



U.S. Department of Energy

Hanford Field Office
P.O. Box 550
Richland, Washington 99352

November 27, 2024

24-ECD-0178

Addressees: See page 3

U.S. DEPARTMENT OF ENERGY, HANFORD FIELD OFFICE SUBMITS REPORTS OF CLOSURE FOR EMISSION UNITS 914, 1138, AND 1141 IN THE RADIOACTIVE AIR EMISSIONS LICENSE FF-01 FOR THE U.S. DEPARTMENT OF ENERGY HANFORD SITE

The U.S. Department of Energy, Hanford Field Office submits Reports of Closure for Radioactive Air Emissions License FF-01 Emission Units (EU) 914, 1138, and 1141, and removal from Table 2-1. These Reports of Closure support removal from Table 2-1 because they are covered under other EU.

EU 914, Facility 241-AX-155, a diversion box in the 241-AY Tank Farm, is a diffuse and fugitive EU within the EU 921, 241 AY Tank Farm fence boundary.

EU 1138, Building 241-A-431, the 241-A Tank Farm Ventilation Building, is a diffuse and fugitive EU within the EU 916, 241 A Tank Farm fence boundary.

EU 1141, the 241-BY-254, 241-BY Tank Farm Control House, is a diffuse and fugitive EU within the EU 1136, 241 BY Tank Farm fence boundary.

The Notification of Off-Permit Change (Attachment 4) is being submitted to the Washington State Department of Ecology for its administration of the Hanford Air Operating Permit (AOP), as well as to the U.S. Environmental Protection Agency, Region 10, as part of the notification process for off permit changes outlined in the Hanford AOP.

If you have any questions, please contact me, or you may contact Corey A. Low, Acting Assistant Manager for Safety and Environment, at (509) 376-4820.

Sincerely,

Brian T.
Vance

Digitally signed by Brian
T. Vance
Date: 2024.11.27
08:12:13 -08'00'

Brian T. Vance
Manager

ECD:BRT

Attachments and cc: See page 2

Addressees
24-ECD-0178

-2-

November 27, 2024

Attachments:

1. License Revision Request for
RAEL FF-01 Emission Unit 914
2. License Revision Request for
RAEL FF-01 Emission Unit 1138
3. License Revision Request for
RAEL FF-01 Emission Unit 1141
4. Notification of Off-Permit Change

cc w/attachs:

S. D. Berven, WDOH
F. J. Carleo, HMIS
J. M. McAuley, EPA (Region 10)
M. F. Williams, Ecology
Administrative Record
CPCCo Correspondence
Environmental Portal, G3-35

cc w/o attachs:

T. G. Beam, WRPS
A. Buck, Wanapum
L. Contreras, YN
S. L. Dahl-Crumpler, Ecology
J. T. Hamilton, WRPS
M. Murphy, CTUIR
A. Smith, NPT

Addressees
24-ECD-0178

-3-

November 27, 2024

Mr. David Bray
Air and Radiation Branch Manager
U.S. Environmental Protection Agency
Region 10
1200 Sixth Avenue, Suite 155, AWT-07
Seattle, Washington 98101

Ms. Stephanie Schleif
Program Manager
Nuclear Waste Program
Washington State Department of Ecology
3100 Port of Benton Boulevard
Richland, Washington 99354

Mr. Randy Utley
Radioactive Air Emissions Section Manager
Washington State Department of Health
309 Bradley Boulevard, Suite 201
Richland, Washington 99352

Attachment 1
24-ECD-0178

License Revision Request for
RAEL FF-01 Emission Unit 914

(3 pages including cover sheet)

License / ALARACT Revision Request

NOTE: Any increase to abated or unabated potential to emit (PTE) is considered a modification and requires an Appendix A Application per Washington Administrative Code (WAC) 246-247.

Submittal Date: November 27, 2024

License Revision

WDOH Condition Number: _____

ALARACT Revision

New ALARACT Rev. #: _____

Report of Closure

PROJECT IDENTIFICATION

Project Title: 241-AX-155, 241-AY Tank Farm Diversion Box.

Current WDOH NOC Number(s): None – listed in RAEL FF-01, Table 2-1.

WDOH EU ID Number(s): 914

Current WDOH Approval Letter Number(s): None.

