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Hanford Site Air Operating Permit Renewal Application, Operating Summary Covering the Period July 2, 2001 Through December 31, 2004

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Fluor Hanford

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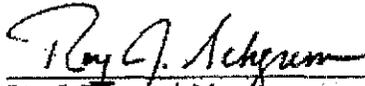
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**Certification for
Hanford Site Air Operating Permit Number 00-05-006
Permit Renewal Application
Covering the Period July 1, 2001, through December 31, 2004**

Certification:

In accordance with WAC 173-401-200(29)(c) as the responsible official, I certify, pursuant to WAC 173-401-520, that, based on information and belief formed after reasonable inquiry, the statements and information provided in this Renewal Application are true, accurate, and complete.

	3/24/05		4/14/05
Roy J. Stephens ¹ , Manager U.S. Department of Energy Office of River Protection	Date	Keith A. Klein ² , Manager U.S. Department of Energy Richland Operations Office	Date

¹For emission units under control of the U.S. Department of Energy, Office of River Protection.

²For emission units under control of the U.S. Department of Energy, Richland Operations Office.

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ACRONYMS

AA	administrative amendment
ALARACT	as low as reasonably achievable control technology
AOP	Air Operating Permit
BCAA	Benton Clean Air Authority
bldg	building
CAA	<i>Clean Air Act of 1990 and Amendments</i>
CBP	Concrete Batch Plant
CERCLA	<i>Comprehensive Environmental Response, Compensation, and Liability Act of 1980</i>
CFR	Code of Federal Regulations
CH2M	CH2M HILL Hanford Group, Inc.
CNRR	change not requiring a permit revision
CSB	Canister Storage Building
CWC	Central Waste Complex
CY	calendar year
D&F	diffuse and fugitive
DAC	derived air concentration
DCRT	double-contained receiver tank
DOE	U.S. Department of Energy
DOE-ORP	U.S. Department of Energy, Office of River Protection
DOE-RL	U.S. Department of Energy, Richland Operations Office
DST	double-shell tank
Ecology	Washington State Department of Ecology
EMSL	Environmental Molecular Sciences Laboratory
EPA	U.S. Environmental Protection Agency
ETF	200 Area Effluent Treatment Facility
FFTF	Fast Flux Test Facility
FR	Federal Register
HEPA	high-efficiency particulate air
HLW	high-level waste
IEU	insignificant emission unit
ISA	Interim Storage Area
LAW	low-activity waste
LERF	Liquid Effluent Retention Facility
MACT	maximum achievable control technology
MASF	Maintenance and Storage Facility
MM	minor modification

ACRONYMS (cont)

NA	not applicable
NESHAP	National Emission Standards for Hazardous Air Pollutants
NOC	notice of construction
OPC	off-permit change
PFP	Plutonium Finishing Plant
PN	Pacific Nuclear
PTRAEU	portable temporary radioactive air emission unit
PUREX	Plutonium-Uranium Extraction (Plant)
RACT	reasonably available control technology
REDOX	reduction and oxidation
SALDS	State Approved Land Disposal Structure
SM	significant modification
SST	single-shell tank
TRUSAF	Transuranic Storage and Assay Facility
WAC	Washington Administrative Code
WDOH	Washington State Department of Health
WESF	Waste Encapsulation Storage Facility
WRAP	Waste Receiving and Processing Facility
WSCF	Waste Sampling and Characterization Facility
WTP	Waste Treatment Plant

**HANFORD SITE AIR OPERATING PERMIT RENEWAL APPLICATION,
OPERATING SUMMARY COVERING THE PERIOD
JULY 2, 2001 THROUGH DECEMBER 31, 2004**

1.0 INTRODUCTION

The Hanford Site Air Operating Permit (AOP), permit number 00-05-006, was issued on June 20, 2001, to U.S. Department of Energy, Hanford Operations, with an effective date of July 2, 2001. In accordance with Washington Administrative Code (WAC) 173-401-610, the AOP expires July 1, 2006, 5 years after the effective date.

In the issuance letter (Ecology 2001a) dated June 18, 2001, the Washington State Department of Ecology (Ecology) requested a complete AOP renewal application be submitted in January 2005, approximately 18 months before expiration of the AOP. Based on experience and knowledge of current AOP processes, on July 1, 2004 Ecology extended renewal application submittal date to April 2005 (Ecology 2004c).

This renewal application contains information required by AOP Section 4.1, as amended October 2003, and WAC 246-247-060(9) for July 2, 2001, the effective date of the AOP, through December 31, 2004.

Information in the AOP application must be supplemented up to a point before release of the *draft permit* [WAC 173-401-500(6)]. The *draft permit* is defined by WAC 173-401-200(10) as "...the version of a permit for which the permitting authority offers public participation or affected state review". Supplemental renewal application information is scheduled to be submitted in conjunction with the AOP semiannual report for the period January 1, 2005, through June 30, 2005. This AOP semiannual report is due to the agencies September 15, 2005. Ecology does not anticipate additional renewal application supplements will be necessary.

This renewal application was prepared in accordance with the Code of Federal Regulations (CFR), Title 10, Part 830.120, "Quality Assurance"; U.S. Department of Energy (DOE) Order 414.1B, "Quality Assurance"; NQA-1, "Quality Assurance Requirements for Nuclear Facility Application"; EPA QA/R-2, "EPA Requirements for Quality Management Plans"; and EPA QA/R-5, "Requirements for Quality Assurance Project Plans".

1.1 PURPOSE AND PROCESS

The purpose of an AOP renewal application is to inform affected regulatory agencies and the public of those changes that occurred over the term of the AOP that need to be included in the revised AOP. A revised AOP is scheduled to be issued on or before expiration of the current AOP.

The AOP process is cyclical, with each cycle building on its predecessor. It is intended that a new AOP be issued when the old one expires, thus enabling continuous permitted operation.

For the Hanford Site, this process began with filing of the original AOP application (DOE/RL-95-07), and required supplemental information (DOE/RL-95-07, Supplement 1). The current AOP was issued following review by the public, Tribes, affected states, and the EPA (U.S. Environmental Protection Agency) with an effective date of July 2, 2001. The AOP expires July 1, 2006.

This AOP renewal application starts the process anew, building on information and lessons learned from the previous cycle.

1.2 OVERVIEW OF AOP RENEWAL APPLICATION REQUIREMENTS

Section 4.1 of the AOP, as amended October 2003, requires renewal application include the following:

1. Current AOP number
2. Description of AOP revisions¹ and off-permit changes occurring during permit term
3. Any applicable requirements promulgated and not incorporated in AOP during the permit term [e.g., 40 CFR 61, Subpart H amendments, of September 9, 2002, 40 CFR 63, maximum achievable control technology (MACT) standards for boiler, reciprocating internal combustion engines, etc.].

AOP revisions and off-permit changes required by Item #2 include all issued:

1. Minor modifications
2. Administrative amendments
3. Significant modifications
4. Active off-permit changes.

Plus, any changes not requiring a permit revision (WAC 173-401-722).

Note: Those administrative amendments incorporated into Washington State Department of Health (WDOH) -issued notice of construction (NOC) approvals are not listed separately. These approvals were added either to the AOP through one of the modification processes, will be added through the AOP renewal process, or were superseded or closed during the term of the permit.

Three additional AOP renewal application requirements are contained in WAC 246-247-060(9). These requirements pertain only to emission units regulated by WAC 246-247. WAC 246-247-060(9) requirements are as follows:

1. Summary of the operational status of all emission units regulated by WAC 246-247 (i.e., all emission units in AOP Attachment 2, legacy sources, and newly approved emission units not yet in AOP Attachment 2)
2. Status of facility compliance with WAC 246-247-040 standards
3. Status of any corrective actions. Corrective actions consist of active notices of correction and active notices of violation issued between July 2, 2001, AOP effective date, and December 31, 2004.

¹ WAC 173-401-200 (22) "Permit revision" means any permit modification or administrative permit amendment.

2.0 AOP RENEWAL APPLICATION REQUIREMENTS

AOP renewal application requirements appear in the following sections.

2.1 CURRENT AOP NUMBER

Current AOP number is 00-05-006.

2.2 AOP REVISIONS AND OFF-PERMIT CHANGES

Table 2-1A contains all AOP revisions (i.e., significant modifications, minor modifications, and administrative amendments), except those for tank farms, resulting in a physical change to the AOP July 2, 2001 through December 31, 2004, plus all changes not requiring a permit revision and those still-active off-permit changes that occurred during the same period. Off-permit changes closed or superseded during the term of the permit are not included. Also not included are those off-permit changes and minor modifications lacking a complete off-permit change or minor modification application [WAC 173-401-724(6) and WAC 173-401-725(2)(b)] as of December 31, 2004.

Table 2-1B lists the tank farms revisions and off-permit changes, plus all changes not requiring a permit revision, to the AOP that occurred during the permit term.

Issuance of AOP Revision H is pending. This revision likely will include the following:

1. Update of AOP Attachment 2 NOC approvals (Ecology 2004d)
2. Update of AOP Attachment 2 Table 2.1 "*Requirements for minor passively ventilated vents in high level waste tank farms*" (Ecology 2004e)
3. Addition of Table 2.2 for passively ventilated legacy emission units to AOP Attachment 2 (Ecology 2004e)
4. Replacement pages updating AOP Attachment 1 conditions for Tank 241-C-106 enhanced sluicing and retrieval operations (page ATT 1-27) (Ecology 2004e)
5. Addition of administrative amendment to AOP Attachment 1, page ATT 1-71 (04-ED-109)

When issued, AOP Revision H will remove the Environmental Molecular Sciences Laboratory (EMSL) from AOP Attachment 1 (Ecology 2004f). Also pending is a significant modification to downgrade 340-NT-EX to a minor emission unit.

Contained in the update of AOP Attachment 2 NOC approvals are those AOP administrative amendments deemed appropriate by WDOH.

The following complete AOP minor modification application was filed, but was not issued:

Requesting letter 03-ED-179. WDOH response letter AJR 04-109 dated 01/23/04.

Table 2-1A. AOP Revisions and Off-Permit Changes that Occurred During Permit Term.

Type ¹	Agency Issuance Letter	Letter Date	Description ²	Comment
AA	Ecology 2002c	08/09/02	<p>Added PN Services to list of excluded facilities.</p> <p>Changed BCAA mailing address to 114 Columbia Point Drive, Suite C, Richland, Washington.</p> <p>Changed date for submittal of semiannual reports from August 15 to September 15.</p> <p>Clarified annual compliance certification language in Section 4.3.4.</p> <p>Deleted Section 4.7 <i>Off-Permit Changes</i> and Section 4.8 <i>Changes Not Requiring a Permit Revision</i> and renumbered remaining sections accordingly.</p> <p>Clarified insignificant emission unit (IEU) text.</p> <p>Added 400 Area FTF preheater diesel engines.</p> <p>In Table 1.2 of Section 1.3, "General Standards for Maximum Emissions", added footnote to fugitive emissions and fugitive dust monitoring requirement to clarify that these requirements do not apply to emissions that pass through a stack. A copy of Table 1.2 with the text changes is provided. Also changed RACT monitoring requirement to clarify applicable permit conditions and corrected typographical error.</p> <p>Added two WAC citations to Attachment I, Table 1.7.</p> <p>Clarified Tier 2 and Tier 3 opacity monitoring.</p> <p>Clarified opacity and SO₂ monitoring in Table 1.7 and visible emission survey in Section 2.1 (Ecology 2001b).</p> <p>Clarified condition 2 of AIR 95-903 (324 Building, B-Cell) (Ecology 2001b).</p> <p>Changed portions of Ecology Statement of Basis.</p>	Issued as part of Revision B.
AA	Ecology 2004a	03/31/04	<p>Corrected semiannual report section reference number, corrected typographical errors, corrected page numbers, corrected references, and reformatted tables.</p>	Issued as part of Revision F.

