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# ENGINEERING CHANGE NOTICE

Page 2 of 2

1. ECN (use no. from pg. 1)

649167

## 16. Design Verification Required

☐ Yes

☒ No

## 17. Cost Impact

### ENGINEERING

Additional ☐ \$ \_\_\_\_\_

Savings ☐ \$ \_\_\_\_\_

### CONSTRUCTION

Additional ☐ \$ \_\_\_\_\_

Savings ☐ \$ \_\_\_\_\_

## 18. Schedule Impact (days)

Improvement ☐ \_\_\_\_\_

Delay ☐ \_\_\_\_\_

19. Change Impact Review: Indicate the related documents (other than the engineering documents identified on Side 1) that will be affected by the change described in Block 13. Enter the affected document number in Block 20.

SDD/DD	<input type="checkbox"/>	Seismic/Stress Analysis	<input type="checkbox"/>	Tank Calibration Manual	<input type="checkbox"/>
Functional Design Criteria	<input type="checkbox"/>	Stress/Design Report	<input type="checkbox"/>	Health Physics Procedure	<input type="checkbox"/>
Operating Specification	<input type="checkbox"/>	Interface Control Drawing	<input type="checkbox"/>	Spares Multiple Unit Listing	<input type="checkbox"/>
Criticality Specification	<input type="checkbox"/>	Calibration Procedure	<input type="checkbox"/>	Test Procedures/Specification	<input type="checkbox"/>
Conceptual Design Report	<input type="checkbox"/>	Installation Procedure	<input type="checkbox"/>	Component Index	<input type="checkbox"/>
Equipment Spec.	<input type="checkbox"/>	Maintenance Procedure	<input type="checkbox"/>	ASME Coded Item	<input type="checkbox"/>
Const. Spec.	<input type="checkbox"/>	Engineering Procedure	<input type="checkbox"/>	Human Factor Consideration	<input type="checkbox"/>
Procurement Spec.	<input type="checkbox"/>	Operating Instruction	<input type="checkbox"/>	Computer Software	<input type="checkbox"/>
Vendor Information	<input type="checkbox"/>	Operating Procedure	<input type="checkbox"/>	Electric Circuit Schedule	<input type="checkbox"/>
OM Manual	<input type="checkbox"/>	Operational Safety Requirement	<input type="checkbox"/>	ICRS Procedure	<input type="checkbox"/>
FSAR/SAR	<input type="checkbox"/>	IEFD Drawing	<input type="checkbox"/>	Process Control Manual/Plan	<input type="checkbox"/>
Safety Equipment List	<input type="checkbox"/>	Cell Arrangement Drawing	<input type="checkbox"/>	Process Flow Chart	<input type="checkbox"/>
Radiation Work Permit	<input type="checkbox"/>	Essential Material Specification	<input type="checkbox"/>	Purchase Requisition	<input type="checkbox"/>
Environmental Impact Statement	<input type="checkbox"/>	Fac. Proc. Samp. Schedule	<input type="checkbox"/>	Tickler File	<input type="checkbox"/>
Environmental Report	<input type="checkbox"/>	Inspection Plan	<input type="checkbox"/>		<input type="checkbox"/>
Environmental Permit	<input type="checkbox"/>	Inventory Adjustment Request	<input type="checkbox"/>		<input type="checkbox"/>

20. Other Affected Documents: (NOTE: Documents listed below will not be revised by this ECN.) Signatures below indicate that the signing organization has been notified of other affected documents listed below.

Document Number/Revision

Document Number/Revision

Document Number/Revision

## 21. Approvals

Signature

Date

Signature

Date

Design Authority N/A

Cog. Eng. M.L. Dexter

6/12/00

☒ Cog. Mgr. D.J. Carrell

6/12/00

QA N/A

Safety N/A

Environ. B.G. Erlandson

6/12/00

Other

W.T. Dixon

6/13/00

P.C. Miller

6/12/00

Design Agent

PE

QA

Safety

Design

Environ.

Other

## DEPARTMENT OF ENERGY

Signature or a Control Number that tracks the Approval Signature

## ADDITIONAL

## RPP ENVIRONMENTAL PERMITS AND RELATED DOCUMENTATION

**Michelle Dexter**

CH2M HILL Hanford Group, Inc., Richland, WA 99352  
U.S. Department of Energy Contract DE-AC06-99RL14047

EDT/ECN: 657943 UC: 2030  
Org Code: 7B200 Charge Code: 101785/CA30  
B&R Code: EW3120071 Total Pages: *A2 41*  
*PF 6-13-00*


Key Words: Permits, Notices of Correction, Notices of Violation, RCRA

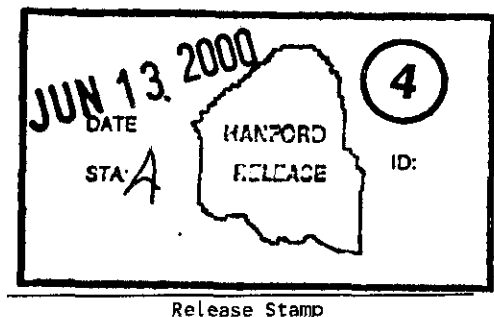
Abstract: This document contains the current list of environmental permits and related documentation for TWRS facilities and activities.

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Release Approval *E/13/00*  
Date



**Approved for Public Release**

# **RPP Environmental Permits and Related Documentation**

M. L. Dexter  
CH2M HILL Hanford Group, Inc.

Date Published  
June 2000

**CH2MHILL**  
*Hanford Group, Inc.*

P. O. Box 1500  
Richland, Washington

Contractor for the U.S. Department of Energy  
Office of River Protection under Contract DE-AC06-99RL14047

Approved for Public Release; Further Dissemination Unlimited



RPP ENVIRONMENTAL PERMITS AND RELATED DOCUMENTATION

## RPP ENVIRONMENTAL PERMITS AND RELATED DOCUMENTATION

### **Purpose and Scope**

This document contains the current list of environmental permits and related documentation for RPP facilities and activities. Copies of these permits and related approvals are maintained by RPP Environmental.

In addition, Notices of Correction and Notices of Violation are issued by State and Federal Regulators which are tracked by RPP Environmental to resolve any recently identified deficiencies. A listing of these recent Notices is provided as an attachment to this documents. These permits, approval conditions, and recent regulatory agency notices, constitute an important element of the RPP Authorization Envelope.

Permits are issued frequently and the reader is advised to check with RPP environmental for new permits or approval conditions. Interpretation of permit or approval conditions should be coordinated with RPP Environmental.

This document will be updated on a quarterly basis.

I. AIR

A. Routine Activities List Superseded on April 1999 by HNF-4327, Rev. 0

B. Site Wide Air Permits

1. RPP Portions of Site Wide Permit, F-001 Stack Registrations, enclosure to DOE-RL letter (R. Holt) number 93-RPS-243, to WDOH (A. Conklin), dated July 28, 1993.
  - a. NESHAPS Reassessment of Potential Radionuclide Emissions from the 296-S-15 Stack, letter from WHC (Dixon), number 9301990B R60, to DOE-RL (J. Rasmussen), dated August 27, 1996
  - b. NESHAPS FFCA Reassessment of Potential Radionuclide Emissions from the 296-S-15 Stack, letter from DOE-RL (J. Rasmussen), number 96-EAP-356, to WDOH (A. Conklin) and EPA (J. Leitch), dated September 16, 1996
2. Approved Hanford Site Air Operating Permit (When Issued)

C. Notices of Construction and Approvals, Operations

**NOTE: Control of Airborne Radioactive Emissions for Frequently Performed TWRS Work Activities (ALARACT Demonstrations), HNF-4327, Rev. 0b**

a. **241-A Tank Farm Guzzler (Short Form)**

"Short Form Radioactive Air Emissions Notice of Construction (NOC) for Guzzler Excavation and Backfilling Activities in Support of the 200 East Area A Farm Complex," Enclosure to DOE-RL letter (J. Rasmussen), number 98-EAP-037, to EPA (J. Leitch), dated January 30, 1998

Approval: WDOH Approval Sheet (A. Conklin by P.J. Martell), dated December 23, 1997

Approval: EPA letter (A. Frankel) to DOE-RL (J. Rasmussen), dated March 11, 1998



b. **241-A-101 - Ventilation System - Portable Exhauster  
(Saltwell Pumping) - Non-Radioactive (Canceled  
1/7/99)**

"Non-Radioactive Air Emissions Notice of Construction (NOC),  
Use of a Portable Exhauster on 241-A-101 Tank During  
Saltwell Pumping and Other Routine Activities," DOE/RL-96-  
28, March 1996, Enclosure to DOE-RL letter (J. Rasmussen),  
number 96-MSD-074, to Ecology (J. Stohr), dated May 2, 1996

Approval: Ecology letter (J. Stohr) to DOE-RL (J.  
Rasmussen), dated June 24, 1996

Notification of Start-Up: DOE-RL letter (J. Rasmussen),  
number 96-EAP-393, to Ecology  
(M. Szyszkowski), dated  
September 26, 1996

Approval to Start-Up: Ecology letter (J. Stohr) to  
DOE-RL (J. Rasmussen), dated  
October 14, 1996

c. **241-A-101 - Ventilation System - Portable Exhauster  
(Saltwell Pumping) - Radioactive (Canceled 1/7/99)**