DESCRIPTION OF CHANGE

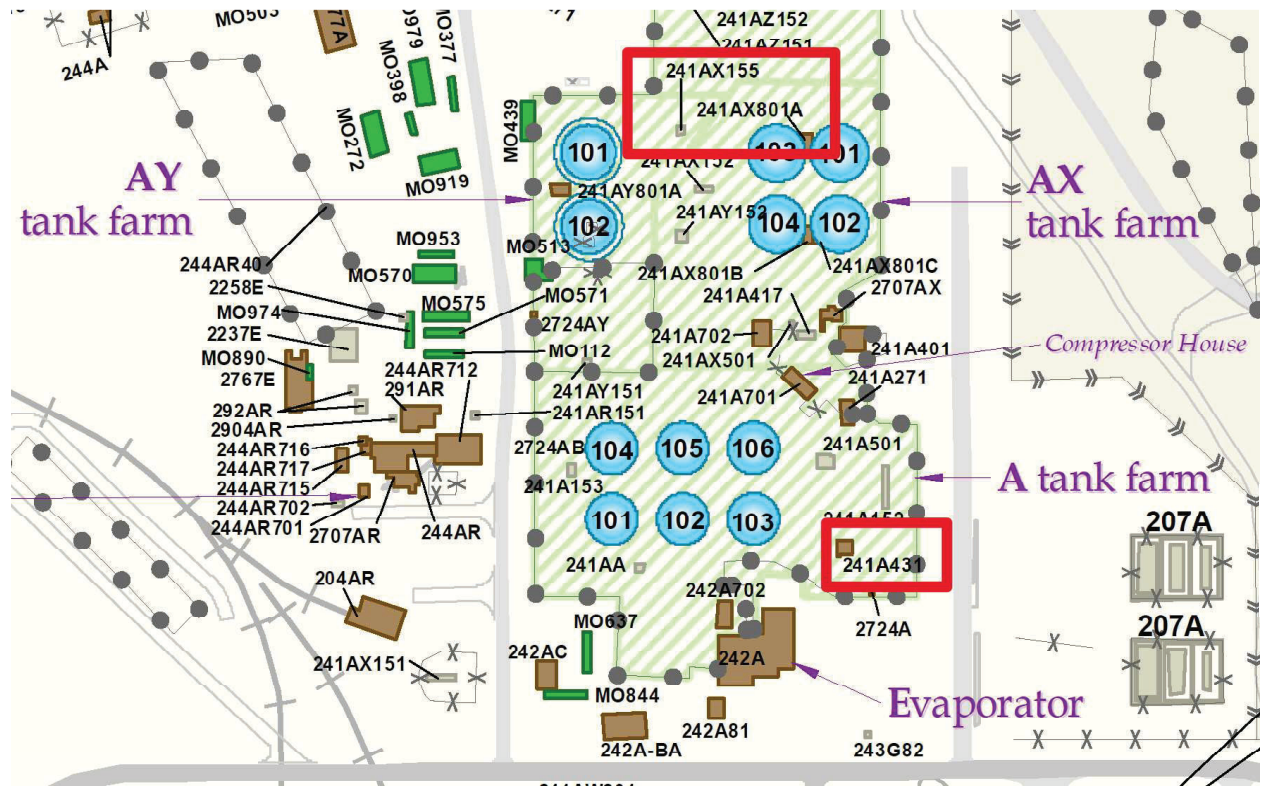
Number of Attachments: 0

WDOH will provide a new approval letter containing any new or modified conditions that result from the following proposed change.

Enter original and proposed wording here:

Emission Unit (EU) 914, facility 241-AX-155, a diversion box in the 241-AY Tank Farm, is a diffuse and fugitive emission unit within the EU 921, 241-AY Tank Farm fence boundary and is requested to be removed from the Radioactive Air Emissions License (RAEL) FF-01, Table 2-1. Diversion Box 241-AX-155 was used to route high-level waste generated at PUREX to the 241-AY and 241-AZ Tank Farms. The inlet and discharge piping for the diversion box has been blanked off and isolated. EU 914 is covered by the larger EU 921 diffuse and fugitive emission unit that it is a part of.

The location of 241-AX-155, EU 914, within the 241-AY/AX Tank Farm fence boundary is shown toward the top of the following 200 East Area facilities map.