Table 2-1A. AOP Revisions and Off-Permit Changes that Occurred During Permit Term.

Type	Agency Issuance Letter	Letter Date	Description ²	Comment
AA	Ecology 2004a	03/31/04	Added DE02NWP-002, non-radioactive air NOC approval, for River Protection Project-Waste Treatment Plant.	Issued as part of Revision F.
CNRR	NA	NA	Modified annual possession quantity at 305B Building.	Requested by letter 03-RCA-0011, 10/18/02.
CNRR	NA	NA	Reduced one backup fan for Emission Point 291-A-1.	Requested by letter 03-RCA-0014, 10/18/02.
MM	Ecology 2002b	06/11/02	Added 23 WDOH NOC approvals through Group Processing of Minor Modifications.	Issued as Revision A. As of 12/31/04, one NOC approval remains active, AIR 01-1206.
MM	Ecology 2002e	12/31/02	Added 9 WDOH NOC approvals through Group Processing of Minor Modifications.	Issued as Revision D. As of 12/31/04, five NOC approvals remained active: AIR 02-302, AIR 02-309, AIR 02-703, AIR 02-704, and AIR 02-710.
MM	Ecology 2004a	03/31/04	Modified Ecology NOC approval (NOC 94-08) for EMSL. New conditions added to AOP as DE03NWP-003.	Issued as part of Revision F. Obsolete as of 12/31/04.
MM	Ecology 2004b	05/28/04	Added modification to a WTP NOC approval. New conditions added to AOP as DE02NWP-002, Rev. 1.	Issued as Revision G.
SM	Ecology 2002c	08/09/02	<p>Added Sunsetting language as Section 4.16 of the General Conditions to clarify monitoring and associated recordkeeping requirements for emission units that are not operating.</p> <p>Changed Section 4.3.3 (5) to remove the requirement to send the NOC approvals back to the regulatory agencies.</p> <p>Deleted Section 4.3.3 (6) as EPA approvals are not tracked in the AOP.</p> <p>Corrected typographical error by changing "3 days" to "30 days" in the second sentence of Section 2.2, page 1-46.</p> <p>Changed the visible emission surveys monitoring requirements in Table 1.7, "Miscellaneous Emission Units", page 1-45, as the identified emission units are extremely unlikely sources of visible emissions and no visible emissions were observed during the numerous visible emission surveys completed during the compliance period.</p>	Issued as part of Revision B.
SM	Ecology 2002d	11/15/02	Changed good combustion practice conditions contained in AOP Attachment 1, Table 1.3, page 1-16.	Issued as Revision C.
SM	Ecology 2004a	03/31/04	Modified AOP Attachment 1, "Standard Terms and Conditions", and "Ecology Statement of Basis".	Issued as part of Revision F.

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Table 2-1A. AOP Revisions and Off-Permit Changes that Occurred During Permit Term.

Type ¹	Agency Issuance Letter	Letter Date	Description ²	Comment
OPC	Ecology 2004a	03/31/04	Added non-radioactive air NOC approval DE01NWP-003 (08/21/01) for Concrete Batch Plant (CBP) and Excavation Activities (AIR 01-709).	Issued as part of Revision F. AIR 01-709 replaced by AIR 02-1014 before 12/31/04.
OPC	Ecology 2004a	03/31/04	Added non-radioactive air NOC approval DE02NWP-001 (01/15/02) standby diesel generator.	Issued as part of Revision F.
OPC	AIR 04-1209	12/28/04	Radioactive Air Emissions NOC Approval for Deactivation of the PFP Complex.	Active, not in AOP.
OPC	AIR 04-809	08/17/04	Radioactive Air Emissions NOC For Transition of the 232Z Contaminated Waste Recovery Process Facility at PFP, 200W Area.	Active, not in AOP. 232Z and its stack, 296-Z-14, are now regulated under CERCLA (FH-0500283). These are being removed from the AOP.
OPC	AIR 04-407	04/20/04	Radioactive Air Emission NOC for Chemical Sciences Laboratory (329 Building).	Active, not in AOP ³ .
OPC	DE04NWP-001	03/30/04	New Source Review NOC Approval for Construction or Modification of a Stationary Source; Criteria/Toxic Air Pollutant Emissions Associated with Deactivation of the PFP Complex.	Active, not in AOP.
OPC	AIR 03-1206	12/09/03	Radioactive Air Emission NOC for the Transuranic Waste Retrieval Project, Revision 2A.	Active, not in AOP ³ . Replaced AIR 02-103.
OPC	AIR 03-1204	12/09/03	Radioactive Air Emission NOC for Installation of Single Stage HEPA Filter for the Calibration and Development Activities in the Radiological Calibrations Laboratory (318 Building).	Active, not in AOP ³ . Requested by letter 02-RCA-0571, 09/16/02.
OPC	DE03NWP-004	12/01/03	Nonrad NOC for Alternative Fuel Dispensing Aboveground Storage Tank at 200 Areas Fuel Station.	Active, not in AOP ³ .
OPC	AIR 03-1109	11/21/03	Radioactive Air Emissions NOC for Transition of the 241Z Liquid Waste Treatment Facility at the PFP 200W Area Hanford Site, Richland.	Active, not in AOP ³ .
OPC	AIR 03-1101	11/04/03	Tank Farm Restoration and Safe Operation Project W-314 and 244-CR Facility Stabilization.	Active, not in AOP ³ . Replaced AIR 02-1227.
OPC	AIR 03-1015	10/23/03	Radioactive Air Emissions NOC for Construction of WTP Pretreatment Plant.	Active, not in AOP ³ .
OPC	AIR 03-1014	10/23/03	Radioactive Air Emissions NOC for Construction of WTP LAW Vitrification Plant.	Active, not in AOP ³ .
OPC	AIR 03-1013	10/23/03	Radioactive Air Emissions NOC for Construction of WTP Laboratory.	Active, not in AOP ³ .
OPC	AIR 03-1012	10/23/03	Radioactive Air Emissions NOC for Construction of WTP HLW Vitrification Plant.	Active, not in AOP ³ .
OPC	AIR 02-1225	12/20/02	Radioactive Air Emissions NOC for 300 Area Excavation Activities (300 Area Diffuse/Fugitive).	Active, not in AOP ³ .
OPC	AIR 02-1202	12/03/02	Radioactive Air Emissions NOC for Operation of the Dangerous and Radioactive Mixed Waste Storage Facility (305B).	Active, not in AOP ³ .

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Table 2-1A. AOP Revisions and Off-Permit Changes that Occurred During Permit Term.

Type ¹	Agency Issuance Letter	Letter Date	Description ²	Comment
OPC	AIR 02-1101	11/26/02	Radioactive Air Emissions NOC for Construction and Operation of the Sodium Storage Facility (Emission Unit FFTF-402-1).	Active, not in AOP ³ .
OPC	AIR 02-1014	10/24/02	Revised Excavation Activities for the Building of Temporary Construction Facilities and the Main Facilities for the River Protection Project-Waste Treatment Plant.	Active, not in AOP ³ . Replaced AIR 01-709.
OPC	AIR 02-810	08/26/02	Radioactive Air Emissions NOC for Stabilization of Two Concrete Boxes Containing Ion Exchange Columns in 183-KW Vault.	Active, not in AOP ³ .
OPC	AIR 02-514	05/31/02	Radioactive Air Emissions NOC for Roof Replacement Activities Involving Radioactive Contamination at Facilities on the Central Plateau.	Active, not in AOP ³ .
OPC	AIR 02-509	05/22/02	Radioactive Air Emissions NOC for Exhaust Fan Replacement at the 291-T-1 Stack.	Active, not in AOP ³ .
OPC	AIR 01-1010	10/16/01	Radioactive Air Emissions NOC for T Plant Complex Fuel Removal Project.	Active, not in AOP ³ .
OPC	AIR 01-607	06/11/01	Radioactive Air Emissions NOC for Research at the 326 Facility.	Active, not in AOP ³ .

1. Refer to WAC 173-401-720 through 725 for detail descriptions.

2. For additional detail refer to the agency issuing letter.

3. Included in AOP Revision H, which was not issued on or before December 31, 2004.

Key: AA - administrative amendment
MM - minor modification
SM - significant modification
OPC - off-permit change
CNRR - change not requiring a permit revision.

Table 2-1B. Tank Farms AOP Revisions and Off-Permit Changes that Occurred During the Permit Term.

Type	Letter	Letter Date	Description	Comment
Significant modification	State of Washington Department of Ecology (Ecology) notification letter	August 25, 2004	<p>"This submittal contains two files on CD. The first file is a list of changes, records, and references. The second file includes entire replacement pages for Attachment 2 of AOP. Because of the extensive nature of the revision, this modification is being processed as a significant modification, and is being reviewed and issued as such."</p> <p>The following list consists of WDOH NOC licenses that will replace Attachment 2 of the AOP and is based on public comments and revisions pending on the final issuance of the significant modification:</p> <ul style="list-style-type: none"> ▪ Minor modification, September 30, 2004, "Enclosure 1 is the revised page (ATT 1-27) for replacement. Specific changes and approval are documented in Enclosure 2, Hanford Facility Notice of Construction Revision Request and Approval Order. Also included for review is Enclosure 3, the revised Table 2-1 of Attachment 2 of the Hanford AOP. This table updates all minor radioactive passively ventilated vents." ▪ Changes not requiring a revision AIR 03-203, February 7, 2003, "Installation of Breather Filter on Tank 241-C-106." ▪ Off-permit change AIR 01-805 issued by WDOH as approved NOC license, August 22, 2001. ▪ Off-permit change AIR 03-1102 	<p>The NOC approvals listed cover operations under CH2M HILL contract with Department of Energy – Office of River Protection (DOE-ORP), which are part of the significant modification.</p> <p>Changes not requiring a revision AIR 03-203 for 241-C-106 included the changing of the 241-C-106, 241-C-104, and 241-C-105 to passively vented tanks. Refer to off-permit change (CHG-0204274 [02-EMD-173]).</p> <p>The off-permit changes listed in the description are not listed elsewhere in Table 2-1 because the significant modification should issue them as part of the new AOP, Attachment 2.</p> <p>This significant modification contains WDOH NOC approvals issued as of September 17, 2004, that have been issued over the permit term and will be incorporated into the AOP as the WDOH Radioactive Air Emissions License before the renewed AOP is issued.</p> <p>The significant modification has completed an extended public comment period as well as a revision that changed which WDOH NOC approvals were to be included in the significant modification. The revised significant modification includes newly identified WDOH NOC approvals and incorporates the minor modification dated September 30, 2004.</p> <p>If the significant modification is not issued then the processing of the off-permit changes, administrative amendments, minor modifications, and</p>

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Table 2-1B. Tank Farms AOP Revisions and Off-Permit Changes that Occurred During the Permit Term.