"Radioactive Air Emissions Notice of Construction Use of a  
Portable Exhauster on 241-A-101 Tank During Saltwell Pumping  
and Other Routine Activities," DOE/RL-96-24, dated March  
1996, Enclosure to DOE-RL letter (J. Rasmussen), number 96-  
MSD-076, to WDOH (A. Conklin) and EPA (J. Leitch), dated May  
2, 1996

Approval: WDOH letter (A. Conklin), number AIR-96-607, to  
DOE-RL (J. Rasmussen), dated June 17, 1996

Approval: EPA letter (A. Frankel), to DOE-RL (J.  
Rasmussen), dated July 2, 1996

Notification to Start-Up: DOE-RL letter (J. Rasmussen),  
number 96-EAP-392, to EPA (J.  
Leitch), dated September 26,  
1996

d. **241-AN Exhauster Fans (Field Work is On-Hold)**

"Notice of Construction for Upgrading the 241-AN Primary System Fans and Heaters," Enclosure to DOE-RL letter (J. Rasmussen), number 98-EAP-021, to WDOH (A. Conklin) and EPA (J. Leitch), dated April 27, 1998

Approval: WDOH letter (A. Conklin), number AIR-98-614, to DOE-RL (J. Rasmussen), dated June 30, 1998 (Work Must Commence by June 29, 2000)

e. **241-AN-107 Mixer Pump Installation**

Approval: WDOH Routine Technical Assistance Meeting Minutes, Installation of Mixer Pump within 107-AN UST, Page 5 of 7, June 8, 1994

f. **241-AN-107 Caustic Addition**

Approval: WDOH Routine Technical Assistance Meeting Minutes, Addition of Caustic to Tank 107-AN and Install Mixer Pump, Page 3 and 4 of 7, April 14, 1994

g. **241-AP-102 and 241-AP-104 - Radioactive**

"Radioactive Air Emissions Notice of Construction for Installation and Operation of an Initial Tank Retrieval System in Tanks 241-AP-102 and 241-AP-104, Project W-211," Enclosure to FDH letter (A. Umek), number FDH-9852527, to DOE-RL (J. Peschong), dated April 13, 1998

"Radioactive Air Emissions Notice of Construction for Installation and Operation of a Waste Retrieval System in Tanks 241-AP-102 and 241-AP-104, Project W-211," Enclosure to DOE-RL letter (S. Wisness), number 99-OSS-061, to WDOH (A. Conklin) and EPA (J. Leitch), dated November 23, 1999

Approval: WDOH Letter (A. Conklin), number AIR-00-106, to DOE-RL (S. Wisness), dated January 24, 2000  
(All Construction Must Be Completed by 2011)

Clarification: WDOH letter (A. Conklin), number AIR-00-601, to DOE-RL (S. Wisness), dated June 9, 2000

Approval: EPA Letter (B. McAllister) to DOE-RL (S. Wisness), dated February 4, 2000

"New Source Review Exemption Under Washington Administrative Code 173-400 and Washington Administrative Code 173-460 for Installation and Operation of Waste Retrieval Systems in Selected Double-Shell Tanks," Enclosure to DOE-ORP letter (J. Bevelacqua), number 00-MSO-024, to Ecology (M. Wilson), dated March 27, 2000

Approval Not Granted By Ecology on April 25, 2000

h. **241-AY and 241-AZ - Ventilation Upgrades - (Project W-151 & Project W-030) - Non-Radioactive**

"Notice of Construction Application Pursuant to Washington Administrative Code 173-460 for Ventilation Upgrades, 241-AY and 241-AZ Tank Farms," Enclosure to DOE-RL letter (J. Bauer), number 94-RPS-148, to Ecology (J. Stohr), dated March 2, 1994

"Response to Request for Additional Information - 241-AY and 241-AZ Tank Farms Ventilation Upgrades," Enclosure to DOE-RL letter (S. Wisness), number 94-RPS-276, to Ecology (D. Lundstrom and J. Stohr), dated June 30, 1994

Approval: Ecology letter (J. Stohr) to DOE-RL (S. Wisness), dated August 29, 1994

"Revision to Notice of Construction (NOC) Permit 94-07 for Project W-151 Mixer Pump Testing in Tank 241-AZ-101," DOE-RL letter 97-EAP-574 (J. Rasmussen) to Ecology (M. Wilson), dated August 25, 1997

Approval: Ecology letter (M. Wilson) to DOE-RL (J. Rasmussen), dated December 22, 1997

Notification of Start-Up: DOE-RL letter (J. Rasmussen) number 98-EAP-128, to Ecology (M. Wilson), dated March 3, 1998

"New Source Review Exemption Request for Approval on the Operation of AY/AZ Tank Farm Exhauster Stack 296-A-42 at 0.5 Cubic Meters Per Second", DOE-RL letter 98-EAP-450 (J. Rasmussen) to Ecology (M. Wilson), dated August 22, 1998

Approval: Ecology letter (M. Wilson) to DOE-RL (J. Rasmussen), dated September 1, 1998

"Request for Approval of Modification to the Notice of Construction (NOC) and Approval Order for the Ventilation Upgrades, 241-AY and 241-AZ", DOE-RL letter 99-OSS-013 (S. Wisness) to Ecology (M. Wilson), dated October 20, 1999

Approval: Ecology (J. Hensley) NOC Application Revision Form dated, October 25, 1999

Ecology letter (M. Wilson) to DOE-RL (S. Wisness), dated January 19, 2000

i. **241-AY and 241-AZ - Ventilation Upgrades - (Project W-151 & Project W-030) - Radioactive**

"Radioactive Air Emissions Program, Notice of Construction, Ventilation Upgrades, 241-AY and 241-AZ Tank Farms," Enclosure to DOE-RL letter (J. Bauer), number 94-RPS-150, to WDOH (A. Conklin), dated March 2, 1994

Approval: WDOH letter (A. Conklin), number AIR-94-502, to DOE-RL (S. Wisness), May 5, 1994

"Radioactive Air Emissions Program, Notice of Construction, Ventilation Upgrades, 241-AY and 241-AZ Tank Farms," Enclosure to DOE-RL letter (J. Bauer), number 94-RPS-149, to EPA (J. McCormick), dated March 2, 1994

Approval: EPA letter (J. McCormick) to DOE-RL (J. Bauer), dated March 15, 1994

"Modification of Approval to Construct Monitoring Requirements for 241-AY and 241-AZ Tank Farm Ventilation Upgrades (Project W-030) and Mixer Pump Installation and Operation (Project W-151), Enclosure to DOE-RL letter (J. Rasmussen), number 96-MSD-090, to WDOH (A. Conklin), dated June 10, 1996

Approval: WDOH letter (A. Conklin), number AIR-96-702, to DOE-RL (J. Rasmussen), dated July 10, 1996

"Modification of Approval to Construct Monitoring Requirements for 241-AY and 241-AZ Tank Farm Ventilation Upgrades (Project W-030) and Mixer Pump Installation and Operation (Project W-151)," Enclosure to DOE-RL letter (J. Rasmussen), number 96-MSD-091, to EPA (J. Leitch), dated June 10, 1996

Approval: EPA letter (A. Frankel) to DOE-RL (J. Rasmussen), dated September 3, 1996

"Clarifications Pursuant to Activities Associated with Project W-030," Enclosure to DOE-RL letter (J. Rasmussen), number 97-EAP-529, to WDOH (A. Conklin), dated June 27, 1997

Approval: WDOH Telephone Conference Memorandum with John Bates and Hector Rodriguez, dated July 8, 1997

"Radioactive Air Emissions Notice of Construction for Ventilation Upgrades for 241-AV and 241-AZ Tank Farms," Enclosure to DOE-RL letter (J. Rasmussen), number 98-EAP-273, to WDOH (A. Conklin) and EPA (J. Leitch), dated May 15, 1998

Approval: WDOH letter (A. Conklin), number AIR-98-708, to DOE-RL (J. Rasmussen), dated July 10, 1998

Approval: EPA letter (A. Frankel) to DOE-RL (J. Rasmussen), dated July 28, 1998

NOC Modified by Hanford Facility NOC Revision Form, January 15, 1999, DOE/RL-98-27

Approval: WDOH (A. Conklin) NOC Revision Form dated, January 19, 1999

**j. 241-BY-105 Ultra High Pressure Water Lance (Short Form)**

"Notice of Construction Use of an Ultra High Pressure Water Lance to Install Saltwell Pumping Hardware in Tank 241-BY-105," DOE/ORP-99-08, dated November 1999

Approval: WDOH letter (A. Conklin), number AIR-00-207, to DOE-RL (S. Wisness), dated February 22, 2000  
(All Work on the Project Must be Concluded by 2005)

**k. 241-C-103 - Enhanced Ventilation System (No WDOH NOC Required)**

"Notice of Construction for the Enhanced Ventilation of Tank 241-C-103 to Mitigate Noxious and Hazardous Vapors," Enclosure to DOE-RL letter (J. Rasmussen), number 95-PRI-063, to Ecology (J. Stohr), dated June 23, 1995

Approval: Ecology letter (J. Stohr) to DOE-RL (J. Rasmussen), dated June 28, 1995

