaminated miscellaneous waste forms (e.g., telephone poles, abandoned rail track, concrete rubble, wood, glass, brick).

Figure 1-1. Hanford Site Map.



- The buildings/structures/debris have not been addressed by another approved CERCLA decision document or *Resource Conservation and Recovery Act of 1976* (RCRA) closure plan for which the implementation would eliminate the release or threat of release of hazardous substances to the environment.

1.1 PURPOSE AND OBJECTIVE OF THE REMOVAL ACTION WORK PLAN

The purpose of this RAWP is to establish the methods and activities required to perform the following functions:

- Complete D4 of excess industrial buildings and structures (e.g., building contents, aboveground structures, on-grade floor slabs, and the below-grade foundations and piping) addressed within the *Engineering Evaluation/Cost Analysis for General Hanford Decommissioning Activities* (EE/CA) (DOE-RL 2010b).
- Complete removal of miscellaneous debris that has been identified as needing cleanup to protect habitat, human health, and restore the environment.
- Manage and dispose of all waste generated during these actions.

This RAWP satisfies the requirement to submit a work plan outlining how compliance with the removal action objectives and applicable or relevant and appropriate requirements (ARARs) (Section 4.1) will be achieved.

This RAWP directs the removal action activities including the development of specific project tasks that are described in work packages and subcontract task orders. Using the most recent information concerning facility conditions, field-level work packages will be developed to direct work activities and instruct workers in the most applicable work methods. Work packages will be written in accordance with, but do not supersede, the requirements outlined in this RAWP. Existing contractor procedures and specifically developed instructions will be used to perform and control the building, structure, and solid waste debris removal and disposal actions.

Table 1-1 provides a list of the building/structures in the 100, 300, 400, 600 and 1100 Areas that have been identified to undergo D4 through implementation of this RAWP as they become excess. As identified in the Action Memorandum, additional buildings may be added, subject to review and approval by the lead regulator.

Table 1-1. Building/Structure List and Location. (7 Pages)

| Building Number | Area | Approximate Waste Quantity (ton) |
|----------------------------------|-------|----------------------------------|
| 100B Electrical Switchyard | 100-B | 200 |
| 105B Washpad Annex (above-grade) | 100-B | 360 |
| 119-B Vacuum Seal House | 100-B | 6 |

Table 1-1. Building/Structure List and Location. (7 Pages)

| Building Number | Area | Approximate Waste Quantity (ton) |
|---|------|----------------------------------|
| 4791TC Warehouse | 400 | 254 |
| 4802 Shop Building | 400 | 237 |
| 4814 Warehouse | 400 | 852 |
| 4831 Storage Building | 400 | 300 |
| 4843 Storage Building | 400 | 852 |
| CC40168 Storage Box | 400 | 23 |
| HS 0079 Storage Box | 400 | 23 |
| MO-480 ^b | 600 | 15 |
| MO-481 ^h | 600 | 35 |
| RTL (Research Technology Laboratory) 510 Chemical and Flammable Storage ° | 1100 | 107 |
| RTL 520 Research Technology Building ° ^p | 1100 | 46800 |
| RTL 524 Fire Riser Building ° | 1100 | 36 |
| RTL 530 Contaminated Storage ° | 1100 | 32 |
| RTL 540 Storage ° | 1100 | 150 |
| RTL 550 Maintenance Shop ° | 1100 | 808 |
| RTL 560 Utility Building ° | 1100 | 727 |
| RTL 570 Autoclave ° | 1100 | 126 |
| RTL 580 Craft Shop ° | 1100 | 268 |
| RTL 590 Warehouse ° | 1100 | 741 |

Introduction

DOH/RL-2010-34
Rev. 2 and TPA-CN-0738

- * Added by TPA-CN-470, 6/5/11.
- * Added by TPA-CN-493, 12/29/11.
- * Added by TPA-CN-494, 12/29/11.
- * Added by TPA-CN-496, 2/16/12.
- * Added by TPA-CN-430, 2/28/11.
- * Added by TPA-CN-492, 12/14/11
- * Added by TPA-CN-434, 7/14/11.
- * Added by TPA-CN-469, 3/10/11.
- ! Added by TPA-CN-557, 11/12/12.
- ! Consists of HO-64-6380 Operator Trailer, TC-1301-N Tern, TC-1301-NA Small Building, TC-1301-NB Small Building, TK-1 Tank, TK-2 Tank, and above ground piping from pumping wells to injection wells.
- * Includes job boxes, sign, electrical rack, cut up hoses.
- ! Includes conduit pile
- * Includes tank and miscellaneous equipment and is located between 100-K and 100-N.
- * Added by TPA-CN-0706, 12/14/15
- * Added by TPA-CN-0738
- * Includes Conner boxes and vault removal

use for the facility. These areas include the 100 Areas, 300 Area, 400 Area, 600 Area and 1100 Area (Figure 1-1). The list of facilities that are addressed within this RAWP is provided in Table 1-1.

Some buildings/structures slated for D4 may be found to be unsuitable for inclusion within this removal action or DOE-RL may find unforeseen future uses prior to performing the decommissioning. If this occurs, and eliminating the buildings/structures from the list identified in Table 1-1 is appropriate, documentation would be placed in the Administrative Record for this NTCRA identifying the buildings/structures and explaining why it is not being addressed under the scope of the NTCRA. Furthermore, DOE-RL may need to D4 other Hanford buildings/structures within the River Corridor Project with similar characteristics, contaminants, and complexities to those specifically identified in Table 1-1. Consistent with the Action Memorandum, this RAWP intends to allow the potential future inclusion of such buildings and structures under the scope of the NTCRA, as appropriate. If additional buildings and structures are added to Table 1-1, concurrence from Ecology and EPA would first be obtained and documentation would be placed in the Administrative Record for this NTCRA, identifying the building or structure and explaining why it is sufficiently similar to the buildings/structures specifically identified in the Action Memorandum (DOE-RL 2010a) and this RAWP.

Furthermore, it is recognized that the status of the buildings and structures facilities will change over time. Changes could include, but are not limited to, modifying the status of facilities from active to inactive, adding scope to removal action that was previously missed or excluded, and changing the status of facilities from demolished to closed and/or transferred. This RAWP will be revised and Table 1-1 updated, as needed, to incorporate the changes documented in the Administrative Record.

Where below-grade structures remain, a decision may be made to remove the foundation while performing demolition. In other cases, the below-grade structures may remain in place until they are removed to provide access to any newly discovered waste sites. If the remaining structure and underlying soils are determined to be clean, then no further action will be required. Section 2.6 establishes the site completion process.