Type	Letter	Letter Date	Description	Comment
			<p>issued by WDOH as approved NOC license, November 10, 2003.</p> <ul style="list-style-type: none"> • Off-permit change AIR 02-1255 issued by WDOH as approved NOC license, December 31, 2002. • Off-permit change AIR 04-406 issued by WDOH as approved NOC license, March 31, 2004. • Off-permit change AIR 04-213 issued by WDOH as approved NOC license, February 26, 2003. • Off-permit change AIR 03-1101 issued by WDOH as approved NOC license, November 3, 2003. • Off-permit change AIR 03-602 issued by WDOH as approved NOC license, June 3, 2003. • Off-permit change AIR 03-712 issued by WDOH as approved NOC license, August 1, 2003. • Off-permit change AIR 04-503 issued by WDOH as approved NOC license, May 17, 2004. • Off-permit change AIR 03-502 issued by WDOH as approved NOC license, May 23, 2003. • Off-permit change AIR 03-611 issued by WDOH as approved NOC license, June 26, 2003. • Off-permit change AIR 04-401 issued by WDOH as approved NOC license, April 5, 2004. • Off-permit change AIR 04-306 issued by WDOH as approved NOC license, March 10, 2004. • Off-permit change AIR 02-1239 issued by WDOH as approved NOC license, January 30, 2003. • Off-permit change AIR 04-904 	<p>changes not requiring a revision should be completed to include these documents in the renewed AOP as the WDOH Radioactive Air Emissions License.</p>

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Table 2-1B, Tank Farms AOP Revisions and Off-Permit Changes that Occurred During the Permit Term.

Type	Letter	Letter Date	Description	Comment
			<p>issued by WDOH as approved NOC license, September 17, 2004.</p> <ul style="list-style-type: none"> • Off-permit change AIR 02-503 issued by WDOH as approved NOC license, May 9, 2002. • Off-permit change AIR 02-1235 issued by WDOH as approved NOC license, January 30, 2003. • Off-permit change AIR 04-206 issued by WDOH as approved NOC license, February 18, 2004. • Off-permit change AIR 03-1105 issued by WDOH as approved NOC license, November 14, 2003. • Off-permit change AIR 03-1104 issued by WDOH as approved NOC license, November 14, 2003. • Off-permit change AIR 04-812 issued by WDOH as approved NOC license, August 12, 2004. • Administrative amendment AIR 02-1211 issued by WDOH as approved NOC license, December 13, 2002. • Minor modification AIR 02-1237 issued by WDOH as approved NOC license, December 31, 2002. • Minor modification AIR 02-1248 issued by WDOH as approved NOC license, December 31, 2002. • Off-permit change AIR 02-1020 issued by WDOH as approved NOC license, October 25, 2002. • Minor modification AIR 02-1238 issued by WDOH as approved NOC license, December 31, 2002. 	

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Table 2-1B. Tank Farms AOP Revisions and Off-Permit Changes that Occurred During the Permit Term.

Type	Letter	Letter Date	Description	Comment
			<ul style="list-style-type: none"> • Minor modification AIR 02-1251 issued by WDOH as approved NOC license, December 31, 2002. • Minor modification AIR 02-1252 issued by WDOH as approved NOC license, December 31, 2002. • Minor modification AIR 02-1232 issued by WDOH as approved NOC license, December 31, 2002. 	
Significant modification	Ecology notification letter	December 8, 2003	"This submittal contains a request to downgrade Stack 200E P-244A-001 (296-A-25) from a major point source to a minor point source."	<p>The significant modification is pending final approval as well as the completion of the modification process. Currently, the major emission point (296-A-25) has been closed by AIR 04-807, dated August 6, 2004.</p> <p>A minor point source has been installed in its place and is now referred to as P-244A-001, and is part of the revised Table 2-1 of Attachment 2 of the AOP listed in the minor modification dated September 30, 2004, which is part of the significant modification dated August 25, 2004.</p> <p>This significant modification could be recalled, based on the assumption that the changes requested are incorporated into the AOP by the significant modification dated August 25, 2004. If the assumption is wrong, finalize the processing of this significant modification.</p>

Table 2-1B. Tank Farms AOP Revisions and Off-Permit Changes that Occurred During the Permit Term.

Type	Letter	Letter Date	Description	Comment
Significant modification	Ecology notification letter	November 17, 2003	<p>"This submittal contains three enclosures: Enclosure 1 documents two minor modifications; Enclosure 2 includes a list of change records and references; Enclosure 3 has the instructions and the entire replacement pages, including Standard Terms and Conditions, Attachment 1 and Ecology Statement of Basis."</p> <ul style="list-style-type: none"> Minor modification 02-ED-043, January 13, 2003, "Transmittal of Criteria/Toxic Air Emissions Notice of Construction Revisions Form for the Tank 241-C-106 Enhanced Sluicing and Retrieval Operations." Off-permit change DE03NWP-001, March 17, 2003, "Notice of Construction Approval Order No. DE03NWP-001 for the Non-Radioactive Air Emissions Notice of Construction and Operation of the 241-S-102, 241-S-112, 241-U-107 Waste Retrieval Systems." 	The minor modification was for activities at tank farms and Attachment 1 of the AOP lists conditions and limitations for emission units regulated by Ecology for tank farm activities. The significant modification was issued March 31, 2004.
	Ecology issuance letter	March 31, 2004		
Significant modification	Ecology notification letter	Unknown	<p>"Enclosure 1 provides affected pages (significant modifications, administrative amendments, and off-permit changes) which are to be placed or inserted into the AOP. Enclosure 2 provides the Department of Energy's (DOE) application document and supporting materials."</p> <ul style="list-style-type: none"> 200 W-PORTEX-023, Emission Unit ID: 479. 200E P-244AR-002, Emission Unit ID: 211. 200W P-213W-001, Emission Unit ID: 308. 	<p>The emission units were requested to be removed from the AOP.</p> <p>200 W PORTEX 023 is an emission unit; however, the NOC approval listed in the AOP as NOC ID 336 was requested to be closed and was closed by AJR 02-1005, dated October 10, 2002.</p> <p>200E P-244AR-002 was requested to be closed on October 15, 2002. Request was signed by WDOH; however, no report of closure has been received.</p> <p>200W P-213W-001 is still an emission</p>
	Ecology issuance letter	August 9, 2002		

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Table 2-1B. Tank Farms AOP Revisions and Off-Permit Changes that Occurred During the Permit Term.

Type	Letter	Letter Date	Description	Comment
				unit listed in the AOP, and will remain that way until a request and report of closure is processed with WDOH. The closure and AOP modification process should be evaluated and completed as necessary before the renewed AOP is issued.
Minor modification	02-ED-043 request letter	January 13, 2003	"Transmittal of Criteria/Toxics Air Emissions Notice of Construction Revision Form for the Tank 241-C-106 Enhanced Sluicing and Retrieval Operation."	The two Ecology revision forms listed in the notification for this minor modification from Ecology were submitted under the Hanford AOP minor modification 02-ED-043.
	Ecology notification letter	September 30, 2004	"Enclosure 1 is the revised page (ATT 1-27) for replacement. Specific changes and approval are documented in Enclosure 2, Hanford Facility Notice of Construction Revision Request and Approval Order. Also included for review is Enclosure 3, the revised Table 2-1 of Attachment 2 of the Hanford AOP. This table updates all minor radioactive passively ventilated vents."	The purpose of these two separate minor modifications was to change the original AOP attachment page 1-26 to page ATT 1-27, which was issued on March 31, 2004. Please note that the minor modification dated September 30, 2004, does nothing more than incorporate previously requested changes to condition 1 and condition 2 listed in the AOP for discharge point C-106 Sluicing. These minor modifications could be recalled, based on the assumption that the changes requested are incorporated into the AOP by the significant modification dated August 25, 2004. If the assumption is wrong, then finalize the processing of this significant modification.
Minor modification	03-ED-037 request letter	March 11, 2003	"Notice of Construction (NOC) Revision and Modification Request Form for Tank Farm Emission Unit 244-A Lift Station	Off-permit change AIR 03-1104 pending incorporation into the AOP by the significant modification dated August 25, 2004.
	AIR 03-1104	November 14, 2003	200E P-244A-001 (296-A-25) and 241-ER-152." "The NOC Application Revision Form for Tank Farm Waste Transfer	This minor modification should be recalled if the significant modification dated August 25, 2004, is issued; otherwise proceed with the request to

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Table 2-1B. Tank Farms AOP Revisions and Off-Permit Changes that Occurred During the Permit Term.

Type	Letter	Letter Date	Description	Comment
			Pits 241-ER-152 and 244-A Lift Station approved on November 14, 2003." • AIR 03-1104.	process this minor modification.
Minor modification	03-ED-015 requesting letter AIR 03-1105	January 30, 2003 November 14, 2003	"Transmittal of Notice of Construction (NOC) Applications/Permit, Revisions 1, a Hanford Site Air Operating Permit (AOP) Minor Modification Request Form, and Notification of Permit Modification Request to the U.S. Environmental Protection Agency (EPA), Region 10, The Tribes, and Affected States for Tank Farm Air Emission Unit 200E P-206AP-001." "The NOC Application Revision Form for Installation and Operation of Waste Retrieval System in Tanks 241-AP-102 and 241-AP-104, approved on November 14, 2003." • AIR 03-1105.	Note: The title of the transmittal letter has an error; 200E P-206AP-001 should read 200E P-296AP-001. Off-permit change AIR 03-1105 pending incorporation into the AOP by the significant modification dated August 25, 2004. This minor modification should be recalled if the significant modification dated August 25, 2004, is issued; otherwise proceed with the request to process this minor modification.
Minor modification	03-ED-003 request letter	January 13, 2003	"Transmittal of a Hanford Site Air Operating Permit (AOP) Minor Modification Request, and Notification of permit Modification Request to the U.S. Environmental Protection Agency, Region 10, the Tribes, and Affected States, for Two Tank Farm Air Emission Units." • AIR 02-901 • AIR 00-206.	This minor modification requested incorporation of AIR 02-901, NOC ID 435, and AIR 00-206, NOC ID 424. AIR 02-901 was obsolete by off-permit change AIR 02-1227, dated December 31, 2002. AIR 00-206 was obsolete by off-permit change AIR 02-1255, which is in the significant modification dated August 25, 2004. Several off-permit changes and NOC license revisions have been issued and the minor modification should be canceled.

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Table 2-1B. Tank Farms AOP Revisions and Off-Permit Changes that Occurred During the Permit Term.

Type	Letter	Letter Date	Description	Comment				
Minor modification	Ecology notification letter	December 24, 2002	<p>“Per Washington Administrative Code (WAC) 173-401-725, the Washington State Department of Ecology (Ecology) is providing a notification of a request for a minor modification and an opportunity to review the draft minor modification to the Hanford Site Title V Air Operating Permit (AOP).”</p> <p>“The Washington State Department of Ecology (Ecology) formally issued the attached minor modification to the Hanford Site AOP as Revision E. The revision involves the inclusion of specific modifications to the pumping and sluicing on the Single-Shell Tank 241-C-106.”</p> <ul style="list-style-type: none"> ▪ AIR 02-1107. 	<p>AIR 02-1107 was obsoleted by off-permit change AIR 03-1102, which is in the significant modification dated August 25, 2004.</p> <p>This minor modification and associated NOC approval AIR 02-1107 should be removed from the AOP.</p>				
	Ecology issuance letter	February 6, 2003			Minor modification	Ecology notification letter	Unknown	<p>“This group processing of minor modifications consist of twenty-three approved Notice of Construction (NOCs) issued by the Washington State Department of Health under Washington Administrative Code (WAC) 246-247.”</p> <ul style="list-style-type: none"> ▪ AIR 01-606 ▪ AIR 01-1017 ▪ AIR 01-1108 ▪ AIR 02-211.
Minor modification	Ecology notification letter	Unknown	<p>“This group processing of minor modifications consist of twenty-three approved Notice of Construction (NOCs) issued by the Washington State Department of Health under Washington Administrative Code (WAC) 246-247.”</p> <ul style="list-style-type: none"> ▪ AIR 01-606 ▪ AIR 01-1017 ▪ AIR 01-1108 ▪ AIR 02-211. 	<p>This included minor modification 02-RCA-085 and minor modification 02-RCA-0238.</p> <p>The four NOC approvals listed cover operations under CH2M HILL contract with DOE-ORP, which were part of the minor modification.</p> <p>AIR 01-606 was obsoleted by off-permit change AIR 02-211, which was obsoleted by off-permit change AIR 02-1232, which is in the off-permit change AIR 03-116 found in the significant modification dated August 25, 2004.</p> <p>AIR 01-1017 was obsoleted by minor modification AIR 02-901.</p> <p>AIR 01-1108 was requested to be closed on October 15, 2002. Request was signed by WDOH; however, no report of closure report has been received.</p>				
	Ecology issuance letter	June 11, 2002						

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Table 2-1B. Tank Farms AOP Revisions and Off-Permit Changes that Occurred During the Permit Term.