"Request for Approval to Use an Alternative Method for Sampling and Analysis of Non-Methane Organic Compounds from Tank 241-C-103," Enclosure to DOE-RL letter (J. Rasmussen), number 95-TOP-217, to Ecology (R. King), dated November 27, 1995

Approval: Ecology letter (R. King) to DOE-RL (J. Rasmussen), dated January 26, 1996

l. **241-C-103 - Organic Removal (Expired/Project Dropped)**

"Radioactive Air Emissions Notice of Construction for Organic Removal from Tank 241-C-103," Enclosure to DOE-RL letter (J. Rasmussen), number 94-PCA-002, to WDOH (A. Conklin) and EPA (J. McCormick), dated August 8, 1994

Approval: WDOH letter (A. Conklin), number AIR-94-910, to DOE-RL (J. Rasmussen), dated September 8, 1994

Approval: EPA letter (J. McCormick) to DOE-RL (J. Rasmussen), dated August 31, 1994

m. **241-C-106 Sluicing - Project W-320 - Phase I (Expired)**

"National Emission Standards for Hazardous Air Pollutants Project W-320, Tank 241-C-106 Sluicing," Enclosure to DOE-RL letter (J. Bauer), number 94-RPS-126, to Ecology (J. Stohr), dated February 17, 1994

Approval: DSI from S. Stites (DOE-RL) to L. Erickson (DOE-RL) dated May 10, 1994. The DSI documents an April 12, 1994 telecon between DOE-RL with Ecology and documents Ecology's verbal concurrence.

"National Emission Standards for Hazardous Air Pollutants Project W-320, Tank 241-C-106 Sluicing," Enclosure to DOE-RL letter (J. Bauer), number 94-RPS-124, to WDOH (A. Conklin), dated February 15, 1994

Approval: WDOH letter (A. Conklin), number AIR-94-214, to DOE-RL (J. Bauer), dated February 28, 1994

"Application for Approval for Construction Pursuant to 40 Code of Federal Regulations 61 Project W-320, Tank 241-C-106 Sluicing," Enclosure to DOE-RL (J. Bauer), number 94-RPS-125, to EPA (J. McCormick), dated February 17, 1994

Approval: EPA letter (J. McCormick) to DOE-RL (J. Bauer), dated February 23, 1994

n. **241-C-106 Sluicing - Project W-320 - Phase II - Non-Radioactive**

"Nonradioactive Air Emissions Notice of Construction Project W-320, 241-C-106 Tank Sluicing," DOE/RL-95-62, Rev. 1, Enclosure to DOE-RL (J. Rasmussen), number 97-EAP-114, to Ecology (J. Stohr), dated December 11, 1996

Approval: Ecology letter (M. Wilson) to DOE-RL (J. Rasmussen), dated October 24, 1997

"State of Washington Department of Ecology (Ecology) Approval of W-320 Total Organic Testing," Enclosure to DOE-RL (J. Rasmussen), number 98-EAP-503, to Ecology (M. Wilson), dated September 11, 1998

Approval: Ecology letter (M. Wilson) to DOE-RL (J. Rasmussen), dated September 23, 1998

"Revision to 241-C-106 Notice of Construction Application for Project W-320, 241-C-106 Tank Sluicing," Enclosure to DOE-RL (J. Rasmussen), number 99-EAP-247, to Ecology (M. Wilson), dated April 7, 1999

Approval: Ecology letter (M. Wilson) to DOE-RL (J. Rasmussen), dated April 9, 1999

o. **241-C-106 - Sluicing - Project W-320 - Phase II - Radioactive**

"Radioactive Air Emissions, Notice of Construction, Project W-320, Tank 241-C-106," DOE/RL-95-45, Rev. 1, dated September 1996, Enclosure to DOE-RL letter (J. Rasmussen), number 96-EAP-291, to WDOH (A. Conklin) and EPA (J. Leitch), dated September 25, 1996

Approval: WDOH letter (A. Conklin), number AIR-95-712, to DOE-RL (J. Rasmussen), dated July 31, 1995

Approval: EPA letter (J. McCormick) to DOE-RL (J. Bauer), dated February 23, 1994

Notification of Start-Up: DOE-RL letter (J. Rasmussen) number 96-MSD-182, to EPA (A. Frankel), dated September 26, 1996

"Radioactive Air Emissions Notice of Construction (NOC) Project W-320, Tank 241-C-106 Sluicing," DOE/RL-95-45, Rev. 2, Enclosure to DOE-RL letter (J. Rasmussen), number 98-EAP-469, to WDOH (A. Conklin) and EPA (J. Leitch), dated August 28, 1998

Approval: WDOH letter (A. Conklin), number AIR-98-1002, to DOE-RL (J. Rasmussen), dated October 2, 1998

Approval: EPA letter (A. Frankel) to DOE-RL (J. Rasmussen), dated September 10, 1998

NOC Modified by Hanford Facility NOC Revision Form, April 8, 1999, DOE/RL-95-45 Rev. 2

Approval: WDOH (R. Acselrod) NOC Revision Form dated, April 8, 1999

p. **241-ER-311 Catch Tank (Short Form)**

"Radioactive Air Emissions Notice of Construction 241-ER-311 Catch Tank," DOE/RL-99-81, dated November 1999

Approval: WDOH Approval Sheet (A. Conklin), dated November 8, 1999

Approval: EPA letter (B. McAllister) to DOE-RL (J. Rasmussen), dated November 16, 1999

q. **241-S Ventilation System (Work Completed 1996 Per D. Scott, Only Exhauster Remains)**

"Notice of Construction for the Modification of the 241-S Tank Farm Ventilation System," August 1995, Enclosure to DOE-RL letter (J. Rasmussen), number 95-PCA-500, to WDOH (A. Conklin) & EPA (P. Millam), dated September 1, 1995

Approval: WDOH letter (A. Conklin), number AIR-95-1004, to DOE-RL (J. Rasmussen), dated October 12, 1995

Approval: EPA letter (M. Busse), to DOE-RL (J. Rasmussen), dated September 20, 1995



r. **241-S-151 Division Box (Short Form)**

"Notice of Construction Work in Tank Farm 241-S-151 Diversion Box," DOE/RL-99-52, dated October 1999

Approval: WDOH letter (A. Conklin), number AIR-99-1010, to DOE-RL (S. Wisness), dated October 28, 1999  
(NOC Valid Until July 14, 2004)

Approval: Ecology Approval Not Required

s. **241-SY-101 - Crust Growth Near Term Mitigation (Short Form)**

"Radioactive Air Emissions Notice of Construction, 241-SY-101 Crust Growth Near Term Mitigation Short Form," DOE-RL-99-30, April 1999

Approval: WDOH Approval Sheet (A. Conklin), dated April 23, 1999

"Radioactive Air Emissions Notice of Construction (NOC) for 241-SY-101 Crust Growth Near Term Mitigation Short Form," Enclosure to DOE-RL letter (J. Rasmussen), number 99-EAP-278, to EPA (J. Leitch), dated April 29, 1999

Approval: EPA letter (A. Frankel), to DOE-RL (J. Rasmussen), dated April 29, 1999

"Determination of New Source Review (WAC 173-400 and 460) Proposed SY-101 Crust Mitigation Activity," Enclosure to LMHC letter (E. Mayer), number LMHC-9952430, to FDH (W. Adair), dated April 14, 1999

Approval: Ecology Approval Not Required

"New Source Review of SY-101 Water Addition," LMHC Interoffice Memo (D. Carrell), number 7B210-99-003, to Letter to File, dated November 2, 1999

Approval: Ecology Approval Not Required

t. **241-SY-101 - Mixer Pump Replacement**

"Replacement of Mixer Pump in Tank 241-SY-101," Enclosure to DOE-RL letter (J. Rasmussen), number 95-PCA-149, to WDOH (A. Conklin) and EPA (J. McCormick), dated February 1, 1995

Approval: WDOH letter (A. Conklin), number AIR-95-203, to DOE-RL (J. Rasmussen), dated February 21, 1995

Approval: EPA letter (J. McCormick) to DOE-RL (J. Rasmussen), dated February 14, 1995

u. **241-SY-102 - Initial Tank Retrieval Systems - Project W-211 (Expired)**

"Radioactive Air Emissions Notice of Construction, Project W-211, Initial Tank Retrieval Systems," DOE/RL-95-104, January 1996, Enclosure to DOE-RL letter (J. Rasmussen), number 96-RTI-021, to WDOH (A. Conklin) and EPA (J. Leitch), dated February 9, 1996

Approval: EPA letter (A. Frankel) to DOE-RL (J. Rasmussen), dated March 15, 1996

"Response to the State of Washington Department of Health's Request for More Information Concerning the Radioactive Air Emissions Notice of Construction (NOC) for Project W-211, Initial Tank Retrieval Systems for 241-SY-102 Tank," DOE-RL letter (J. Rasmussen), number 96-MSD-103, to WDOH (A. Conklin), dated July 23, 1996

Approval: WDOH letter (A. Conklin), number AIR-96-801, to DOE-RL (J. Rasmussen), dated August 5, 1996

Clarification: WDOH letter (A. Conklin), number AIR-96-902, to DOE-RL (J. Rasmussen), dated September 11, 1996

v. **241-TX-154 Diversion Box (Short Form)**

"Notice of Construction Work in Tank Farm 241-TX-154 Diversion Box," DOE/RL-99-76, dated October 1999