SIGNATURE

Licensee Name:	Brian T. Vance
Licensee Title:	Manager
Licensee Signature:	Brian T. Vance
Date:	2024.11.27 08:12:32 -08'00'

Digitally signed by Brian T. Vance
 Date: 2024.11.27 08:12:32 -08'00'

Attachment 2
24-ECD-0178

License Revision Request for
RAEL FF-01 Emission Unit 1138

(3 pages including cover sheet)

License / ALARACT Revision Request

NOTE: Any increase to abated or unabated potential to emit (PTE) is considered a modification and requires an Appendix A Application per Washington Administrative Code (WAC) 246-247.

Submittal Date: November 27, 2024

License Revision

WDOH Condition Number: _____

ALARACT Revision

New ALARACT Rev. #: _____

Report of Closure

PROJECT IDENTIFICATION

Project Title: 241-A-431, 241-A Tank Farm Ventilation Building

Current WDOH NOC Number(s): None – listed in RAEL FF-01, Table 2-1.

WDOH EU ID Number(s): 1138

Current WDOH Approval Letter Number(s): None.

DESCRIPTION OF CHANGE

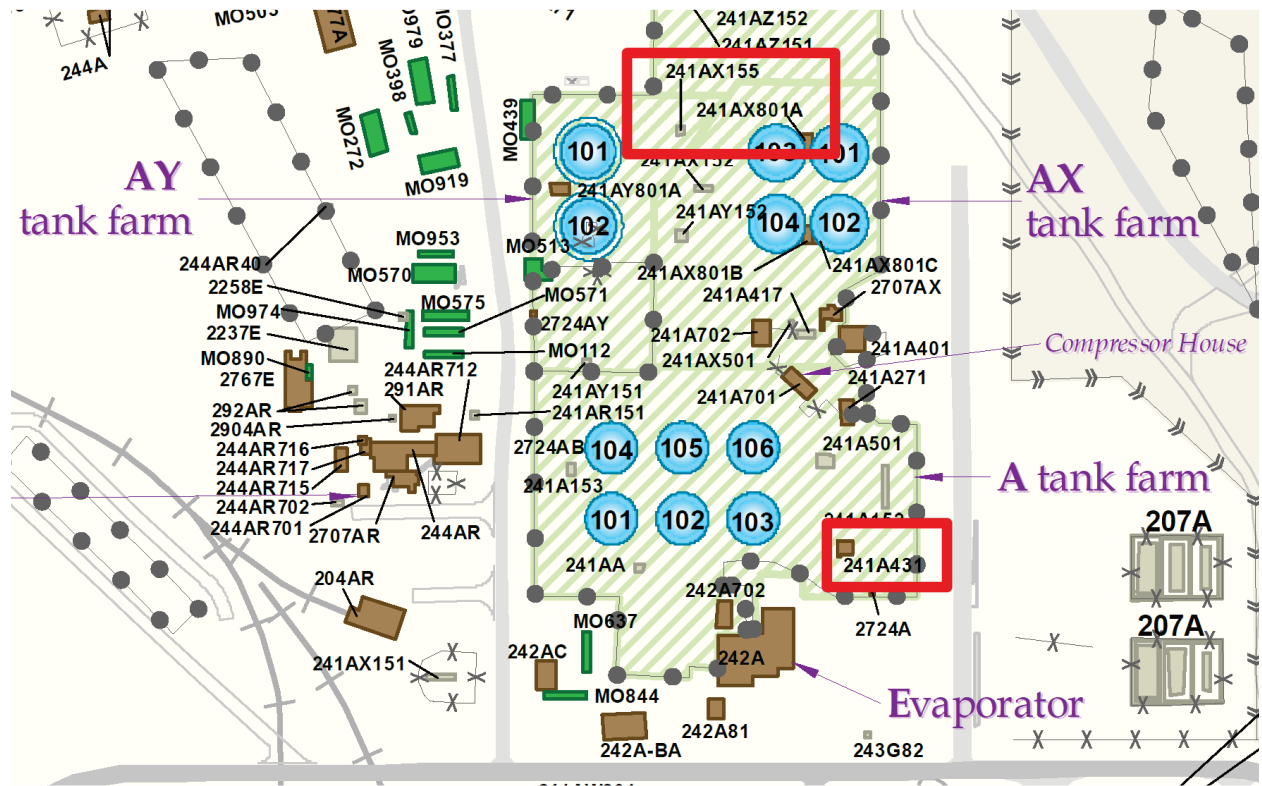
Number of Attachments: 0

WDOH will provide a new approval letter containing any new or modified conditions that result from the following proposed change.