Type	Letter	Letter Date	Description	Comment
				This minor modification was issued on June 11, 2002. The minor modification and the associated NOC approvals should be removed from the AOP.
Minor modification	AIR 02-1232 – AIR 02-1252	December 31, 2002	<p>"Reissuance of conditions, controls, monitoring requirements and limitations for the following Notices of Construction." All previous conditions of approval will be included in the next issuance of the AOP as a minor modification."</p> <ul style="list-style-type: none"> ▪ AIR 02-1232 ▪ AIR 02-1234 ▪ AIR 02-1235 ▪ AIR 02-1237 ▪ AIR 02-1238 ▪ AIR 02-1239 ▪ AIR 02-1240 ▪ AIR 02-1242 ▪ AIR 02-1243 ▪ AIR 02-1244 ▪ AIR 02-1245 ▪ AIR 02-1247 ▪ AIR 02-1248 ▪ AIR 02-1250 ▪ AIR 02-1251 ▪ AIR 02-1252. 	<p>AIR 02-1232, AIR 02-1235, AIR 02-1239, AIR 02-1242, AIR 02-1243, and AIR 02-1244 were corrected and reissued by off-permit change AIR 03-116.</p> <p>AIR 02-1245 was made obsolete per referenced conditions on July 14, 2004, as reported in AIR 04-808.</p> <p>AIR 02-1237, AIR 02-1238, AIR 02-1248, AIR 02-1251, and AIR 02-1252 are pending incorporation into the AOP by the significant modification dated August 25, 2004.</p> <p>AIR 02-1234 was obsoleted by AIR 03-1202, which was requested to be closed by 04-ED-025, dated March 16, 2004. Report of closure AIR 04-807 was received on August 6, 2004, that closed NOC ID 8 and 332.</p> <p>AIR 02-1240 was obsoleted by AIR 03-1104, which is in the significant modification dated August 25, 2004.</p> <p>AIR 02-1247 was obsoleted by AIR 03-1105, which is in the significant modification dated August 25, 2004.</p> <p>AIR 02-1250 was obsoleted by AIR 04-206, which is in the significant modification dated August 25, 2004.</p> <p>All the actions listed above should be</p>

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Table 2-1B. Tank Farms AOP Revisions and Off-Permit Changes that Occurred During the Permit Term.

Type	Letter	Letter Date	Description	Comment
				evaluated for impacts on the AOP renewal and, as applicable, any AOP modifications required to incorporate any conditions and/or NOC approvals into the AOP renewal should be processed through completion.
Administrative amendment	NOC application/permit revisions/AOP administrative amendment request letter	July 17, 2002	<p>"Administrative Amendment to Correct Typographical Errors."</p> <ul style="list-style-type: none"> • 200E P-296AN-001, a request to add the word "time" to reflect that only one fan operated at a time. • 200 P-296A42-001, a request to change the third line down in the AOP title to the "241-AY/AZ TANK FARM." • 200E P-296AW-001, request to add the word "time" at the end of the description for the fan. 	<p>Since this administrative amendment was submitted, the revised NOC approval AIR 02-1250 was issued for 200E P-296AN-001 that incorporated the change, and then the revised NOC approval AIR 04-206 removed it. Please ensure AIR 04-206 is correct in listing abatement control technology related to the fan operation.</p> <p>The administrative amendment section for emission unit 200E P-296AW-001 does not indicate that for the two parallel flow paths listed for the fan abatement technology, only one operates at a time.</p> <p>The administrative amendment section for emission unit 200 P-296A42-001 has not been made for that emission unit. Please ensure that the renewed AOP correctly lists 241-AY/AZ as the associated farm/location.</p> <p>All other requested changes listed in the administrative amendments have been made or obsolete.</p> <p>All the actions listed above should be evaluated for impacts on the AOP renewal and, as applicable, any AOP modifications required to incorporate any conditions, and/or NOC approvals into the AOP renewal should be processed through completion.</p>
Administrative amendment	AIR 02-1211	December 13, 2002	Administrative amendment AIR 02-1211 issued by WDOH as	Administrative amendment AIR 02-1211 pending incorporation into the AOP by

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Table 2-1B. Tank Farms AOP Revisions and Off-Permit Changes that Occurred During the Permit Term.

Type	Letter	Letter Date	Description	Comment
			approved NOC license, December 13, 2002.	the significant modification dated August 25, 2004. If the significant modification is not issued then this administrative amendment processing should be completed to include this document into the AOP renewal.
Off-permit change	03-ED-050 request letter AIR 04-1208	November 3, 2003 December 23, 2004	Radioactive Air Emissions NOC E-525 Double-Shell Tank (DST) Transfer System Modifications Project	This off-permit change is not part of the significant modification dated August 25, 2004; therefore, it should be incorporated into the AOP renewal.
Off-permit change	04-ED-076 request letter DE04NWP-002	September 7, 2004 December 15, 2004	"Notice of Construction (NOC) for the Bulk Vitrification Test and Demonstration Facility and Partial Retrieval of Tank 241-S-109, Revision 1"	This off-permit change is not part of the significant modification dated August 25, 2004; therefore, it should be incorporated into the AOP renewal.
Off-permit change	03-ED-172 request letter AIR 04-1202	December 10, 2003 December 7, 2004	"Categorical Tank Farm Facility Waste Retrieval and Closure: Phase II Waste Retrieval Operations"	This off-permit change is not part of the significant modification dated August 25, 2004; therefore, it should be incorporated into the AOP renewal.
Off-permit change	DE03NWP-001R1 (Ecology initiated)	November 3, 2004	"Non-radioactive Air Emissions Notice of Construction for Construction and Operation of the 241-S-102, 241-S-112, 241-U-107 Waste Retrieval System"	This off-permit change is a revision to DE03NWP-001, dated March 17, 2003, because "Information developed during project operation and meetings between our staffs have indicated that editorial corrections and clarification of requirements within this NOC Approval are required." The approval conditions did not change; therefore, the DE03NWP-001 approval conditions in the AOP need not change, only the date to reflect the revision. Future incorporation into the AOP could be an administrative amendment, or change not requiring a revision with the renewed AOP.

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Table 2-1B. Tank Farms AOP Revisions and Off-Permit Changes that Occurred During the Permit Term.

Type	Letter	Letter Date	Description	Comment
Off-permit change	04-ED-003 request letter AIR 04-1001	March 5, 2004 October 4, 2004	Radioactive Air Emissions NOC Supplemental Treatment Test and Demonstration Facility	This off-permit change is not part of the significant modification dated August 25, 2004; therefore, it should be incorporated into the AOP renewal.
Off-permit change	04-ED-079 request letter	September 14, 2004	"New Source Review Notice of Construction (NOC) for the Proposed Contact-Handled Transuranic Mixed Waste Packaging and Storage Facility"	As of December 31, 2004, this off-permit change is awaiting an NOC approval. If approved in time, the NOC approval should be incorporated into the AOP renewal.
Off-permit change	04-ED-063 request letter	July 22, 2004	"Criteria & Toxics Air Emissions Notice of Construction (NOC) for Operations of Waste Retrieval Systems in Single-Shell Tank (SST) Farms"	As of December 31, 2004, this off-permit change is awaiting an NOC approval. If approved in time, the NOC approval should be incorporated into the AOP renewal.
Off-permit change	04-ED-032 request letter	April 5, 2004	"Radioactive Air Emissions Notice of Construction for the Tank Farm Mixed Waste Treatment, Packaging and Storage Unit(s)"	As of December 31, 2004, this off-permit change is awaiting an NOC approval. If approved in time, the NOC approval should be incorporated into the AOP renewal.
Off-permit change	04-ED-028 request letter	March 23, 2004	"Approval of Radioactive Air Emissions Notices of Construction (NOC) for Operation of New Ventilation Systems in AN and AW Tank Farms"	As of December 31, 2004, this off-permit change is awaiting an NOC approval. If approved in time, the NOC approval should be incorporated into the AOP renewal.
Off-permit change	04-ED-004 request letter	February 6, 2004	"Approval of New Source Review Notice of Construction Application for the Supplemental Treatment and Test Demonstration Facility"	This off-permit change should be recalled because the NOC application was revised per Ecology recommendation to include partial retrieval activities for 241-S-109 and transmitted as 04-ED-076, dated September 7, 2004.
Off-permit change	03-ED-178 request letter	December 16, 2003	"Approval of Non-Radioactive Air Emissions Notices of Construction (NOC) for Operation of New Ventilation Systems in AN and AW Tank Farms"	As of December 31, 2004, this off-permit change is awaiting an NOC approval. If approved in time, the NOC approval should be incorporated into the AOP renewal.

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Table 2-1B. Tank Farms AOP Revisions and Off-Permit Changes that Occurred During the Permit Term.

Type	Letter	Letter Date	Description	Comment
Off-permit change	03-ED-026 request letter	February 12, 2003	"Transmittal of the 241-C-104 Retrieval Radioactive Air Emissions Notice of Construction (NOC) Application and the Supporting Hanford Site Air Operating Permit (AOP) Notification of Off-Permit Change Request"	This off-permit change should be recalled because the categorical NOC for Waste Retrieval Operations in SST was approved by WDOH.
Off-permit change	AIR 03-116	January 30, 2003	"Notice of Construction Attachment Replacements" <ul style="list-style-type: none"> • AIR 02-1232 • AIR 02-1239 • AIR 02-1235 • AIR 02-1242 • AIR 02-1243 • AIR 02-1244. 	AIR 02-1242, AIR 02-1243, and AIR 02-1244 were made obsolete per referenced conditions on July 14, 2004, as reported in AIR 04-808. AIR 02-1232, AIR 02-1235, and AIR 02-1239 are pending incorporation into the AOP by the significant modification dated August 25, 2004.
Off-permit change	Unknown request letter AIR 02-1255	December 31, 2002	Radioactive Air Emissions NOC for 244-CR Vault Isolation and Interim Stabilization	AIR 94-913, NOC ID 45 was obsolete by off-permit change (AIR 02-1255, NOC ID 548) dated December 31, 2002. Remove AIR 94-913 from the AOP. AIR 02-1255 is pending incorporation into the AOP by the significant modification dated August 25, 2004.
Off-permit change	AIR 02-1227	December 31, 2002	"Radioactive Air Emissions Notice of Construction for Tank Farms Restoration and Safe Operation – Project W-314, Revision 11"	AIR 02-901, NOC ID 435 was obsolete by off-permit change (AIR 02-1227, NOC ID 561) dated December 31, 2002. AIR 02-1227 was obsolete by AIR 03-1101, which is pending incorporation into the AOP by the significant modification dated August 25, 2004.
Off-permit change	02-ED-031 request letter	December 13, 2002	"Radioactive Air Emissions Notice of Construction (NOC) Application for Installation and Operation of Waste retrieval Systems in Single Shell Tank (SST) 241-U-107"	This off-permit change should be recalled because the categorical NOC for Waste Retrieval Operations in SST was approved by WDOH.