Approval: WDOH letter (A. Conklin), number AIR-99-1011, to DOE-RL (S. Wisness), dated October 29, 1999 (NOC Valid Until July 14, 2004)

Approval: Ecology Approval Not Required

w. **241-UX-154 Diversion Box (Short Form)**

"Notice of Construction Work in Tank Farm 241-UX-154 Diversion Box," DOE/RL-99-52, dated August 1999

Approval: WDOH letter (A. Conklin), number AIR-99-1003, to DOE-RL (J. Rasmussen), dated October 6, 1999 (NOC Valid Until July 14, 2004)

Approval: Ecology Approval Not Required

x. **244-A Lift Station and 241-ER-152 Diversion Box (Short Form)**

"Notice of Construction Work in Tank Farm Waste Transfer Pits Designated 241-ER-152 and 244-A Lift Station," dated January 29, 1999

Approval: WDOH letter (A. Conklin), number AIR-99-204, to DOE-RL (J. Rasmussen), dated February 12, 1999 (NOC is Valid until January 1, 2005)

"Notice of Construction Work in Tank Farm Waste Transfer Pits Designated 241-ER-152 and 244-A Lift Station Short Form" Enclosure to DOE-RL letter (J. Rasmussen), number 99-EAP-170, to EPA (J. Leitch), dated February 12, 1999

Approval: EPA letter (A. Frankel), to DOE-RL (J. Rasmussen), dated February 17, 1999

Notification of Start-Up: DOE-RL letter (J. Rasmussen), number 99-EAP-195, to EPA (J. Leitch), dated March 3, 1999

Approval: Ecology Approval Not Required

y. **244-AR Vault**

"Radioactive Air Emissions Notice of Construction Use of a Portable Exhauster at 244-AR Vault," DOE/RL-97-05, Rev. 2, Enclosure to DOE-RL letter (J. Rasmussen), number 97-EAP-618, to WDOH (A. Conklin), dated August 18, 1997

Approval: WDOH letter (A. Conklin), number AIR-97-1007, to DOE-RL (J. Rasmussen), dated October 9, 1997 (Exhauster Must Cease Operations By October 9, 2007)

"Radioactive Air Emissions Notice of Construction Use of a Portable Exhauster at 244-AR Vault," DOE/RL-97-05, Rev. 2, Enclosure to DOE-RL letter (J. Rasmussen) number 97-EAP-619, to EPA (J. Leitch), dated August 18, 1997

Approval: EPA Letter (A. Frankel) to DOE-RL (J. Rasmussen), dated October 24, 1997

244-AR Vault NOC Modified by Hanford Facility NOC Revision Form, February 17, 1999

Approval: WDOH (A Conklin) NOC Revision Form dated, February 17, 1999

**z. 244-AR Vessel Vent System (Isolation of 296-A-12 Exhauster) (Short Form) (Completed)**

"Radioactive Air Emissions Notice of Construction for Isolation of 296-A-12 Exhauster from the 244-AR Vessel Vent System," DOE/RL-99-55, Rev. 0, dated August 1999

Approval: WDOH Approval Sheet (A. Conklin), dated August 9, 1999

"Isolation of 296-A-12 Exhauster from the 244-AR Vessel Vent System," Telephone Conference Memorandum, between WMH & EPA, dated August 11, 1999

Approval: Per Telephone Conference Memorandum, EPA Approval is not required

**aa. 244-CR Vault**

"Notice of Construction for Work in the Tank Farm 244-CR Vault," DOE/ORP-99-07, Rev. 0, dated November 1999

Approval: WDOH letter (A. Conklin), number AIR-00-107, to DOE-RL (S. Wisness), dated January 25, 2000 (NOC Valid Through Fiscal Year 2005)

Approval: Revised WDOH letter (A. Conklin), number AIR-00-206, to DOE-RL (S. Wisness), dated February 15, 2000 (NOC Valid Through Fiscal Year 2005)

ab. **244-TX Double Contained Receiver Tank (Short Form)**

"Notice of Construction Work in Tank Farm Waste Transfer Pit 244-TX Double-Contained Receiver Tank," July 1999, DOE/RL-99-47, Enclosure to DOE-RL letter (J. Rasmussen), number 99-EAP-402, to EPA (J. Leitch), dated July 28, 1999

Approval: WDOH Letter (A. Conklin), number AIR-99-805, to DOE-RL (J. Rasmussen), dated August 30, 1999  
(NOC Valid Until July 14, 2004)

Approval: WDOH letter (A. Conklin), number AIR-99-1002, to  
(Revised) DOE-RL (J. Rasmussen), dated October 6, 1999  
(NOC Valid Until July 14, 2004)

Approval: Ecology Approval Not Required

NOC Modified by Hanford Facility NOC Revision Form, April 25, 2000, DOE/RL-99-47, Rev. 1

Approval: WDOH (P. Martell) NOC Revision Form dated, April 27, 2000

ac. **244-U Double Contained Receiver Tank (Expired)**

"Radioactive Air Emissions Notice of Construction 244-U Double Contained Receiver Tank," Enclosure to DOE-RL letter (J. Rasmussen), number 94-PCA-034, to WDOH (A. Conklin) and EPA (J. McCormick), dated September 16, 1994

Approval: WDOH letter (A. Conklin), number AIR-94-919, to DOE-RL (J. Rasmussen), dated October 4, 1994

Approval: EPA letter (J. McCormick) to DOE-RL (J. Rasmussen), dated October 6, 1994

"Revision to the Radioactive Air Emissions Notice of Construction for the 244-U Double Contained Receiver Tank," Enclosure to DOE-RL letter (J. Rasmussen), number 97-EAP-045, to WDOH (A. Conklin), dated October 30, 1996

Approval: WDOH letter (A. Conklin), number AIR-96-1110, to DOE-RL (J. Rasmussen), dated November 26, 1996

"Revision to the Radioactive Air Emissions Notice of Construction for the 244-U Double Contained Receiver Tank," Enclosure to DOE-RL letter (J. Rasmussen), number 97-EAP-046, to EPA (J. Leitch), dated October 30, 1996

ad. **244-U Double Contained Receiver Tank By-Pass (Short Form)**

"Notice of Construction By-Passing the 244-U Double Contained Receiver Tank During Salt Well Pumping"

Approval: WDOH Approval Sheet (A. Conklin), dated May 4, 1999

"Notice of Construction By-Passing the 244-U Double Contained Receiver Tank During Salt Well Pumping (Short Form)," Enclosure to DOE-RL letter (J. Rasmussen), number 99-EAP-282, to EPA (J. Leitch), dated May 5, 1999

Approval: EPA letter (A. Frankel), to DOE-RL (J. Rasmussen), dated May 7, 1999

"New Source Reviews Under Washington Administrative Code 173-400 and Washington Administrative Code 173-460," Enclosure to WMH letter (E. Greager), number WMH-9953153, to LMHC (D. Carrell), dated May 6, 1999

Approval: Ecology Approval Not Required

ae. **Isolation of 296-P-17 Exhauster from the 241-A-105 Tank (Short Form)**

"Radioactive Air Emissions Notice of Construction for Isolation of 296-P-17 Exhauster from the 241-A-105 Tank", DOE/RL-99-57, dated September 1999

Approval: WDOH Approval Sheet (A. Conklin), dated September 15, 1999

NOC Modified by Hanford Facility NOC Revision Form, December 8, 1999, DOE/RL-99-57

Approval: WDOH (R. Acselrod) NOC Revision Form dated, December 9, 1999

af. **Categorical Use of the Guzzler Vacuum Excavation System (Short Form)**

"Categorical Notice of Construction for Use of the Guzzler Vacuum Excavation System for Radiologically Limited Activities on the Hanford Site."

Approval: WDOH letter (A. Conklin), number AIR-98-1215, to DOE-RL (J. Rasmussen), dated December 18, 1998

"National Emissions Standard for Hazardous Air Pollutants Application for Approval of the Categorical Use of the Guzzler Vacuum Excavation System for Radiologically Limited Activities on the Hanford Site," Enclosure to DOE-RL letter (J. Rasmussen), number 99-SID-021, to EPA (J. Leitch), dated February 1, 1999

Approval: EPA letter (A. Frankel), to DOE-RL (J. Rasmussen), dated March 11, 1999

ag. **Cone Penetrometer, 241-AX-104 (Short Form)**

"Soil Characterization Around 241-AX-104 Tank Using the Cone Penetrometer (Short Form)," Enclosure to DOE-RL letter (J. Rasmussen), number 98-EAP-576, to WDOH (A. Conklin), dated October 15, 1998

Approval: WDOH letter (A. Conklin), number AIR-98-1009, to DOE-RL (J. Rasmussen), dated October 29, 1998

"Soil Characterization Around 241-AX-104 Tank Using the Cone Penetrometer," Enclosure to DOE-RL letter (J. Rasmussen), number 99-EAP-005, to EPA (J. Leitch), dated October 26, 1998 (No Approval from EPA Needed)

ah. **Categorical Facility Entry and Surveillance (Short Form)**

"Radioactive Air Emissions Notice of Construction Categorical Facility Entry and Surveillance"

ai. **Cross-Site Transfer System - Project W-058 (Short Form) (Completed)**

"Radioactive Air Emissions Short Form Notice of Construction (NOC) for Project W-058 Excavation and Backfilling in Support of the Cross-Site Transfer System," Enclosure to DOE-RL letter (J. Rasmussen), number 97-EAP-449, to WDOH (A. Conklin), dated June 9, 1997.

