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

18-AMRP-0131

JUL 05 2018

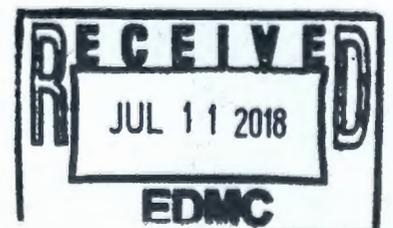
Ms. Alexandra K. Smith, Program Manager
Nuclear Waste Program
Washington State Department of Ecology
3100 Port of Benton Boulevard
Richland, Washington 99354

Dear Ms. Smith:

SUPPLEMENTAL INFORMATION TO THE HANFORD FACILITY RESOURCE
CONSERVATION AND RECOVERY ACT (RCRA) PERMIT RENEWAL (REVISION 9)
APPLICATION FOR THE 241-CX TANK SYSTEM, CLOSURE UNIT GROUP 15 (CUG 15)

The U.S. Department of Energy Richland Operations Office (herein after referred to as the Permittee) is transmitting the 241-CX Tank System, Addendum E, "Security," with Certification Statements, pursuant to the Washington Administrative Code (WAC) WAC 173-303-840(1)(b) to support the Hanford Facility RCRA Permit, Revision 9, renewal. The purpose of this action is to clarify, modify, or supplement information previously submitted.

The Permittee has worked with your office on the content of Addendum E, "Security," which represents the Permittee's intent to operate pursuant to Revision 9 of the Hanford Facility RCRA Permit upon the effective date of the permit. This supplemental information may not reflect current facility configurations and/or applicable permit conditions enforceable under the Hanford Facility RCRA Permit Revisions 8C. In accordance with WAC 173-303-806(7), the Permittees will comply with the Revision 8C of the Hanford Facility RCRA Permit until the effective date of Revision 9 of the Hanford Facility RCRA Permit.



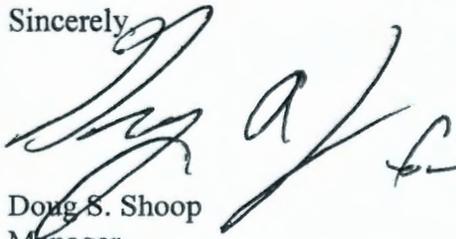
Ms. Alexandra K. Smith
18-AMRP-0131

-2-

JUL 05 2018

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

Sincerely



Doug S. Shoop
Manager

AMRP:DBC

Attachments:

1. Certification for Supporting Permit Application Material for Part V - Closure Units 241-CX Tank System Closure Unit Group 15 (CUG-15), Addendum E, "Security"
2. Addendum E, Security, 241-CX Tank System

cc w/attachs:

J. L. Cantu, Ecology
D. R. Collins, Ecology
D. R. Einan, EPA
N. M. Menard, Ecology
Administrative Record (TSD: S-2-9)
Ecology NWP Library
Environmental Portal
HF Operating Record (J. K. Perry, MSA)

cc w/o attachs;

D. B. Bartus, EPA
J. Bell, NPT
R. Buck, Wanapum
S. L. Dahl-Crumpler, Ecology
M. Johnson, CTUIR
T. A. Liebrecht, Ecology
R. Longoria, YN
K. Niles, ODOE
D. Rowland, YN
D. G. Singleton, CHPRC

**Certification
for
Supporting Permit Application Material for Part V – Closure Units, 241-CX Tank
System Closure Unit Group 15 (CUG-15), Addendum E, “Security”**

“I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.”

Doug S. Shoop, Manager
Owner/Operator
U.S. Department of Energy
Richland Operations Office

Signature



Date

7/5/18

**Certification
for
Supporting Permit Application Material for Part V – Closure Units, 241-CX Tank
System Closure Unit Group 15 (CUG-15), Addendum E, “Security”**

“I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.”