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Table 2-1B. Tank Farms AOP Revisions and Off-Permit Changes that Occurred During the Permit Term.

Type	Letter	Letter Date	Description	Comment
Off-permit change	Unknown request letter AIR 02-1108	 November 27, 2002	Radioactive Air Emissions NOC for Interim Stabilization Activities Associated with Removal of Remaining Pumpable Liquids Present in the 244-AR Facility	Report of closure requested by 03-ED-163, dated October 29, 2003, for AIR 02-1108 and emission unit, and closed by AIR 04-807, dated August 6, 2004.
Off-permit change	CHG-0204274 (02-EMD-173) request letter AIR 03-203	October 2, 2002 February 7, 2003	Radioactive Air Emissions NOC for Installation of Breather Filter on Tank 241-C-106	This off-permit change is listed because the WDOH NOC license was declared a change not requiring a revision; therefore, this off-permit change needs to be recalled and the change not requiring a revision finalized through the AOP renewal.
Off-permit change	02-RCA-0194 request letter AIR 02-410	February 21, 2002 April 22, 2002	Radioactive Air Emissions NOC for Operation of a Mobile Decontamination Trailer	Note: Decontamination Trailer was used at 222-S laboratory. AIR 02-410 was issued to correct and void AIR 02-405. Report of closure requested by 04-ED-025, dated March 16, 2004, for AIR 02-410 and the emission unit, and closed by AIR 04-807, dated August 6, 2004.
Off-permit change	AIR 01-1005 02-RCA-118 request letter	October 9, 2001 January 11, 2002	Radioactive Air Emissions NOC for Interim Stabilization Activities Associated with Removal of Remaining Pumpable Liquids Present in the 244-AR Facility	Report of closure requested by 03-ED-163, dated October 29, 2003, for AIR 01-1005 and emission unit, and closed by AIR 04-807, dated August 6, 2004.
Changes not requiring a revision	04-ED-067 proposed change	July 28, 2004 Unknown	"Hanford Site Air Operating Permit (AOP) 00-05-006 Notification of Changes Not Requiring permit Revision Forms for 200W P-242S-001, 200E P-244CR-001, 200W P-242T-001, and 200W-296P022-001"	Emission Unit: 200W P-242S-001 This proposed change is not part of the significant modification dated August 25, 2004; therefore, it should be incorporated into the AOP renewal.

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Table 2-1B. Tank Farms AOP Revisions and Off-Permit Changes that Occurred During the Permit Term.

Type	Letter	Letter Date	Description	Comment
Changes not requiring a revision	04-ED-067 proposed change	July 28, 2004 Unknown	"Hanford Site Air Operating Permit (AOP) 00-05-006 Notification of Changes Not Requiring permit Revision Forms for 200W P-242S-001, 200E P-244CR-001, 200W P-242T-001, and 200W-296P022-001"	Emission Unit: 200E P-244CR-001 This proposed change is not part of the significant modification dated August 25, 2004; therefore, it should be incorporated into the AOP renewal.
Changes not requiring a revision	04-ED-067 proposed change	July 28, 2004 Unknown	"Hanford Site Air Operating Permit (AOP) 00-05-006 Notification of Changes Not Requiring permit Revision Forms for 200W P-242S-001, 200E P-244CR-001, 200W P-242T-001, and 200W-296P022-001"	Emission Unit: 200W P-242T-001 This proposed change is not part of the significant modification dated August 25, 2004; therefore, it should be incorporated into the AOP renewal.
Changes not requiring a revision	04-ED-067 proposed change	July 28, 2004 Unknown	"Hanford Site Air Operating Permit (AOP) 00-05-006 Notification of Changes Not Requiring permit Revision Forms for 200W P-242S-001, 200E P-244CR-001, 200W P-242T-001, and 200W-296P022-001"	Emission Unit: 200W-296P022-001 This proposed change is not part of the significant modification dated August 25, 2004; therefore, it should be incorporated into the AOP renewal.
Changes not requiring a revision	03-ED-002 proposed change	January 13, 2003 Unknown	"Hanford Site Air Operating Notification of Change Not Requiring Permit Revision Section 502(B)(10) for One Tank Farm Emission Unit"	Emission Unit: 200W P-296P022-001 This proposed change is not part of the significant modification dated August 25, 2004; therefore, it should be incorporated into the AOP renewal.
Changes not requiring a revision	02-EMD-173 proposed change AIR 03-203 proposed change	October 2, 2002 February 7, 2003	Radioactive Air Emissions NOC Approval for Installation of Breather Filter on Tank 241-C-106	This change not requiring a revision included two other emission units, 241-C-104 and 241-C-105. Changes not requiring a revision (AIR 03-203) pending incorporation into the AOP by the significant modification dated August 25, 2004.

AOP = air operating permit.
 CH2M HILL = CH2M HILL Hanford Group, Inc.
 DOE-ORP = U.S. Department of Energy, Office of River Protection.
 Ecology = Washington State Department of Ecology.
 NOC = notice of construction.
 WAC = Washington Administrative Code.
 WDOH = Washington State Department of Health.

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2.3 NEW APPLICABLE REQUIREMENTS

New applicable requirements promulgated and not incorporated into the AOP during the permit term consist of the following:

- Revised (09/09/02) 40 CFR 61, Subpart H, "National Emission Standards for Hazardous Air Pollutants" (NESHAP); "National Emission Standards for Emissions of Radionuclides Other Than Radon From Department of Energy Facilities".

In addition to revised NESHAP, the following new MACT standards are applicable to the Hanford Site:

- 40 CFR 63, Subpart DDDDD, MACT standards for Industrial/Commercial/Institutional Boilers and Process Heaters
- 40 CFR 63, Subpart ZZZZ, MACT standards for Reciprocating Internal Combustion Engines
- 40 CFR 63, Subpart GGGGG, MACT standards for Site Remediation.

The degree to which these new MACT standards are applicable/exempt is shown in Table 2-2. The assessment of applicability is based on current activities, pursuant to 40 CFR 63.10(b)(3). MACT applicability to future activities, missions, and contracts will be evaluated on a case-by-case basis.

Table 2-2. MACT Standard Applicability.

MACT Standard	Not applicable	Applicable but exempt	Applicable - only initial notification required
Hazardous Waste Combustion (40 CFR 63, Subpart M)	X		
Site Remediation (40 CFR 63, Subpart GGGGG)		X	
Reciprocating Internal Combustion Engines (40 CFR 63, Subpart ZZZZ)			X ¹
Industrial/Commercial/Institutional Boilers and Process Heaters (40 CFR 63, Subpart DDDDD)			X ²

1. Initial notification required to be submitted within 120 days after startup.

2. Initial notification required to be submitted no later than 15 days after startup.

Amendments to the *Clean Air Act of 1970*, Section 112(j) provisions, were issued as a final rule by the EPA (67 FR 16581). Subsequently, the *Clean Air Act of 1990 and amendments*, were issued as final, and retained the Section 112(j) provisions. Through previous promulgated requirements, EPA was under a scheduled hammer date to develop standards/requirements for source categories in the 10-MACT grouping by May 15, 2002. As acknowledged by EPA in the FR, EPA has failed to promulgate standards for many of the source categories identified in the schedule. Major sources meeting the following criteria must submit a Part 1 Title V application to their permitting authority.

Facility:

- Is a "major source" subject to a Title V program
- Is an "affected source" with identified potentially applicable MACT source categories; and source category standards were not promulgated by EPA as of November 15, 2000 (as extended by EPA to a May 15, 2002 hammer date).

EPA recommended under 67 FR 16581 that sources in doubt of applicability should submit a Part 1 application by the May 15, 2002 deadline.

Based on incomplete applicability information available during May 2002, three MACT source categories were identified potentially as being applicable on the Hanford Site. These three were industrial boilers, reciprocating internal combustion engines, and institutional/commercial boilers and process heaters. Based on this initial evaluation, a Part 1 Title V application was filed with Ecology on May 14, 2002 (02-RCA-0340).

The determination as to whether these are applicable MACT source categories was made after evaluation of final applicability information. Results of this evaluation are displayed in Table 2-2.

In addition 40 CFR 80, "Regulation of Fuels and Fuel Additives", generally is applicable to the Hanford Site.

2.4 STATUS OF INSIGNIFICANT EMISSION UNITS

Chapter 4 and Appendix K of the original AOP application (DOE/RL-95-07) address insignificant emission units (IEUs) as required by WAC 173-401-530. Procedures/processes are in place to evaluate changes in operations that would increase emissions and new sources against the requirement to submit a notice of construction application. An updated IEU discussion will be provided in a supplement to the AOP renewal application.

2.5 AOP RENEWAL APPLICATION REQUIREMENTS FOR RADIOACTIVE AIR EMISSION SOURCES

WAC 246-247-060(9) requires that all renewal requests include a summary of the operational status of all emission units, the status of facility compliance with the standards of WAC 246-247-040, and the status of any corrective actions necessary to achieve compliance with the requirements of WAC 246-247. The following sections address each of the renewal requirements.

2.5.1 Summary of Emission Unit Operational Status

Table 2-3 contains the operational status of all emission units in the AOP, plus legacy sources reported as required in AOP Attachment 2, Section 3.2, and emission units approved since the AOP was issued that were still active as of December 31, 2004.

Table 2-3. Summary of Emission Unit Operational Status per WAC 246-247-060(9).

Emission point name (AOP)	Alias/location	WDOH Emission unit ID	Type	Operational status ¹	Comment
P-296T012-001	296-T-12/TRUSAF	60	Minor	Closed ³	Report of closure filed 07/16/02. WDOH return letter dated 08/15/02.
P-296T011-001	296-T-11/TRUSAF	61	Minor	Closed ³	Report of closure filed 07/16/02. WDOH return letter dated 08/15/02.
S-6266-001	696-W-1/Waste Sampling and Characterization Facility	62	Minor	Active ²	
S-6266-002	696-W-2/Waste Sampling and Characterization Facility	63	Minor	Active ²	
P-242AL44-001	LERF Basin #44. Liquid Effluent Retention Facility/200E	146	Minor	Active ²	
P-242AL43-001	LERF Basin #43. Liquid Effluent Retention Facility/200E	147	Minor	Active ²	
P-242AL42-001	LERF Basin #42. Liquid Effluent Retention Facility/200E	148	Minor	Active ²	
R-1706KE-001	1706KE/1706-KE Lab	168	Minor	Active ²	
EP-318-01-S	318 Building	175	Minor	Active ²	
S-RCF-EX 002	RCF-2-EX/Radiological Counting Facility	184	Minor	Active ²	
P-296W004-001	296-W-4. WRAP/200W	193	Major	Active ²	
P-309PRTR-001	309-PR-TR/309 Plutonium Recycle Test Reactor	195	Minor	Closed ³	Report filed 02/26/02. WDOH return letter dated 04/18/02.
EP-305B-01-S	305 B Building	197	Minor	Active ²	
P-296P031-001	296-P-31/209E Criticality Lab	210	Minor	Active ²	
P-2025E ETF	296-E-1. Effluent Treatment Facility/200E	301	Minor	Active ²	
EP-3020-01-S (Rad Emissions Stack)	FMSI.	307	Minor	Closed ³	Report of closure filed 12/10/04. WDOH return letter dated 12/28/04.
P-291U001-001	291-U-1/U Plant	310	Minor	Active ²	
P-291T001-001	291-T-1/T Plant Complex	314	Minor	Active ²	
P-296I007-001	296-I-7/T Plant Complex	315	Minor	Active ²	
P-291S001-001	291-S-1 S Plant (RFDON)	332	Minor	Active ²	
P-296B010-001	296-B-10. WLSF-200E	340	Major	Active ²	
EP-331G-01-S	331 G Building	342	Minor	Closed ³	Report of closure filed 02/27/03. WDOH return letter dated 03/21/03.
EP-331G-02-S	331 G Building	343	Minor	Closed ³	Report of closure filed 02/27/03. WDOH return letter dated 03/21/03.
EP-306W-03-V	306 W Building/306-W Materials Development Lab	348	Minor	Closed ³	Report of closure filed 12/15/04. WDOH return letter dated 12/28/04.
EP-320-02-S	320 Building	355	Minor	Active ²	
EP-320-03-S	320 Building	356	Minor	Closed ³	Report of closure filed 05/4/04. WDOH return letter dated 07/21/04.
EP-320-04-S	320 Building	357	Minor	Active ²	
EP-320-01-S	320 Building	358	Minor	Active ²	
EP-323-01-S	323 Building/323 Mechanical Properties	359	Minor	Active ²	

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Table 2-3. Summary of Emission Unit Operational Status per WAC 246-247-060(9).