Approval: WDOH Approval Sheet (A. Conklin), dated June 13, 1997

"Radioactive Air Emissions Short Form Notice of Construction (NOC) for Project W-058 Excavation and Backfilling in Support of the Cross-Site Transfer System," Enclosure to DOE-RL letter (J. Rasmussen), number 97-EAP-448, to EPA (J. Leitch), dated June 9, 1997.

Approval: EPA letter (A. Frankel) to DOE-RL (J. Rasmussen), dated June 19, 1997

aj. **Decommissioning and Sampling of Borehole 41-09-39 (Short Form) (Completed)**

"Notice of Construction for Tank Waste Remediation System Decommissioning and Sampling of Borehole 41-09-39 (Short Form)"

Approval: WDOH Approval Sheet (A. Conklin), dated May 7, 1999

"Radioactive Air Emissions Notice of Construction for the Tank Waste Remediation System Decommissioning and Sampling of Borehole 41-09-39," Enclosure to DOE-RL letter (J. Rasmussen), number 99-EAP-296, to EPA (J. Leitch), dated May 10, 1999

Approval: EPA letter (A. Frankel) to DOE-RL (J. Rasmussen), dated May 20, 1999

"New Source Reviews Under Washington Administrative Code 173-400 and Washington Administrative Code 173-460," Enclosure to WMH letter (E. Greager), number WMH-9953153, to LMHC (D. Carrell), dated May 6, 1999

Approval: Ecology Approval Not Required

ak. **Portable Exhauster/Saltwell Pumping - Non-Radioactive**

"Nonradioactive Air Emissions Notice of Construction Use of Portable Exhauster on Single-Shell Tanks During Saltwell Pumping," DOE/RL-97-10, July 1998, Enclosure to DOE-RL letter (J. Rasmussen), number 98-EAP-414, to Ecology (M. Wilson), dated August 12, 1998

Approval: Ecology letter (M. Wilson) to DOE-RL (J. Rasmussen), dated October 23, 1998

"Addition of Tanks 241-T-104 and 241-T-110 to the Non-Radioactive Air Emissions Notice of Construction Use of a Portable Exhauster on Single-Shell Tanks During Salt Well Pumping," Enclosure to DOE-RL letter (J. Rasmussen), number 99-EAP-378, to Ecology (M. Wilson), dated June 30, 1999

Approval: Ecology letter (M. Wilson) to DOE-RL (J. Rasmussen), dated July 7, 1999



"Addition of Tank 241-A-101 to the Non-Radioactive Air Emissions Approval Order Number DE98NWP-006, Use of a Portable Exhauster on Single-Shell Tanks During Salt-Well Pumping," Enclosure to DOE-RL letter (J. Rasmussen), number 99-EAP-469, to Ecology (M. Wilson), dated August 26, 1999

Approval: Ecology letter (M. Wilson) to DOE-RL (J. Rasmussen), dated September 23, 1999

al. **Portable Exhauster/Saltwell Pumping - Radioactive**

"Radioactive Air Emissions Notice of Construction Use of a Portable Exhauster on Single-Shell Tanks During Saltwell Pumping," DOE/RL-97-09, Rev. 2, August 1998, Enclosure to DOE-RL letter (J. Rasmussen), number 98-EAP-491, to WDOH (A. Conklin) & EPA (J. Leitch), dated September 8, 1998

Approval: WDOH letter (A. Conklin), number AIR-98-1207, to DOE-RL (J. Rasmussen), dated December 16, 1998

Approval: EPA letter (A. Frankel) to DOE-RL (J. Rasmussen), dated October 15, 1998

NOC Modified by Hanford Facility NOC Revision Form, June 17, 1999, DOE/RL-97-09 Rev. 3

Approval: WDOH (R. Acselrod) NOC Revision Form dated, June 17, 1999

Approval: EPA letter (A. Frankel) to DOE-RL (J. Rasmussen), dated August 10, 1999

NOC Modified by Hanford Facility NOC Revision Form, July 31, 1999, DOE/RL-97-09 Rev. 4

Approval: WDOH (R. Acselrod) NOC Revision Form dated, July 31, 1999

am. **Portable Temporary Radioactive Airborne Emissions Units**

"Annual update, DOE/RL-96-75, Rev. 1, State of Washington, Department of Health, Radioactive Air Emissions Notice of Construction Portable/Temporary Radioactive Air Emissions Units," DOE/RL-96-75, Rev. 1, dated August 1997, Enclosure to DOE-RL letter (J. Rasmussen), number 97-EAP-651, to WDOH (A. Conklin), dated September 16, 1997

Approval: WDOH letter (A. Conklin), number AIR-97-1207, to DOE-RL (J. Rasmussen), dated December 15, 1997

"Annual update, DOE/RL-96-75, Rev. 1A, State of Washington Department of Health, Radioactive air Emissions Notice of Construction Portable/Temporary Radioactive Air Emissions Units," DOE/RL-96-75, Rev. 1A, dated August 1998, Enclosure to DOE-RL letter (J. Rasmussen), number 98-EAP-478, to WDOH (A. Conklin), dated September 1, 1998

Approval: WDOH letter (A. Conklin), number AIR 98-1008, to DOE-RL (J. Rasmussen), dated October 22, 1998

"Radioactive Air Emissions Notice of Construction Portable/Temporary Radioactive Air Emission Units," DOE/RL-96-75, Rev. 2, dated June 1999, Enclosure to DOE-RL letter (J. Rasmussen), number 99-EAP-383, to WDOH (A. Conklin), dated June 30, 1999

Approval: WDOH letter (A. Conklin), number AIR 99-1102, to DOE-RL (S. Wisness), dated November 4, 1998

Approval: WDOH (A Conklin) NOC Revision Form dated, February 17, 1999

Approval: PTRAEU NOC Modified by Hanford Facility NOC Revision Form, February 15, 2000

Approval: Clarification of Approval Conditions (A. Conklin), dated February 15, 2000

an. **Project W-519 - Liquid Effluent Transfer System**

"Radioactive Air Emissions Notice of Construction for Construction of the Liquid Effluent Transfer System, Project W-519," Enclosure to DOE-ORP letter (J. Bevelacqua), number 00-EVD-005, to WDOH (A. Conklin) and EPA (J. Leitch), dated May 24, 2000

"New Source Review Evaluation for Installation of the Liquid Effluent Transfer System, Project W-519," Enclosure to DOE-ORP letter (J. Bevelacqua), number 00-EVD-007, to Ecology (M. Wilson), dated June 5, 2000

ao. **Radioactive Air Emissions Notice of Construction Project W-314 - Tank Farms (Short Form)**

"Radioactive Air Emissions Notice of Construction Project W-314 Tank Farm Restoration and Safe Operations," Enclosure to DOE-RL letter (J. Rasmussen), number 97-EAP-760, to WDOH (A. Conklin), dated December 8, 1997

Approval: WDOH letter (A. Conklin), number AIR-98-302, to DOE-RL (J. Rasmussen), dated March 5, 1998

"Radioactive Air Emissions Notice of Construction Project W-314 Tank Farm Restoration and Safe Operations (Short Form)," Enclosure to DOE-RL letter (J. Rasmussen), number 97-EAP-761, to EPA (J. Leitch), dated December 8, 1997

Approval: EPA letter (A. Frankel) to DOE-RL (J. Rasmussen), dated December 23, 1997

"Notice of Construction Tank Farm Restoration and Safe Operations Project W-314 (Short Form), Revision 1," dated March 23, 1999

Approval: WDOH letter (A. Conklin), number AIR-99-404, to DOE-RL (J. Rasmussen), dated April 19, 1999

"Notification of New Source Review Exemption for Project W-314 Under Washington Administrative Code (WAC) 173-400," Enclosure to DOE-RL letter (J. Rasmussen), number 99-EAP-212, to Ecology (M. Wilson), dated March 22, 1999

Approval: Ecology Approval Received By Default

NOC Modified by Hanford Facility NOC Revision Form, November 15, 1999, Rev. 2

Approval: WDOH (R. Acselrod) NOC Revision Form dated, November 16, 1999

Approval: EPA letter (B. McAllister) to DOE-RL (S. Wisness), dated November 22, 1999

NOC Modified by Hanford Facility NOC Revision Form, December 15, 1999, Rev. 3

Approval: WDOH letter (A. Conklin), number AIR-00-104, to DOE-RL (S. Wisness), dated January 13, 2000

NOC Modified by Hanford Facility NOC Revision Form, March 10, 2000, Rev. 4

Approval: WDOH letter (A. Conklin), number AIR-00-310, to DOE-RL (S. Wisness), dated March 22, 2000  
(Commence Construction Within Two Years from the Date of Approval)

ap. **Radioactive Air Emissions Notices of Construction for Project W-420, Stack Monitoring System Upgrades for the 296-A-25, 296-B-28, 296-C-05, 296-P-16, 296-S-22, and 296-T-18 Stacks (Short Forms)**