L. Ty Blackford
L. Ty Blackford, President and CEO
Co-Operator
CHPRC
Richland, Washington


Signature

5/23/2018
Date

Addendum E, Security

241-CX Tank System

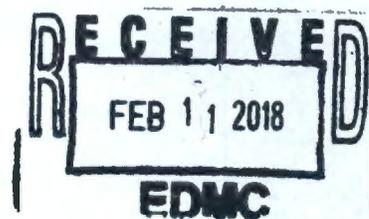
Prepared for the U.S. Department of Energy
Assistant Secretary for Environmental Management

Contractor for the U.S. Department of Energy
under Contract DE-AC06-08RL14788



P.O. Box 1600
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Approved for Public Release;
Further Dissemination Unlimited



Addendum E, Security

241-CX Tank System

Document Type: RPT Program/Project: CPRM

P. E. Eberlein
CH2M HILL Plateau Remediation Company

Date Published
May 2018

Prepared for the U.S. Department of Energy
Assistant Secretary for Environmental Management

Contractor for the U.S. Department of Energy
under Contract DE-AC06-08RL14788

ch2m.SM
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APPROVED

By Mary P. Curry at 10:53 am, Jun 06, 2018

Release Approval

Date

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Addendum E

Security

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E1 Security

This addendum describes the security for the 241-CX Tank System and how it complies with the requirements in WAC 173-303-310.

The active portion of the 241-CX Tank System consists of three underground tanks with one associated pipeline for each tank.

E2 Hanford Site Security

The entire Hanford Site is a controlled-access area, and the 241-CX Tank System is located in the middle of the 200 East Area. Permit Attachment 3, Security, describes the multi-tiered sitewide security system and how it applies to the requirements for signs [WAC 173-303-310(2)(a)], 24-hour surveillance [WAC 173-303-310(2)(b)], and artificial or natural barriers [WAC 173-303-310(2)(c)].

E3 241-CX Tank System Security

This addendum describes the signs [WAC 173-303-310(2)(a)] and additional artificial and natural barriers [WAC 173-303-310(2)(c)] that are specific to the 241-CX Tank System. These signs and barriers prevent unknowing entry and minimize the possibility for unauthorized entry into the 241-CX Tank System.

E3.1 Signs

All signs are written in English and state: "DANGER - UNAUTHORIZED PERSONNEL KEEP OUT." The signs are legible from a distance of at least 7.6 m (25 ft).

E4 Tank 241-CX-70 and Pipeline 200-E-244-PL

E4.1 Signs

Signs are posted at the following locations:

- One sign on each side along the perimeter chain around the area on top of the underground tank (see photo in Part A). The four signs face north, south, east and west.

E4.2 Barriers

The 241-CX-70 Tank is buried approximately 3.4 m (11 ft) underground, and the tank risers have been covered (see Tank 241-CX-70 photo in Part A). There is no access to the tank.

Metal posts with a single chain strand surrounds the perimeter of the area on top of the underground tank and the tank risers (see Tank 241-CX-70 photo in Part A).

The 200-E-244-PL pipeline is buried 4.0 to 7.3 m (13 to 24 ft) underground. There is no access to the pipeline.

E5 Tank 241-CX-71 and Pipeline 200-E-245-PL

E5.1 Signs

Signs are posted at the following locations:

- One sign at each corner of the perimeter chain around the area on top of the underground tank and the aboveground portion of the tank riser (see 241-CX-71 photo in Part A). The four signs face northwest, northeast, southeast, and southwest.

1 **E5.2 Barriers**

2 The 241-CX-71 Tank is buried 1.1 m (3.5 ft) underground (see Tank 241-CX-71 photo in Part A).
3 The tank riser has been grouted. There is no access to the tank.

4 Metal posts with a single chain strand surrounds the perimeter of the area on top of the underground tank
5 and the tank riser (see Tank 241-CX-71 photo in Part A).

6 The 200-E-245-PL pipeline is buried 0.9 to 4 m (3 to 13 ft) underground. There is no access to the
7 pipeline.

8 **E6 Tank 241-CX-72 and Pipeline 200-E-246-PL**

9 **E6.1 Signs**

10 Signs are posted at the following locations:

- 11 • On, or near the three locked doors of Building 241CX40 (see Building 241CX40 photos in Part A).

12 **E6.2 Barriers**

13 The 241-CX-72 Tank is buried approximately 4.3 m (14 f) underground and is located under Building
14 241CX40 (see Tank 241-CX-72 photos in Part A). The building provides access control through the
15 locked doors. Only authorized personnel are issued keys to the locked building.

16 The 200-E-246-PL pipeline is buried 4.3 to 7.3 m (14 to 24 ft) underground. There is no access to the
17 pipeline.