Emission point name (AOP)	Alias/location	WDOH Emission unit ID	Type	Operational status ¹	Comment
EP-324-01-S	324 Building/324 Waste Technology	360	Major	Active ²	
EP-325-01-S	325 Building/Radiochemical Processing Laboratory	361	Major	Active ²	
EP-326-01-S	326 Building/326 Material Science Lab	362	Minor	Active ²	
EP-329-01-S	329 Building, Chemical Sciences Laboratory	366	Minor	Active ²	
P-291A001-001	291-A-1/PUREX	369	Major ³	Active ²	
P-296A010-001	296-A-10/PUREX Storage Tunnel #2	384	Minor	Active ²	
P-437MN&ST-001	437-MN&ST/Maintenance and Storage (MASF)	385	Minor	Active ²	
P-296Z003-001	296-Z-3/PFP (Z Plant)	386	Major	Active ²	Major as of 11/21/03. 1 active NOC, AIR 03-1109
P-296Z015-001	296-Z-15/PFP (Z Plant)	387	Minor	Active ²	
P-296Z005-001	296-Z-5/PFP (Z Plant)	389	Minor	Active ²	
P-296Z006-001	296-Z-6/PFP (Z Plant)	390	Minor	Active ²	
P-296Z014-001	296-Z-14/PFP (Z Plant)	391	CERCLA ⁶	CERCLA ⁶	232Z and its stack, 296-Z-14, are now regulated under CERCLA (FH-0500283). They are being removed from the AOP.
P-291Z001-001	291-Z-1/PFP (Z Plant)	393	Major	Active ²	
P-FFTFRESB-001	FFTF-RE-SB/Fast Flux Test Facility Complex	395	Minor	Active ²	
P-FFTFHTTR-001	FFTF-HT-TR/Fast Flux Test Facility Complex	396	Minor	Active ²	
P-FFTFCBEX-001	FFTF-CB-EX/Fast Flux Test Facility Complex	397	Minor	Active ²	
Sodium Storage Facility	FFTF-402-1/Fast Flux Test Facility Complex	398	Minor	Active ²	
P-437-002	437-1-61/Maintenance and Storage Facility (MASF)	399	Minor	Active ²	
P-296B001-001	296-B-1/B Plant	402	Major ³	Active ²	
P-296B002-001	296-B-2/B Plant	404	Major, Passive	Closed ¹	Report of closure filed 06/22/03.
EP-327-01-S	327 Building	407	Major	Active ²	
EP-327-02-V	327 Building	408	Minor	Active ²	
EP-331-01-V	331 Building/Life Sciences Laboratory-1	412	Major	Active ²	
EP-3730-01-S	3730 Building/3730 Gamma Irradiation Facility	417	Minor	Active ²	
EP-3720-01-S	3720 Building	419	Major	Closed ¹	Report of closure filed 01/08/04. WDOH return letter dated 07/21/04.
P-340DECON-001	340 DECON/340 Building	422	Minor	Active ²	
P-340NTEX-001	340-NT-EX/340 Tank and Vault Exhaust	423	Major ³	Active ²	
P-340BLDG-001	340-B-BLDG/340 Building	424	Minor	Inactive	inactive as currently listed in the AOP.
P-296H212-001	296-H-212, CSB/200E	435	Major	Active ²	
P-296K142-001	Cold Vac. Drying/100K	436	Major	Active ²	
I-CWC 001	Central Waste Complex/200W	439	Minor	Active ²	
300 Area Emissions	300 Area Diffuse/Fugitive	443	Non-point/Fugitive	Active ²	
PTRAEU	Sitewide TYPE-1, TYPE-2, TYPE-3	447	Minor	Active ²	
Vented Containers	Sitewide Vented Containers	448	Minor	Active ²	

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Table 2-3. Summary of Emission Unit Operational Status per WAC 246-247-060(9).

Emission point name (AOP)	Alias/location	WDOH Emission unit ID	Type	Operational status ¹	Comment
W-PORTEX 005	200 Area Interim Storage Area (ISA)/200E	454	Minor	Active ²	
W-PORTEX 007	Site-wide HEPA Vacuums	455	Minor	Active ²	
J-NONPOINT 018	Grout Railcar	460	Non-point/Fugitive	Obsolete	Obsolete 07/10/02.
W-PORTEX 011	Permacon Unit/All Plants	461	Minor	Active ²	
J-NONPOINT 012	Purgewater Modutanks	465	Non-point/Fugitive	Active ²	
P-Trench31 001	Leachate Collection Tank for Trench 31	472	Non-point/Fugitive	Active ²	
P-Trench34 001	Leachate Collection Tank for Trench 34	473	Non-point/Fugitive	Active ²	
W-PORTEX 021/Guzzler TM	Site-wide Guzzler TM	476	Minor	Active ²	
J-NONPOINT 021	ETF Load-in Filter Skid	481	Non-point/Fugitive	Obsolete	Per AIR 04-101, included in WDOH Emission unit ID 486.
P-276S141 001	Hexone Tanks/All Plants	482	Minor	Closed ³	Report of closure filed 05/14/02. WDOH return letter dated 05/24/02.
200 Area Diffuse/fugitive	200 D&F	486	Fugitive, Major	Active ²	
J-NONPOINT 027	4843 Waste Inspection Facility	489	Non-point/Fugitive	Closed ³	Report of closure filed 10/15/02. WDOH return letter dated 10/15/02.
P-296Z007 001	296-Z-7/PFP (Z Plant)	503	Major	Active ²	
600 Area Diffuse/Fugitive	J Nonpoint Source	504	Non-point/Fugitive	Active ²	
EP-331-02-S	Radon Research Facility/331 Life Science Lab	509	Minor	Closed ³	Inactive since 07/02/01; Report of closure filed 12/27/02. WDOH return letter dated 03/11/04. Refer to AIR 04-504.
PT-S3		534	Major	Inactive, under construction	
PT-S4		543	Major	Inactive, under construction	
PT-C2		544	Minor	Inactive, under construction	
PT-S1		545	Minor	Inactive, under construction	
PT-S2		546	Major	Inactive, under construction	
LV-S3		547	Major	Inactive, under construction	

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Table 2-3. Summary of Emission Unit Operational Status per WAC 246-247-060(9).

Emission point name (AOP)	Alias/location	WDOH Emission unit ID	Type	Operational status ¹	Comment
LV-C2		548	Minor	Inactive, under construction	
LV-S1		549	Minor	Inactive, under construction	
LV-S2		550	Major	Inactive, under construction	
HV-S3A		551	Major	Inactive, under construction	
HV-S4		552	Major	Inactive, under construction	
HV-C2		553	Minor	Inactive, under construction	
HV-S1		554	Minor	Inactive, under construction	
HV-S2		555	Major	Inactive, under construction	
LB-C2		557	Minor	Inactive, under construction	
LB-S1		558	Minor	Inactive, under construction	
LB-S2		559	Major	Inactive, under construction	
HAW-C2		752	Minor	Inactive, under construction	
HV-S3B		753	Major	Inactive, under construction	
HHLW-S1		754	Minor	Inactive, under construction	

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Table 2-3. Summary of Emission Unit Operational Status per WAC 246-247-060(9).

Emission point name (AOP)	Alias/location	WDOH Emission unit ID	Type	Operational status ¹	Comment
NA	Alpha 1 Caisson	793	Legacy, Passive	Active ²	02-RCA-0490
NA	Alpha 2 Caisson	794	Legacy, Passive	Active ²	02-RCA-0490
NA	Alpha 3 Caisson	795	Legacy, Passive	Active ²	02-RCA-0490
NA	Alpha 4 Caisson	796	Legacy, Passive	Active ²	02-RCA-0490
NA	Alpha 5 Caisson	797	Legacy, Passive	Active ²	02-RCA-0490
NA	#1 Caisson	798	Legacy, Passive	Active ²	02-RCA-0490
NA	#2 Caisson	799	Legacy, Passive	Active ²	02-RCA-0490
NA	#3 Caisson	800	Legacy, Passive	Active ²	02-RCA-0490
NA	#4 Caisson	801	Legacy, Passive	Active ²	02-RCA-0490
NA	#5 Caisson	802	Legacy, Passive	Active ²	02-RCA-0490
NA	#6 Caisson	803	Legacy, Passive	Active ²	02-RCA-0490
NA	UNI#1 Caisson	804	Legacy, Passive	Active ²	02-RCA-0490
NA	203A Acid Tank P3	805	Legacy, Passive	Active ²	02-RCA-0490
NA	203A Acid Tank P4	806	Legacy, Passive	Active ²	02-RCA-0490
NA	203A Acid Tank P13	807	Legacy, Passive	Active ²	02-RCA-0490
NA	V11-10-1	808	Legacy, Passive	Active ²	Incorrectly named V10-11-1 in DOE-RL Letter 02-RCA-0490.
NA	216A-2-2	809	Legacy, Passive	Active ²	02-RCA-0490
NA	P-4 Oil Bubbler	815	Legacy, Passive	Active ²	02-RCA-0490. These oil bubblers have been drained and isolated. The secondary sodium that these were a vent for has been drained.
NA	P-5 Oil Bubbler	816	Legacy, Passive	Active ²	02-RCA-0490. These oil bubblers have been drained and isolated. The secondary sodium that these were a vent for has been drained.
NA	P-6 Oil Bubbler	817	Legacy, Passive	Active ²	02-RCA-0490. These oil bubblers have been drained and isolated. The secondary sodium that these were a vent for has been drained.
NA	State Approved Land Disposal Structure (SALDS) Pipeline 1 - 13	818 - 830	Legacy, Passive	Active ²	02-RCA-0490. Emissions covered in AIR 04-101.
NA	403 4717 Building Ventilation Ducts	831	Legacy, Passive	Active ²	02-RCA-0490
NA	W1 SF H.W. Floor Drain Vent (Central)	832	Legacy, Passive	Active ²	02-RCA-0490
NA	W1 SF H.W. Floor Drain Vent (Southeast)	833	Legacy, Passive	Active ²	02-RCA-0490
NA	D-5 & 6 Drain Vents (PEP)	834	Legacy, Passive	Active ²	02-RCA-0490
NA	D-5, 6, 7, & 8 Vent	835	Legacy, Passive	Active ²	02-RCA-0490
NA	D-6 Vent	836	Legacy, Passive	Active ²	02-RCA-0490
NA	183 K West Chlorine Vault	837	Legacy, Passive	Active ²	02-RCA-0490
NA	2706 TB (northwest vent)	838	Legacy, Passive	Active ²	02-RCA-0490
NA	2706 TB (southeast vent)	839	Legacy, Passive	Active ²	02-RCA-0490
NA	291-AE Bldg	840	Legacy, Passive	Active ²	02-RCA-0490

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Table 2-3. Summary of Emission Unit Operational Status per WAC 246-247-060(9).