"Radioactive Air Emissions Notices of Construction for Project W-420, Stack Monitoring System Upgrades for the 296-A-25, 296-B-28, 296-C-05, 296-P-16, 296-S-22, and 296-T-18 Stacks (Short Forms)," Enclosure to DOE-RL letter (J. Rasmussen), number 99-EAP-100, to WDOH (A. Conklin) & EPA (J. Leitch), dated December 22, 1998

Approval: WDOH letter (A. Conklin), number AIR-99-115, to DOE-RL (J. Rasmussen), dated January 29, 1999

Approval: EPA letter (A. Frankel) to DOE-RL (J. Rasmussen), dated January 7, 1999

"W-420 Excavation Activities at the 296-B-28, 296-C-05, 296-P-16, 296-S-22, and 296-T-18 Stacks Resume-Work Strategy," dated May 5, 1999

Approval: WDOH Approval Sheet (A. Conklin), dated May 6, 1999

"New Source Review Under Washington Administrative Codes 173-400 and 173-460 for Project W-420, Stack Monitoring System Upgrades for the 296-A-25, 296-B-28, 296-C-05, 296-P-16, 296-S-22, and 296-T-18 Stacks," Enclosure to DOE-RL letter (J. Rasmussen), number 99-EAP-173, to Ecology (M. Wilson), dated March 1, 1999

Approval: Ecology Approval Received By Default

aq. **TWRS High-Efficiency Particulate Air (HEPA)  
Filtered Vacuum Approval (Superseded by Site-Wide HEPA NOC)**

"Approval Request for the U.S. Department of Energy, Richland Operations Office (RL) Tank Waste Remediation System (TWRS) Use of T-Plant Notice of Construction (NOC) for Use of Euro Vacuums Model UZ 948," Enclosure to DOE-RL letter (J. Rasmussen), number 97-EAP-499, to EPA (J. Leitch), dated June 23, 1997

Approval: EPA letter (A. Frankel) to DOE-RL (J. Rasmussen), dated July 3, 1997

Approval: WDOH letter (A. Conklin), number AIR-97-607, to DOE-RL (J. Rasmussen), dated June 12, 1997

ar. **Site-Wide HEPA Filtered Vacuum - Radioactive**

"Radioactive Air Emissions Notice of Construction HEPA Filtered Vacuum Radioactive Air Emissions Units," Enclosure to DOE-RL letter (J. Rasmussen), number 97-EAP-791, to WDOH (A. Conklin), dated November 26, 1997

Approval: WDOH letter (A. Conklin), number AIR-98-312, to DOE-RL (J. Rasmussen), dated March 25, 1998

"Radioactive Air Emissions Notice of Construction HEPA Filtered Vacuum Radioactive Air Emissions Units," Enclosure to DOE-RL letter (J. Rasmussen), number 97-EAP-792, to EPA (A. Frankel), dated November 26, 1997

Approval: EPA letter (A. Frankel) to DOE-RL (J. Rasmussen), dated January 8, 1998

"Radioactive Air Emissions Notice of Construction for HEPA Filtered Vacuum Radioactive Air Emission Units," DOE/RL-97-50, Rev. 1, dated June 1999, Enclosure to DOE-RL letter (J. Rasmussen), number 99-EAP-383, to WDOH letter (A. Conklin), dated June 30, 1999

Approval: WDOH letter (A. Conklin), number AIR-99-1103, to DOE-RL (S. Wisness), dated November 4, 1999

Approval: WDOH Clarification of Approval Conditions (A. Conklin), dated February 15, 2000

as. **Cask Truck - LR56 (Project Dropped)**

"Request for Approval of an Alternate Method for Flow measurements for the LR56 Cask Truck," Enclosure to DOE-RL letter (J. Rasmussen), number 97-EAP-006, to EPA (J. Leitch), dated October 23, 1996  
(A letter was never sent to Ecology)

Approval: EPA letter (A. Frankel) to DOE-RL (J. Rasmussen), dated July 17, 1997

at. **Underground Storage Tanks & Ancillary Piping (Completed)**

"Notice of Construction for Excavation and Backfill Activity for Two Diesel Underground Storage Tanks and Ancillary Piping"

Approval: WDOH Signature (A. Conklin), dated August 18, 1998

au. **Vadose Zone Characterization**

"Notice of Construction for Tank Waste Remediation System Vadose Zone Characterization," DOE/RL-99-34, dated May 1999, Enclosure to DOE-RL letter (J. Rasmussen), number 99-EAP-328, to WDOH (A. Conklin) & EPA (J. Leitch), dated June 3, 1999

Approval: WDOH letter (A. Conklin), number AIR-99-701, to DOE-RL (J. Rasmussen), dated July 14, 1999  
(Duration Per NOC July 15, 2019)

Approval: EPA letter (A. Frankel) to DOE-RL (J. Rasmussen), dated June 14, 1999

"Notification of New Source Review Exemption for 241-SX Vadose Zone Project Under Washington Administrative Code 173-400 and 173-460," Enclosure to DOE-RL (J. Rasmussen), number 99-EAP-313, to Ecology (M. Wilson), dated May 18, 1999

Approval: Ecology Approval Received By Default

Tank Waste Remediation System Vadose Zone Characterization NOC Modified by Hanford Facility NOC Revision Form, August 16, 1999

Approval: WDOH (A. Conklin) NOC Revision Form dated, August 23, 1999

Tank Waste Remediation System Vadose Zone Characterization  
NOC Modified by Hanford Facility NOC Revision Form, October  
28, 1999

Approval: WDOH (A. Conklin) NOC Revision Form dated,  
November 1, 1999

"Notification of New Source Review Exemption for 241-A/AX/  
B/BX/BY/C Vadose Zone Program Under Washington Administr-  
ative Code 173-400 and 173-460," Enclosure to DOE-RL (S.  
Wisness), number 99-OSS-048, to Ecology (M. Wilson), dated  
December 6, 1999

Approval: Ecology Approval Received By Default

"Notification of New Source Review Exemption for 241-S  
Vadose Zone Program Under Washington Administrative Code  
173-400 and 173-460," Enclosure to DOE-RL (S. Wisness),  
number 99-OSS-049, to Ecology (M. Wilson), dated December 6,  
1999

Approval: Ecology Approval Received By Default

"Modification of New Source Review Exemption for 241-A/AX/B/  
BX/BY/C/S/SX Vadose Zone Program Under Washington  
Administrative Code 173-400 and 173-460," Enclosure to DOE-  
RL letter (J. Rasmussen), number 00-OSS-236, to Ecology (M.  
Wilson), dated March 2, 2000

Approval: Ecology Approval Received By Default

"Notice of Construction for Tank Waste Remediation System  
Vadose Zone Characterization," DOE/ORP-2000-05, dated  
February 2000, Enclosure to DOE-RL letter (S. Wisness),  
number 00-OSS-253, to EPA (J. Leitch), dated March 9 2000

"Notice of Construction for Tank Waste Remediation System  
Vadose Zone Characterization," DOE/ORP-2000-05, dated  
February 2000, Enclosure to DOE-RL letter (S. Wisness),  
number 00-OSS-254, to WDOH (A. Conklin), dated March 9, 2000

Approval: WDOH letter (A. Conklin), number AIR-00-505, to  
DOE-RL (S. Wisness), dated May 11, 2000

Approval: EPA letter (B. McAllister) to DOE-RL (S.  
Wisness), dated May 12, 2000

"Notice of Construction for Tank Waste Remediation System Vadose Zone Characterization," DOE/ORP-2000-05, Rev. 1, dated April 2000, Enclosure to DOE-ORP letter (J. Bevelacqua), number 00-ESHQ-004, to WDOH (A. Conklin) & EPA (J. Leitch), dated April 21, 2000

Approval: WDOH letter (A. Conklin), number AIR-00-515, to DOE-RL (S. Wisness), dated May 26, 2000

Approval: EPA letter (B. McAllister) to DOE-RL (S. Wisness), dated May 26, 2000

**av. Vapor Sampling of Miscellaneous Underground Units with No Known Path of Ventilation**

"Radioactive Air Emissions Notice of Construction Vapor Sampling of Miscellaneous Underground Units with No Known Path of Ventilation" dated April 2000

Approval: WDOH letter (A. Conklin), number AIR-00-510, to DOE-RL (S. Wisness), dated May 18, 2000 (NOC Valid Until April 1, 2010)

**aw. Waste Retrieval System in Tanks 241-AN-101, 241-AN-102, 241-AN-103, 241-AN-104, 241-AN-105 AND 241-AN-107 - Installation & Operations**

"Radioactive Air Emissions Notice of Construction for Application Installation and Operations of a Waste Retrieval System in Tanks 241-AN-101, 241-AN-102, 241-AN-103, 241-AN-104, 241-AN-105 AND 241-AN-107," DOE/ORP-2000-15, Rev. 0, dated April 2000, Enclosure to DOE-ORP letter (J. Bevelacqua), number 00-ESHQ-005, to WDOH (A. Conklin) and EPA (J. Leitch), dated May 3, 2000

**ax. Waste Retrieval System in Double-Shell Tanks**

"Nonradioactive Air Emissions Notice of Construction Application for Installation and Operation of a Waste Retrieval System in Double-Shell Tanks," DOE/ORP-2000-14, Rev. 0, dated April 2000, Enclosure to DOE-ORP letter (J. Bevelacqua), number 00-EVD-004, to Ecology (M. Wilson), dated May 11, 2000

