

<h2 style="margin: 0;">DOCUMENT RELEASE AND CHANGE FORM</h2> <p style="font-size: small; margin: 5px 0;">Prepared For the U.S. Department of Energy, Assistant Secretary for Environmental Management By Washington River Protection Solutions, LLC., PO Box 850, Richland, WA 99352 Contractor For U.S. Department of Energy, Office of River Protection, under Contract DE-AC27-08RV14800</p> <p style="font-size: x-small; margin: 5px 0;">TRADEMARK DISCLAIMER: Reference herein to any specific commercial product, process, or service by trade name, trademark, manufacturer, or otherwise, does not necessarily constitute or imply its endorsement, recommendation, or favoring by the United States government or any agency thereof or its contractors or subcontractors. Printed in the United States of America.</p>	<p>Release Stamp</p> <div style="border: 2px solid red; padding: 10px; margin: 10px auto; width: fit-content;"> <p style="color: red; font-weight: bold; font-size: 1.2em;">DATE: Sep 13, 2016</p> </div> <p style="text-align: center; margin-top: 10px;">Clearance Review Restriction Type: public</p>
<p>1. Doc No: TOC-ICD-59228 Rev. 00</p>	
<p>2. Title: Interface Control Document Between Washington River Protection Solutions Effluent Treatment Facility and CH2MHill Plateau Remediation Company Groundwater Modutanks</p>	
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7. Approvals			
Title	Name	Signature	Date
Clearance Review	RAYMER, JULIA R	RAYMER, JULIA R	09/08/2016
Design Authority	HUTH, JEFF	HUTH, JEFF	09/07/2016
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Interface Management	MAY, BARB A	HALGREN, DALE L for MAY, BARB A per email	09/07/2016
Originator	HALGREN, DALE L	HALGREN, DALE L	09/07/2016
Responsible Engineering Manager	RUTHERFORD, WALLY	RUTHERFORD, WALLY	09/08/2016

8. Description of Change and Justification

This is the initial release for the ICD for the water supply from the WRPS managed ETF to the CHPRC managed Modutanks. The document has been approved by the required officers of each company and this action releases it in SPF.

9. TBDs or Holds N/A

10. Related Structures, Systems, and Components		
a. Related Building/Facilities <input type="checkbox"/> N/A	b. Related Systems <input type="checkbox"/> N/A	c. Related Equipment ID Nos. (EIN) <input checked="" type="checkbox"/> N/A
ETF FACILITIES	ETF-35C ETF-95H	

11. Impacted Documents – Engineering <input checked="" type="checkbox"/> N/A		
Document Number	Rev.	Title

12. Impacted Documents (Outside SPF):
N/A

13. Related Documents <input checked="" type="checkbox"/> N/A		
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Name	Organization
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HALGREN, DALE L	ETF ENGINEERING
HUTH, JEFF	ETF ENGINEERING
MAY, BARB A	INTERFACE MANAGEMENT
VASQUEZ, DAVID A	AY-102 RETRIEVAL

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U.S. Department of Energy Contract DE-AC27-08RV14800

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Abstract: This Interface Control Document (ICD) provides clarification of the responsibilities of waterline and electrical component management between the Washington River Protection Solutions (WRPS) Effluent Treatment Facility (ETF) and the CH2MHill Plateau Remediation Company (CHPRC) Soil & Groundwater Remediation Project (S&GRP) managed Modutanks, located near the ETF facility boundary..

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APPROVED
By Julia Raymer at 6:47 am, Sep 13, 2016

Release Approval

Date

DATE:
Sep 13, 2016

HANFORD
RELEASE

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Approved For Public Release

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**Interface Control Document Between Washington River
Protection Solutions Effluent Treatment Facility and CH2MHill
Plateau Remediation Company Groundwater Modutanks**


August 2016

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Tank Farm Contractor (TFC) RECORD OF REVISION		(1) Document Number: TOC-ICD-59228, Rev. 0	Page 1
(2) Title: Interface Control Document Between Washington River Protection Solutions Effluent Treatment Facility and CH2MHill Plateau Remediation Company Groundwater Modutanks			
Change Control Record			
(3) Revision	(4) Description of Change – Replace, Add, and Delete Pages	Authorized for Release	
		(5) Resp. Engr. (print/sign/date)	(6) Resp. Mgr. (print/sign/date)
0	Initial Release by ECN DRCF mw 9/13/2016	See DRCF	See DRCF

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1.0 BACKGROUND AND SCOPE

This Interface Control Document (ICD) provides clarification of the responsibilities of waterline and electrical component management between the Washington River Protection Solutions (WRPS) Effluent Treatment Facility (ETF) and the CH2MHill Plateau Remediation Company (CHPRC) Soil & Groundwater Remediation Project (S&GRP) managed Modutank, located near the ETF facility boundary.