Emission point name (AOP)	Alias/location	WDOH Emission unit ID	Type	Operational status ¹	Comment
NA	291-B-1	841	Legacy, Passive	Closed ²	Report of closure filed 11/19/98. WDOH return letter dated 12/18/98. Inadvertently included in DOE-RL Letter 02-RCA-0490 sent 08/08/02. During the time the stack has been closed, there have not been any activities that would increase the potential to emit.
P-241C111-001	241-C-111/C Farm	001	Minor, Passive	Active	
W-PORTEX 025	296-P-45/SSTs	050	Major, Active	Active	
P-296P022-001	296-P-22/SX Farm	053	Minor, Active	Active	
P-296P028-001	296-P-28/SY Farm	054	Minor, Active	Active	
P-296SY-001	296-P-23/SY Farm	056	Minor, Active	Active	
W-PORTEX 020	296-P-43/SSTs	057	Major, Active	Active	
W-PORTEX 024	296-P-44/SSTs	058	Major, Active	Active	
S-296S025-001	296-S-25/SY Farm	059	Minor, Active	Active	
P-296SX-001	296-S-15/SX Farm	064	Minor, Active	Active	
P-241T105-001	241-T-105/T Farm	065	Minor, Passive	Active	
P-241T106-001	241-T-106/T Farm	066	Minor, Passive	Active	
P-241T109-001	241-T-109/T Farm	067	Minor, Passive	Active	
P-241T102-001	241-T-102/T Farm	068	Minor, Passive	Active	
P-241T107-001	241-T-107/T Farm	069	Minor, Passive	Active	
P-241T111-001	241-T-111/T Farm	070	Minor, Passive	Active	
P-241T104-001	241-T-104/T Farm	071	Minor, Passive	Active	
P-241T112-001	241-T-112/T Farm	072	Minor, Passive	Active	
P-241T108-001	241-T-108/T Farm	073	Minor, Passive	Active	
P-241T203-001	241-T-203/T Farm	074	Minor, Passive	Active	
P-241T204-001	241-T-204/T Farm	075	Minor, Passive	Active	
P-241T110-001	241-T-110/T Farm	076	Minor, Passive	Active	
P-241T202-001	241-T-202/T Farm	077	Minor, Passive	Active	
P-241T103-001	241-T-103/T Farm	078	Minor, Passive	Active	
P-241T101-001	241-T-101/T Farm	079	Minor, Passive	Active	
P-241T201-001	241-T-201/T Farm	080	Minor, Passive	Active	
P-241TY106-001	241-TY-106/TY Farm	081	Minor, Passive	Active	
P-241TY102-001	241-TY-102/TY Farm	082	Minor, Passive	Active	
P-241TY105-001	241-TY-105/TY Farm	083	Minor, Passive	Active	
P-241TY104-001	241-TY-104/TY Farm	084	Minor, Passive	Active	
P-241TY103-001	241-TY-103/TY Farm	085	Minor, Passive	Active	
P-241TY101-001	241-TY-101/TY Farm	086	Minor, Passive	Active	
P-241A103-001	241-A-103/A Farm	087	Minor, Passive	Active	
P-241A104-001	241-A-104/A Farm	088	Minor, Passive	Active	
P-241A102-001	241-A-102/A Farm	090	Minor, Passive	Active	
P-241A105-001	241-A-105/A Farm	091	Minor, Passive	Active	

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Table 2-3. Summary of Emission Unit Operational Status per WAC 246-247-060(9).

Emission point name (AOP)	Alias/location	WDOH Emission unit ID	Type	Operational status ¹	Comment
P-241A101-001	241-A-101/A Farm	092	Minor, Passive	Active	
P-296A042-001	296-A-42/AY/AZ Farms	093	Major, Active	Active	
P-241A106-001	241-A-106/A Farm	094	Minor, Passive	Active	
P-241U103-001	241-U-103/U Farm	097	Minor, Passive	Active	
P-241U108-001	241-U-108/U Farm	098	Minor, Passive	Active	
P-241U107-001	241-U-107/U Farm	099	Minor, Passive	Active	
P-241U203-001	241-U-203/U Farm	100	Minor, Passive	Active	
P-241U102-001	241-U-102/U Farm	101	Minor, Passive	Active	
P-241U201-001	241-U-201/U Farm	102	Minor, Passive	Active	
P-241U101-001	241-U-101/U Farm	103	Minor, Passive	Active	
P-241U204-001	241-U-204/U Farm	104	Minor, Passive	Active	
P-241U109-001	241-U-109/U Farm	105	Minor, Passive	Active	
P-241U202-001	241-U-202/U Farm	106	Minor, Passive	Active	
P-241U111-001	241-U-111/U Farm	107	Minor, Passive	Active	
P-241U112-001	241-U-112/U Farm	108	Minor, Passive	Active	
P-241U104-001	241-U-104/U Farm	109	Minor, Passive	Active	
P-241U110-001	241-U-110/U Farm	110	Minor, Passive	Active	
P-241U106-001	241-U-106/U Farm	111	Minor, Passive	Active	
P-241U105-001	241-U-105/U Farm	112	Minor, Passive	Active	
P-241TX117-001	241-TX-117/TX Farm	113	Minor, Passive	Active	
P-241TX107-001	241-TX-107/TX Farm	114	Minor, Passive	Active	
P-241TX112-001	241-TX-112/TX Farm	115	Minor, Passive	Active	
P-241TX105-001	241-TX-105/TX Farm	116	Minor, Passive	Active	
P-241TX113-001	241-TX-113/TX Farm	117	Minor, Passive	Active	
P-241TX104-001	241-TX-104/TX Farm	118	Minor, Passive	Active	
P-241TX114-001	241-TX-114/TX Farm	119	Minor, Passive	Active	
P-241TX103-001	241-TX-103/TX Farm	120	Minor, Passive	Active	
P-241TX110-001	241-TX-110/TX Farm	121	Minor, Passive	Active	
P-241TX116-001	241-TX-116/TX Farm	122	Minor, Passive	Active	
P-241TX108-001	241-TX-108/TX Farm	123	Minor, Passive	Active	
P-241TX102-001	241-TX-102/TX Farm	124	Minor, Passive	Active	
P-241TX115-001	241-TX-115/TX Farm	125	Minor, Passive	Active	
P-241TX106-001	241-TX-106/TX Farm	126	Minor, Passive	Active	
P-241TX101-001	241-TX-101/TX Farm	127	Minor, Passive	Active	
P-241TX109-001	241-TX-109/TX Farm	128	Minor, Passive	Active	
P-241TX118-001	241-TX-118/TX Farm	129	Minor, Passive	Active	
P-241TX111-001	241-TX-111/TX Farm	130	Minor, Passive	Active	
P-241S104-001	241-S-104/S Farm	131	Minor, Passive	Active	
P-241S101-001	241-S-101/S Farm	132	Minor, Passive	Active	
P-241S103-001	241-S-103/S Farm	133	Minor, Passive	Active	
P-241S102-001	241-S-102/S Farm	134	Minor, Passive	Active	

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Table 2-3. Summary of Emission Unit Operational Status per WAC 246-247-060(9).

Emission point name (AOP)	Alias/location	WDOH Emission unit ID	Type	Operational status ¹	Comment
P-241S108-001	241-S-108/S Farm	135	Minor, Passive	Active	
P-241S109-001	241-S-109/S Farm	136	Minor, Passive	Active	
P-241S105-001	241-S-105/S Farm	137	Minor, Passive	Active	
P-241S110-001	241-S-110/S Farm	138	Minor, Passive	Active	
P-241S106-001	241-S-106/S Farm	139	Minor, Passive	Active	
P-241S107-001	241-S-107/S Farm	140	Minor, Passive	Active	
P-242A-001	296-A-21/242-A Evaporator	141	Minor, Active	Active	
P-242A-002	296-A-22/242-A Evaporator	142	Minor, Active	Active	
P-296P033-001	296-P-33/All Plants	144	Major, Active	Active	
P-296AW-001	296-A-27/AW Farm	150	Minor, Active	Active	
P-296A028-001	296-A-28/AW Farm	156	Minor, Active	Active	
P-242T-001	296-T-17/242-T Evaporator	162	Minor, Active	Active	
P-242S-001	296-S-18/242-S Evaporator	163	Minor, Active	Active	
P-244S-001	296-S-22/244-S DCRT	165	Major, Active	Active	
P-244TX-001	296-T-18/244-TX DCRT	166	Major, Active	Active	
P-241ER153-001	ER153/E.R153	169	Minor, Fugitive	Active	
P-241ER152-001	ER152/E.R151	170	Minor, Fugitive	Active	
P-241ER151-001	ER151/E.R151	171	Minor, Fugitive	Active	
P-296A020-001	296-A-20/AY/AZ Farm	174	Minor, Active	Active	
P-241ER311-001	ER311/E.R311	185	Minor, Fugitive	Active	
P-241SX115-001	241-SX-115/SX Farm	200	Minor, Passive	Active	
P-241SX113-001	241-SX-113/SX Farm	201	Minor, Passive	Active	
P-241S111-001	241-S-111/S Farm	202	Minor, Passive	Active	
200W 241-S-112	241-S-112/S Farm	203	Minor, Passive	Active	
P-296AP-001	296-A-40/AP Farm	204	Minor, Active	Active	
P-296A041-001	296-A-41/AP Farm	205	Minor, Active	Active	
P-244BX-001	296-B-28/244-BX DCRT	208	Major, Active	Active	
P-244CR-001	296-C-5/244-CR Vault	213	Major, Active	Active	
P-296A043-001	296-A-43/AY/AZ Farm	216	Minor, Active	Active	
P-296A018-001	296-A-18/AY/AZ Farm	217	Minor, Active	Active	
P-296A019-001	296-A-19/AY/AZ Farm	218	Minor, Active	Active	
P-296AN-001	296-A-29/AN Farm	227	Major, Active	Active	
P-296A030-001	296-A-30/AN Farm	228	Minor, Active	Active	
P-241C107-001	241-C-107 C Farm	230	Minor, Passive	Active	
P-241C108-001	241-C-108 C Farm	231	Minor, Passive	Active	
P-241C112-001	241-C-112/C Farm	232	Minor, Passive	Active	
P-241C201-001	241-C-201/C Farm	233	Minor, Passive	Active	
P-296P016-001	296-P-16/C Farm	234	Major, Active	Active	
P-241C204-001	241-C-204/C Farm	235	Minor, Passive	Active	
C-106 Sluicing	296-C-6/C Farm	236	Major, Active	Active	
P-241C102-001	241-C-102/C Farm	237	Minor, Passive	Active	

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Table 2-3. Summary of Emission Unit Operational Status per WAC 246-247-060(9).