Approval: Ecology letter (M. Wilson) to DOE-ORP (J. Bevelacqua), dated June 13, 2000



D. Notices of Construction and Approvals, Characterization Program

a. **Rotary Mode Core Sampling Truck - Two - Non-Radioactive (Expired)**

"NESHAPS Application for Approval to Construct Rotary Mode Core-Sampling Truck and Exhauster," DOE/RL-93-39, dated May 1993, Enclosure to DOE-RL letter (J. Rasmussen), number 93-RPS-245, to EPA (J. McCormick), dated June 25, 1993

Approval: EPA letter (J. McCormick) to DOE-RL (R. Holt), dated August 9, 1993

"Radioactive Air Emissions Program Notice of Construction, Rotary Mode Core Sampling Truck and Exhauster," DOE/RL-93-40, dated May 1993, Enclosure to DOE-RL letter (J. Rasmussen), number 93-RPS-244, to WDOH (A. Conklin), dated June 25, 1993

Approval: WDOH letter AIR-93-707 (A. Conklin) to DOE-RL (J. Rasmussen), dated July 8, 1993

Approval: Ecology letter (D. Jansen) to DOE-RL (J. Bauer), dated November 22, 1993

"Modification of Total Carbon and Ammonia Monitoring Requirements for the Rotary Mode Core Sampling System," Enclosure to DOE-RL letter (J. Rasmussen), number 95-PCA-291, to Ecology (J. Stohr), dated May 2, 1995

Approval: Ecology letter (J. Stohr) to DOE-RL (J. Rasmussen), dated May 11, 1995

b. **Rotary Mode Core - Sampling Three, Four and Modification to Two - Non-Radioactive**

"Toxic Air Pollutants Notice of Construction for Rotary Mode Core-Sampling Systems Three and Four and Modifications of System Two," DOE/RL-94-117, May 1995, Enclosure to DOE-RL letter (J. Rasmussen), number 95-PCA-351, to Ecology (J. Stohr), dated June 9, 1995

Approval: Ecology letter (J. Stohr) to DOE-RL (J. Rasmussen), dated June 30, 1995

"Modification of the Rotary Mode Core Sampling Air Permit," Ecology letter (R. King) to DOE-RL (J. Rasmussen)

DOE-RL Response: "Response to State of Washington Department of Ecology (Ecology) for the Modification of the Rotary Mode Core Sampling (RMCS) Air Permit," DOE-RL letter (J. Rasmussen), number 96-WSD-111, to Ecology (M. Wilson), dated June 26, 1996

Notification of Start-Up: Ecology CC:Mail Message (J. Hensley) to Distribution, dated April 30, 1998

"Toxic Air Pollutants Notice of Construction for Rotary Mode Core-Sampling Systems Three and Four and Modification of System Two," DOE/RL-94-117, Rev. 1, dated July 1998, Enclosure to DOE-RL letter (J. Rasmussen), number 98-EAP-345, to Ecology (M. Wilson), dated July 15, 1998

Approval: Ecology letter (M. Wilson) to DOE-RL (J. Rasmussen), dated September 3, 1998

**c. Rotary Mode Core-Sampling Systems Three and Four -  
Radioactive**

"Radioactive Air Emissions Program Notice of Construction for the Rotary Mode Core-Sampling Systems Three and Four," DOE/RL-94-118, dated May 1995, Enclosure to DOE-RL letter (J. Rasmussen), number 95-PCA-352, to WDOH (A. Conklin), dated June 9, 1995

Approval: WDOH letter (A. Conklin), number AIR-95-603, to DOE-RL (J. Rasmussen), dated June 30, 1995

"National Emission Standard for Hazardous Air Pollutants Application for Approval to Construct Rotary Mode Core-Sampling Systems Three and Four," DOE/RL-94-116, May 1995, Enclosure to DOE-RL letter (J. Rasmussen), number 95-PCA-350, to EPA (P. Millam), dated June 9, 1995

Approval: EPA letter (P. Millam) to DOE-RL (J. Rasmussen), dated June 11, 1995

Notification of Start-Up: DOE-RL letter (J. Rasmussen), number 95-PCA-448, to EPA (P. Millam), dated August 9, 1995

Notification of Start-Up: DOE-RL letter (J. Rasmussen), number 96-EPA-233, to EPA (J. Leitch), dated July 22, 1996

Notification of Start-Up: DOE-RL letter (J. Rasmussen), number 97-EAP-136, to EPA (J. Leitch), dated December 20, 1996

Notification of Start-Up: DOE-RL letter (J. Rasmussen), number 97-EAP-316, to EPA (J. Leitch), dated March 24, 1997

"Radioactive Air Emissions Program Notice of Construction for the Rotary Mode Core-Sampling System Three and Four," DOE/RL-94-118, Rev. 1, dated July 1997, Enclosure to DOE-RL letter (J. Rasmussen), number 97-EAP-591, to WDOH (A. Conklin), dated July 29, 1997

Approval: WDOH letter (A. Conklin), number AIR-97-901, to DOE-RL (J. Rasmussen), dated September 3, 1997

"Radioactive Air Emissions Program Notice of Construction for the Rotary Mode Core-Sampling System Three and Four," DOE/RL-94-118, Rev. 1, dated July 1997, Enclosure to DOE-RL letter (J. Rasmussen), number 97-EAP-590, to EPA (J. Leitch), dated July 29, 1997

Approval: EPA letter (A. Frankel) to DOE-RL (J. Rasmussen), dated August 4, 1997

"Additional Information Requested in the State of Washington Department of Health (WDOH) Rotary Mode Core Sampling (RMCS) Approval Letter," Enclosure to DOE-RL letter (J. Rasmussen), number 98-EAP-011, to WDOH (A. Conklin), dated January 22, 1998

Approval: WDOH letter (A. Conklin), number AIR-98-301, to DOE-RL (J. Rasmussen), dated March 6, 1998 (NOC Valid Until March 6, 2008)

d. **Rotary Mode Core-Sampling - 241-SX Tank Farms**

"Radioactive Air Emissions Notice of Construction for Rotary Mode Core Sampling in SX Tank Farm," DOE/RL-97-70, September 1997, Enclosure to DOE-RL letter (J. Rasmussen), number 97-EAP-722, to WDOH (A. Conklin), dated October 17, 1997

Approval: WDOH letter (A. Conklin), number AIR-97-1101, to DOE-RL (J. Rasmussen), dated November 13, 1997

"Radioactive Air Emissions Notice of Construction for Rotary Mode Core Sampling in SX Tank Farm," DOE/RL-97-70, September 1997, Enclosure to DOE-RL letter (J. Rasmussen), number 97-EAP-723, to EPA (J. Leitch), dated October 17, 1997

Approval: EPA letter (A. Frankel) to DOE-RL (J. Rasmussen), dated January 14, 1998

e. **241-SX-101, 241-SX-102, 241-SX-103 & 241-SX-105 Salt-Well Pumping (Short Form)**

"Radioactive Air Emissions Notice of Construction for Salt-Well Pumping Tanks 241-SX-101, 241-SX-102, 241-SX-103, and 241-SX-105," Enclosure to DOE-RL letter (S. Wisness), number 00-OSS-095, to EPA (J. Leitch), dated December 16, 1999

Approval: WDOH letter (A. Conklin), number AIR-00-108, to DOE-RL (S. Wisness), dated February 9, 2000

Approval: EPA letter (B. McAllister), dated February 18, 2000, Letter stated EPA Approval not required

f. **241-SX-104 Salt Well Pumping (Short Form)**

"Radioactive Air Emissions Short Form Notice of Construction for Salt Well Pumping Tank 241-SX-104," Enclosure to DOE-RL letter (J. Rasmussen), number 98-EAP-137, to WDOH (A. Conklin), dated March 10, 1998

Approval: WDOH Approval Sheet (A. Conklin), dated March 12, 1998

Approval: EPA letter (A. Frankel) to DOE-RL (J. Rasmussen), dated March 19, 1998

"Salt Well Pumping Tank 241-SX-104 (New Source Review)", LMHC letter (E. Mayer), number LMHC-9851777, to FDH (A. Umek), dated February 27, 1998

Approval: Ecology Approval Not Required

g. **241-SX-106 Salt Well Pumping (Short Form)**

"Radioactive Air Emissions Short Form Notice of Construction (NOC) for Saltwell Pumping of Tank 241-SX-106," Enclosure to DOE-RL letter (J. Rasmussen), number 98-EAP-375, to EPA (A. Frankel), dated July 15, 1998

Approval: WDOH Approval Sheet (R. Ascelrod), dated July 2, 1998

Approval: EPA letter (A. Frankel) to DOE-RL (J. Rasmussen), dated July 21, 1998

"New Source Review of 241-SX-106 Salt-Well Pumping," LMHC Interoffice Memo (D. Carrell), number 7B210-99-002, to Letter to File, dated May 18, 1999