In 2015, ETF and associated liquid treatment facilities and functions were transitioned from CHPRC to WRPS. Prior to the transition, ETF and the Modutank facility were under CHPRC responsibility. In 2010, after the construction of the tie-in to the ETF raw water line, ETF and S&GRP had internal agreements in place to clarify the division of maintenance and operations responsibilities, of the water line and components, between the organizations. After WRPS assumed operations of ETF, it became necessary to redefine these boundaries between CHPRC and WRPS. It is important to note, that this water line was installed, as directed by Department of Energy-Richland Operations Office (DOE-RL), to provide a regular and permanent supply of raw water to the Modutank facility for environmental and personnel safety and regulatory compliance.

This ICD identifies the ownership of the related electrical panel, conduit, backflow preventer heater, as well as the raw water line components starting at valve number 317-R.

This ICD was developed in accordance with TFC-BSM-CP_CPR-C-17, *Interface Management Procedure*, with guidance from CHPRC procedure PRC-PRO-MS-10472, *Interface Management*. Work associated with this ICD will be executed in accordance with the terms and conditions as agreed to in MOA-WRPS-CHPRC-2009, *Memorandum of Agreement* between CHPRC and WRPS.

The activities in this agreement will be performed in accordance with the terms and conditions of CHPRC Prime Contract DE-AC06-08RL14788 with DOE-RL and WRPS Prime Contract DE-AC27-08RV14800, with the DOE-Office of River Protection (ORP). Each Party will comply with the environmental, safety, health, nuclear safety, security, and quality requirements applicable to their respective Prime Contract.

2.0 ACTION ITEMS

The following activities are to be completed prior to implementation of the cold weather policy:

- CHPRC is responsible to repair the RPBA heater component, EIN# 35C-E-1

3.0 INTERFACE DIVISION

Each Party is responsible to update their component index, maintenance and operating procedures for configuration controls of the components, as applicable.

Details can be viewed on the following diagrams:

- H-2-830461, Sheet 7, Site Map Raw Water System 200 East Enlarged Plan H-2-88852, Sheet 8, Fire Protection Piping and Instrumentation Diagram
- H-2-834121, Sheet 1, Civil Modutank 4" RW Line Ext Site Plan
- H-2-834122, Sheet 1, Civil Modutank Plan, Sections & Details 4" RW Line Ext
- H-2-89102, Sheet 2, Electrical Panel Schedules

A. The interface ownership division is as follows:

1. Water

WRPS ETF Responsibilities:	Raw water valve 317-R and the components upstream
CHPRC GW Responsibilities:	Raw water line and components downstream from 317-R, including RPBA consisting of backflow preventer and two isolation valves (35C-060, 35C-061)

2. Electrical:

WRPS ETF Responsibilities:	Panel DP-7, including breaker #13
CHPRC GW Responsibilities:	Conduit from (but not including) breaker #13, up to, and including backflow preventer heater EIN # 35C-E-1

4.0 RESPONSIBILITIES

4.1 CHPRC S&GRP will be responsible for the following:

- Notify WRPS ETF Shift Office at 373-9000 prior to entering/exiting ETF facility complex for inspection and/or general work relating to the doghouse and its internal components, for accountability purposes¹.

¹ WRPS ETF work control review, work release and/or USQ is not required for general maintenance activities performed by CHPRC or CHPRC subcontract personnel, on the CHPRC side of the demarcation (line and components downstream from valve 317-R). Changes in access to the doghouse and its components, and/or work control requirements will void this agreement.

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- CHPRC S&GRP personnel shall enter/exit ETF area using the attached maps for reference (attachment 1).
- Provide notification of unplanned water outages (leaks, etc.) to WRPS ETF Shift office within 2 hours of the event.
- Manage and maintain the water line and components, downstream from valve 317-R, using CHPRC S&GRP processes and procedures. (NOTE: MSA resources may be procured to perform required maintenance on the line and associated components).
- Manage and maintain the electrical conduit and heater using CHPRC S&GRP processes and procedures.
- Maintain the integrity of the “dog house” structure, as necessary.
- Notify WRPS ETF Shift Office at 373-9000 at least 14 days prior to the need to schedule maintenance activities requiring hazardous energy control (see section 4.3).