Enter original and proposed wording here:

Emission Unit (EU) 1138, building 241-A-431, the 241-A Tank Farm Ventilation Building, is a diffuse and fugitive emission unit within the EU 916, 241-A Tank Farm fence boundary and is requested to be removed from Radioactive Air Emissions License (RAEL) FF-01, Table 2-1. Building 241-A-431 is a tank farm ventilation building that provided off-gas de-entrainment for the 241-A Tank Farm and also received 296-A-11 Stack drainage. EU 1138 is covered by the larger EU 916 diffuse and fugitive emission unit that it is a part of.

The location of 241-A-431, EU 1138, within the EU 916, 241-A Tank Farm fence boundary is shown toward the bottom of the following 200 East Area facilities map.



SIGNATURE

Licensee Name: Brian T. Vance

Licensee Title: Manager

Licensee Signature: Brian T.

Date: Vance

Digitally signed by Brian T. Vance
 Date: 2024.11.27 08:12:51 -08'00'

Attachment 3
24-ECD-0178

License Revision Request for
RAEL FF-01 Emission Unit 1141

(3 pages including cover sheet)

License / ALARACT Revision Request

NOTE: Any increase to abated or unabated potential to emit (PTE) is considered a modification and requires an Appendix A Application per Washington Administrative Code (WAC) 246-247.

Submittal Date: November 27, 2024

License Revision

WDOH Condition Number: _____

ALARACT Revision

New ALARACT Rev. #: _____

Report of Closure

PROJECT IDENTIFICATION

Project Title: 241-BY-254, 241-BY Tank Farm Control House

Current WDOH NOC Number(s): None – listed in RAEL FF-01, Table 2-1.

WDOH EU ID Number(s): 1141

Current WDOH Approval Letter Number(s): None.

DESCRIPTION OF CHANGE

Number of Attachments: 0

WDOH will provide a new approval letter containing any new or modified conditions that result from the following proposed change.

Enter original and proposed wording here:

Emission Unit (EU) 1141, the 241-BY-254, 241-BY Tank Farm Control House, is a diffuse and fugitive emission unit within the EU 1136, 241-BY Tank Farm fence boundary and is requested to be removed from Radioactive Air Emissions License (RAEL) FF-01, Table 2-1. The 241-BY-254 building housed a control room and compressor supporting operation of the 241-BY Tank Farm and has been deactivated. EU 1141 is covered by the larger EU 1136 diffuse and fugitive emission unit that it is a part of.

The location of 241-BY-254, EU 1141, within the EU 1136, 241-BY Tank Farm fence boundary is shown toward the top of the following 200 East Area facilities map.

Attachment 4
24-ECD-0178

Notification of Off-Permit Change

(2 pages including cover sheet)

NOTIFICATION OF OFF-PERMIT CHANGE
Permit Number: 00-05-006, Renewal 3

This notification is provided to the Washington State Department of Ecology, Washington State Department of Health, and the U.S. Environmental Protection Agency as a notice of an off-permit change described as follows.

<p>The following changes are allowed pursuant to WAC 173-401-724(1), WAC 173-401-724(2), and WAC 173-401-724(6):</p> <ol style="list-style-type: none">1. Change is not specifically addressed or prohibited by the AOP terms and conditions;2. Change does not weaken the enforceability of the existing AOP conditions;3. Change is not a Title I modification or subject to the acid rain requirements under Title IV of the FCAA;4. Change meets all applicable requirements and does not violate an existing permit term or condition;5. Change has complied with applicable preconstruction review requirements established pursuant to RCW 70.94.152.
--

<p>Description of the change:</p> <p>Remove these emission units (EUs) from Table 2-1 of the FF-01 Radioactive Air Emissions License for the Department of Energy Hanford Site Office of River Protection.</p> <p>These EUs are covered by other emission units and can be removed from Table 2-1:</p> <ul style="list-style-type: none">• EU 914 - 241-AX-155, 241-AY Tank Farm Diversion Box• EU 1138 - 241-A-431, 241-A Tank Farm Ventilation Building• EU 1141 - 241-BY-254, 241-BY Tank Farm Control House
<p>Date of change: (To be provided in the agency approval order.)</p>
<p>Describe the emissions resulting from the change:</p> <p>None.</p>
<p>Describe the new applicable requirements that will apply as a result of the change: (To be provided in the agency approval order.)</p>