Approval: Ecology Approval Not Required

h. **Light Duty Utility Arm (Inactive)**

"NESHAPS Application for Approval to Construct, for the Temporary Use of a Portable Exhauster in Conjunction with the Light Duty Utility Arm (LDUA [ETN-96-0007]) System," Enclosure to DOE-RL letter (J. Rasmussen), number 96-MSD-077, to EPA (J. Leitch), dated May 2, 1996

Approval: EPA letter (A. Frankel) to DOE-RL (J. Rasmussen), dated July 2, 1996

WDOH Routine Technical Assistance Meeting, Light Duty Utility Arm System for Use in Single-Shell and Double-Shell Tanks with an Exhauster, ETN-96-0007, dated March 12, 1996

Approval: WDOH Routine Technical Assistance Meeting Minutes, dated March 12, 1996

II. SITE WIDE WATER PERMITS

- A. Registration of Class V Underground Injection Wells, DOE/RL-88-11, Rev. 1, dated August 1995
- B. State Waste Discharge Permit Number ST 4508, Hydrotest, Maintenance, and Construction, Issuance Date, May 15, 1997, Expiration Date, May 15, 2002
- C. State Waste Discharge Permit Number 4509, Cooling Water and Condensate Discharge, Issuance Date, May 1, 1998, Expiration Date, May 1, 2003
- D. State Waste Discharge Permit Number 4510, Industrial Stormwater Discharges to Engineered Land Disposal Structures, Issuance Date, April 1, 1999, Expiration Date, April 1, 2004
- E. Onsite Sewage Systems Operating Permit, U.S. Department of Energy, Hanford Reservation, Benton Co., Permit number HAN099, permit expires on 9/30/00, issued on 9/30/99

III. Underground Petroleum Storage Tanks

- A. Registration of Hanford Site Underground Petroleum Storage Tanks (UST at 204-AR, Compliance Tag A4042, Uniform Business Identifier Number, 601319923)

IV. Dangerous Waste

A. Hanford Facility RCRA Permit

- 1. Dangerous Waste Portion of the Resource Conservation and Recovery Act (RCRA) Permit for the Treatment, Storage, and Disposal of Dangerous Waste. Permit Number WA7890008967, Expiration Dated September 27, 2004
- 2. Hazardous and Solid Waste Amendment (HSWA) issued by EPA, permit number WA7890008967, Expiration Dated September 27, 2004
- 3. Permit Modification Schedule, Attachment 27 to the Hanford Facility RCRA Permit
- 4. Hanford Facility Dangerous Waste Permit Application, General Information, DOE/RL-91-28, Rev. 4, dated May 1998

- B. RPP Part A RCRA Permits
  - 1. 204-AR Waste Unloading Station (12/22/99)
  - 2. Double-Shell Tank System (12/22/99)
  - 3. Grout Treatment Facility (12/22/99)
  - 4. Single-Shell Tank System (12/22/99)
- C. RCRA Documents
  - 1. RPP Dangerous Waste Training Plan, HNF-SD-WM-TR-026, Rev. 13, March 2000
  - 2. Tank Farms Building Emergency Plan, HNF-IP-0263-TF
  - 3. Double Shell Tank System Waste Analysis Plan, HNF-SD-WM-EV-053, Rev. 5, September 1998
- D. Closure Work Plans
  - 1. Single Shell Tank Work Plan, DOE/RL-89-16, Rev. 1, dated May 1996
- E. Closure Plans
  - 1. 2101-M Pond, Clean Closed, November 26, 1995
  - 2. 216-B-3 Pond, Clean Closed, June 27, 1995
- V. Compliance Agreements
  - A. NESHAPS Compliance Order, EPA, Docket No. 1092-01-23-112/114, February 1, 1993
  - B. Federal Facility Compliance Agreement for Radionuclide NESHAP, February 2, 1994
  - C. Interim Stabilization Consent Decree, May 1999
  - D. 241-SY - Tank Farm Compliance Inspection Settlement Agreement & Stipulated Order of Dismissal

VI. NEPA

- A. Final Environmental Impact Statement for the Tank Waste Remediation System, DOE/EIS-0189, September 1996  
  
Supplement Analysis for the Proposed Upgrades to the Tank Farm Ventilation, Instrumentation, and Electrical Systems under Project W-314 in Support of Tank Farm Restoration and Safe Operations, DOE/EIS-0189-SA1, June 1997  
  
Supplement Analysis for the Tank Waste Remediation System, DOE/EIS-0189-SA2, March 1998
- B. Record of Decision for the Tank Waste Remediation System, Hanford Site, Richland, WA. Issued by the U.S. Department of Energy in the Federal Register, 62 FR 8693, dated February 26, 1997
- C. Final Environmental Impact Statement for the Safe Interim Storage of Hanford Tank Wastes, DOE/EIS-0212, October 1995
- D. Final Hanford Comprehensive Land-Use Plan Environmental Impact Statement, DOE/EIS-0222-F, September 1999



**ATTACHMENT A**

**RPP NOTICES OF CORRECTION & NOTICES OF VIOLATION**

**WASHINGTON STATE DEPARTMENT OF HEALTH  
NOTICES OF CORRECTION & VIOLATION**

<b>WDOH LETTER#</b>	<b>SUBJECT:</b>
AIR-96-703	RECORD RETRIEVAL
AIR-99-1005 (CLOSURE LETTER) (10/18/99)	
AIR-97-402 (CLOSED) (5/30/97)	244-A LIFT STATION, HEPA, 241-SY, PROJECT W-058
AIR-97-405	T-PLANT AIR EMISSIONS*
AIR-97-614	
AIR-99-104 (CLOSURE LETTER) (1/13/99)	
AIR-97-704	241-T & 241-U TANK FARMS, AND 213-W WASTE
AIR-97-703	COMPACTOR (296-W-3)
AIR-97-606 (CLOSED) (7/30/97)	
AIR-97-1015	296-T-18 (244-TX DCRT)
AIR-98-303 (CLOSURE LETTER) (3/12/98)	
AIR-97-1109	296-A-42 (241-AY/AZ), 296-A-12 (244-AR VESSEL
AIR-98-402	VENT SYSTEM), 327-02-V (327 BUILDING DECON
AIR-99-403	STACK), 291-A-1 (PUREX), 296-S-22 (244-S DCRT),
AIR-99-715 (CLOSURE LETTER) (7/28/99)	291-2-1 (PFP)
AIR-97-1201	PORTABLE/TEMPORARY RADIOACTIVE AIR EMISSION*
AIR-98-404 (CLOSURE LETTER) (4/17/98)	UNITS (PTRAEU)
AIR-98-403	296-A-25 (244-A LIFT STATION), 296-S-22 (244-S
AIR-98-502	(DCRT), 296-P-16 (241-C-105/106), 296-S-15
AIR-98-702	296-B-28, 296-U-11, 296-T-18
AIR-98-1106	
AIR-99-707 (CLOSURE LETTER) (7/9/99)	CLOSES ISSUES IN AIR-98-502
AIR-99-913 (CLOSURE LETTER) (9/23/99)	CLOSES ALL OTHER ISSUES
AIR-98-501	324 TRITIUM RELEASE (NOTICE OF VIOLATION)*
AIR-98-706	
AIR-98-709 (NOV)	

AIR-98-707	296-A-42
AIR-99-105 (CLOSURE LETTER) (NOV) (1/13/99)	
AIR-98-805	241-AP TANK FARM
AIR-98-1108 (CLOSURE LETTER) (11/13/98)	
AIR-98-1206	241-ER-152 DIVERSION BOX DIDN'T MEET ALARACT
AIR-99-204	
AIR-99-205	
AIR-99-504 (CLOSURE LETTER) (5/11/99)	
AIR-98-1216	PTREAU & HEPA VACUUM NOTICES OF CONSTRUCTION*
AIR-99-110	296-T-18 (244-TX DCRT)
AIR-99-502 (CLOSURE LETTER) (5/11/99)	
AIR-99-301	296-C-5 (244-CR VAULT)
AIR-99-901	
AIR-99-508	296-A-17 & 296-P-26 (241-AY & 241-AZ TANK FARMS)
AIR-99-1001 (CLOSURE LETTER) (10/1/99)	
AIR-00-311 (NOV)	244-AR VAULT

**WASHINGTON STATE DEPARTMENT OF ECOLOGY NOTICES OF CORRECTION**

WDOE (ECOLOGY) LETTER	244-A DCRT (A-350 CATCH TANK) (SEPT. 23, 1996)
WDOE (ECOLOGY) LETTER	CLOSURE (JUNE 27, 1997)
WDOE (ECOLOGY) LETTER	241-SY TANK FARMS (JULY 8, 1998)
WDOE (ECOLOGY) LETTER	241-SX-104 TANK (NOVEMBER 16, 1998)
WDOE (ECOLOGY) LETTER	CLOSURE (MAY 17, 1999)
WDOE (ECOLOGY) LETTER	1998 LAND DISPOSAL RESTRICTIONS (JUNE 3, 1999)* (INSPECTION CONDUCTED SEPTEMBER 29, 1998)
WDOE (ECOLOGY LETTER)	90-DAY SAA (SEPTEMBER 16, 1999)*
WDOE (ECOLOGY LETTER)	M-32 DST INTEGRITY ASSESSMENT INSPECTION (MARCH 30, 2000) (INSPECTION CONDUCTED OCTOBER 1999 - JANUARY 2000)

\* SITE-WIDE ISSUE