4.2 WRPS ETF will be responsible for the following:

- Ensure water and electrical is provided through 317-R valve and DP-7 breaker 13, respectively.
- Notify CHPRC S&GRP Shift Office at 509-713-4866 at least 14 days prior to a planned electrical power outage where named breakers will be de-energized.
- Provide support to CHPRC for maintenance activities requiring hazardous energy control (see section 4.3).
- Notify CHPRC S&GRP Shift Office at least 7 days prior to a planned water outage that could impact the water supply to Modutanks.
- Provide notification of unplanned water outages (leaks, etc.) to CHPRC S&GRP Shift office within 2 hours of the event.
- Notify CHPRC S&GRP at least 24 hours prior to any change to engineering activities that affect the system as depicted in the associated drawings and as stated in this agreement.
- Provide CHPRC comment copies of engineering and design changes to systems and equipment affected by this interface document.

4.3 CHPRC/WRPS responsibilities for controlling hazardous energy:

Note: During work activities that require hazardous energy control, the requirements for DOE-0336, Hanford Site Lockout/Tagout Procedure, must be satisfied by each Contractor. Work requiring hazardous energy control and lock/tag procedure compliance will require work review and release by WRPS at ETF.

- WRPS is the Controlling organization for activities requiring lock and tag inside the ETF, (includes breaker #13, and valve 317-R).
- CHPRC prepares and provides a work package to WRPS/ETF for review 14 days prior to work requiring hazardous energy control (e.g., heater repair or valve replacement in the doghouse).

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- WRPS reviews the CHPRC work document and prepares lock and tag in the 14 days prior to the planned outage date.
- CHPRC reports to WRPS/ETF for work release on the day of the planned work.
- WRPS releases the CHPRC work package, and will perform all Controlling Organization (CO) roles and responsibilities (per DOE-0336) for locks and tags on WRPS equipment described in bullet #1. WRPS may use their own Authorized Workers (AW) to support Tagout Authorization Form (TAF) lock and tag installation.
- The CHPRC Field Work Supervisor (FWS) will obtain agreement on Controlled Work Area boundaries from the WRPS release authority when working on WRPS equipment described in bullet #1.
- CHPRC personnel will follow DOE-0336 instructions to “Perform the Required Field Work” or install “Authorized Work Locks and Danger Tags Alone Using the Eight Criteria” when hazardous energy controls are required.

5.0 CONFIGURATION MANAGEMENT

The signatures on the cover page of this ICD indicate agreement between the Parties that this document reflects the current technical baseline for the system described and that the responsibilities contained in this document will not be revised without the agreement of both Parties.

6.0 POINTS OF CONTACT

For issues directly related to field work:

CHPRC – **Modutank:** David Capelle @ 372-0460 or Josh Griffith @ 859-4141

S&GRP Shift Office: 713-4866

WRPS – **ETF Shift Office:** 373-9000

For issues or modifications to this Interface Control Document:

CHPRC - Kevin Kjarmo @ 376-4901

WRPS - Jeff Van Meighem @ 373-7333

7.0 REFERENCES

DE-AC27-08RV14800, *Tank Operations Contract*, U.S. Department of Energy, Office of River Protection, Richland, WA

DE-AC06-08RL14788, *Plateau Remediation Contract*, U.S. Department of Energy, Richland Operations Office, Richland, WA

DOE-0336, Hanford Site Lockout/Tagout Procedure

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H-2-830461, Sheet 7, Site Map Raw Water System 200 East Enlarged Plan

H-2-834121, Sheet 1, Civil Modutank 4” RW Line Ext Site Plan

H-2-834122, Sheet 1, Civil Modutank Plan, Sections & Details 4” RW Line Ext

H-2-88852, Sheet 8, Fire Protection Piping and Instrumentation Diagram

H-2-89102, Sheet 2, *Electrical Panel Schedules*

MOA-WRPS-CHPRC-2009, *Memorandum of Agreement for the Performance and Payment of Services between WRPS and CHPRC*

PRC-FMP-09-42936-R0, CHPRC Facility Modification Package Form – Modutank Water Line

PRC-PRO-MS-10472, Interface Management Procedure, CHPRC

TFC-BSM-CP_CPR-C-17, *Interface Management Procedure, WRPS*

Attachment 1
Backflow Preventer Access
Entry/Exit Routes