Emission point name (AOP)	Alias/location	WDOH Emission unit ID	Type	Operational status ¹	Comment
P-241C203-001	241-C-203/C Farm	242	Minor, Passive	Active	
P-241C110-001	241-C-110/C Farm	244	Minor, Passive	Active	
P-241C109-001	241-C-109/C Farm	245	Minor, Passive	Active	
P-241C202-001	241-C-202/C Farm	246	Minor, Passive	Active	
P-241C101-001	241-C-101/C Farm	247	Minor, Passive	Active	
P-296P034-001	296-P-34/All Plants	253	Major, Active	Active	
S-296S021-001	296-S-21/222-S Laboratory Complex	254	Minor, Active	Active	
P-241BX104-001	241-BX-104/BX Farm	255	Minor, Passive	Active	
P-241BX110-001	241-BX-110/BX Farm	256	Minor, Passive	Active	
P-241BX103-001	241-BX-103/BX Farm	257	Minor, Passive	Active	
P-241BX107-001	241-BX-107/BX Farm	258	Minor, Passive	Active	
P-241BX101-001	241-BX-101/BX Farm	259	Minor, Passive	Active	
P-241BX112-001	241-BX-112/BX Farm	260	Minor, Passive	Active	
P-241BX106-001	241-BX-106/BX Farm	261	Minor, Passive	Active	
P-241BX102-001	241-BX-102/BX Farm	262	Minor, Passive	Active	
P-241BX109-001	241-BX-109/BX Farm	263	Minor, Passive	Active	
P-241BX111-001	241-BX-111/BX Farm	264	Minor, Passive	Active	
P-241BX108-001	241-BX-108/BX Farm	265	Minor, Passive	Active	
P-241B105-001	241-B-105/B Farm	266	Minor, Passive	Active	
P-241B201-001	241-B-201/B Farm	267	Minor, Passive	Active	
P-241B108-001	241-B-108/B Farm	268	Minor, Passive	Active	
P-241B101-001	241-B-101/B Farm	269	Minor, Passive	Active	
P-241B102-001	241-B-102/B Farm	270	Minor, Passive	Active	
P-241B204-001	241-B-204/B Farm	271	Minor, Passive	Active	
P-241B104-001	241-B-104/B Farm	272	Minor, Passive	Active	
P-241BX105-001	241-BX-105/BX Farm	273	Minor, Passive	Active	
P-241B112-001	241-B-112/B Farm	274	Minor, Passive	Active	
P-241B107-001	241-B-107/B Farm	275	Minor, Passive	Active	
P-241B111-001	241-B-111/B Farm	276	Minor, Passive	Active	
P-241B109-001	241-B-109/B Farm	277	Minor, Passive	Active	
P-241B110-001	241-B-110/B Farm	278	Minor, Passive	Active	
P-241B103-001	241-B-103/B Farm	279	Minor, Passive	Active	
P-241B202-001	241-B-202/B Farm	280	Minor, Passive	Active	
P-241B106-001	241-B-106/B Farm	281	Minor, Passive	Active	
P-241B203-001	241-B-203/B Farm	282	Minor, Passive	Active	
P-241BY101-001	241-BY-101/BY Farm	283	Minor, Passive	Active	
P-241BY105-001	241-BY-105/BY Farm	284	Minor, Passive	Active	
P-241BY106-001	241-BY-106/BY Farm	285	Minor, Passive	Active	
P-241BY102-001	241-BY-102/BY Farm	286	Minor, Passive	Active	
P-241BY112-001	241-BY-112/BY Farm	287	Minor, Passive	Active	
P-241BY103-001	241-BY-103/BY Farm	288	Minor, Passive	Active	

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Table 2-3. Summary of Emission Unit Operational Status per WAC 246-247-060(9).

Emission point name (AOP)	Alias/location	WDOH Emission unit ID	Type	Operational status ¹	Comment
P-241BY104-001	241-BY-104/BY Farm	289	Minor, Passive	Active	
P-241BY109-001	241-BY-109/BY Farm	290	Minor, Passive	Active	
P-241BY108-001	241-BY-108/BY Farm	291	Minor, Passive	Active	
P-241BY111-001	241-BY-111/BY Farm	292	Minor, Passive	Active	
P-241BY110-001	241-BY-110/BY Farm	293	Minor, Passive	Active	
P-241BY107-001	241-BY-107/BY Farm	294	Minor, Passive	Active	
P-241AX104-001	241-AX-104/AX Farm	302	Minor, Passive	Active	
P-241AX102-001	241-AX-102/AX Farm	303	Minor, Passive	Active	
P-241AX103-001	241-AX-103/AX Farm	304	Minor, Passive	Active	
P-241AX101-001	241-AX-101/AX Farm	305	Minor, Passive	Active	
P-241AR151-001	AR151/AR151	319	Minor, Fugitive	Active	
P-241AX155-001	AX155/AX155 Diversion Box	330	Minor, Fugitive	Active	
P-296S016-001	296-S-16/222-S Laboratory Complex	337	Minor, Active	Active	
W-PORTEX 027	241-UX-154 Diversion Box/U Farm	344	Minor, Active	Active	
S-296S023-001	296-S-23/222-S Laboratory Complex	438	Minor, Active	Active	
PTRAEUs TYPE-1, TYPE-2, TYPE-3 at Tank Farms	PTRAEUs/All Plants	447	Minor, Active	Active	
W-PORTEX 021 Guzzler at Tank Farms	Guzzler/All Plants	476	Minor, Active	Active	
W-PORTEX 022	241-ER-152 Pit/241-ER	477	Minor, Active	Active	
200 Area Diffuse/Fugitive - Tank Farms	200 Area Diffuse/Fugitive/All Plants	486	Major, Fugitive	Active	
296-P-47	296-P-47/All Plants	498	Major, Active	Active	
200 Area Diffuse/Fugitive - Tank Farms	AIR ROTARY DRILLING/ All Plants	539	Minor, Active	Active	
200 Area Diffuse/Fugitive - Tank Farms	AIR HAMMER DRILLING/ All Plants	541	Minor, Active	Active	
P-241C106-001	C106/C Farm	712	Minor, Passive	Active	
P-244CR-001	244-CR Vault Passive Filter A/ 244-CR Vault	713	Minor, Active	Active	
P-244CR-001	244-CR Vault Passive Filter B/ 244-CR Vault	714	Minor, Active	Active	
P-241C104-001	C104/C Farm	716	Minor, Passive	Active	
P-241C105-001	C105/C Farm	717	Minor, Passive	Active	
P-241C103-001	241-C-103/C Farm	737	Minor, Passive	Active	
P-244A-001	244-A Primary HEPA/ 244A Lift Station	738	Minor, Passive	Active	

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Table 2-3. Summary of Emission Unit Operational Status per WAC 246-247-060(9).

Emission point name (AOP)	Alias/location	WDOH Emission unit ID	Type	Operational status ¹	Comment
P-244BX-001	244-BX Primary HEPA/ 244-BX DCRT	740	Minor, Passive	Active	
P-244S-001	244-S Primary HEPA/ 244-S DCRT	742	Minor, Passive	Active	
P-244TX-001	244-TX Primary HEPA/ 244-TX DCRT	744	Minor, Passive	Active	
296-P-48 Portable Exhauster at Tank Farms	296-P-48/SSTs	749	Major, Active	Active	
P-241AZ301-001	241-AZ-301/DSTs	751	Minor, Fugitive	Active	
Bulk Vit Demo Exhauster	Bulk Vit Demo Exhauster/S Farm	878	Major, Active	Active	
P-296P041-001	296-P-41/AN Farm	095	Minor, Active	Inactive ⁸ October 15, 2002	
P-204AR-001	296-A-26/ 204-AR Building	096	Minor, Active	Inactive ⁷	
P-296P032-001	296-P-32/All Plants	145	Major, Active	Inactive ⁷	
P-244AR-002	296-A-13/244-AR Sludge Vault	211	Minor, Active	Inactive ⁸ October 15, 2002	
P-296-AYAZ-001	296-A-17/AY/ AZ Farm	221	Major, Active	Inactive ⁸ October 15, 2002	
P-244A-001	296-A-25/ 244A Lift Station	222	Minor, Active	Closed ⁷	
P-213W-001	296-W-3/ Waste Compactor	308	Minor, Active	Inactive ⁷	
P-244U-001	296-U-11/U Farm	329	Major, Active	Inactive ⁸ October 15, 2002	
W-PORTEX 027	Tank Farm 241-UX-154 Diversion Box/ U Farm	344	Minor, Active	Inactive ⁷	
W-PORTEX 021 Guzzler at Tank Farms	Guzzler/A Farm	476	Minor, Active	Inactive ⁷	
W-PORTEX 023	Portable Exhauster/ All Plants	479	Minor, Fugitive	Inactive ⁷	
J-NONPOINT 020	Cone Penetrometer/ All Plants	480	Minor, Fugitive	Inactive ⁷	
J-NONPOINT 023	By-Pass of 244-U DCRT/U-Farm	483	Minor, Fugitive	Inactive ⁷	
200 Area Diffuse/ Fugitive	Project W-519/ 200 Area	486	Major, Fugitive	Inactive ⁷	

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Table 2-3. Summary of Emission Unit Operational Status per WAC 246-247-060(9).

Emission point name (AOP)	Alias/location	WDOH Emission unit ID	Type	Operational status ¹	Comment
W-PORTEX 026	Portable Exhauster on Pit 244-TX DCRT/ All Plants	490	Minor, Active	Inactive ⁷	
W-PORTEX 028	Tank Farm 241-TX-154 Diversion Box/ TX Farm	492	Minor, Actively	Inactive ⁷	
W-PORTEX 029	Tank Farm 241-S-151 Diversion Box/ All Plants	493	Minor, Active	Inactive ⁷	
W-PORTEX 032	244-CR-Vault Activities/All Plants	497	Minor, Active	Inactive ⁷	
P-244A-001	296-A-25/ 244A Lift Station	578	Minor, Passive	Closed ⁹	
296-P-17	296-P-17/A Farm	UNK	Minor, Active	Inactive ⁸ October 15, 2002	
Decon Trailer	Decon Trailer/ 222-S Lab Complex	UNK	Minor, Active	Closed ⁹	

1. Includes all emission units listed in the AOP (00-05-006) plus all new emission units identified since the AOP was issued that were still active as of December 31, 2004.
2. An operational status of "Active" means the emission unit was not closed pursuant to WAC 246-247-080(6) or has not been rendered obsolete by other permitting documentation.
3. WAC 246-247-080(6): "The facility shall file a report of closure with the department whenever operations producing emissions of radioactive material are permanently ceased at any emission unit (except temporary emission units) regulated under this chapter". AOP Section 1-4(2)(a)(ii): "...An emission unit will not be considered to be shut down permanently or completed until a report of closure is received by Health".
4. Downgrade to minor approved by T-PA.
5. Downgrade request submitted.
6. In accordance with 40 CFR 300.400(e), actions regulated under CERCLA are exempt from the requirement to obtain permits. Also, CERCLA is not an AOP applicable requirement [WAC 173-401-200(4) and 40 CFR 70.2].
7. Emission Units are considered "Inactive" if these were not used operationally in the tank farms in the calendar year 2004 and/or would not be used operationally in tank farms in calendar year 2005. Emissions might have or might not have ceased permanently; an evaluation has not been made.
8. Emission units with an "Inactive" operational status and a date signify that a request for closure has been filed. Emissions have ceased permanently, an evaluation by tanks farms has been made, and a request for closure was submitted to WDOH.
9. Emission units are classified as "closed" when these have received a stack closure inspection from WDOH confirming that emissions permanently have ceased and a letter has been received from WDOH to report the closure of the emission unit.

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2.5.2 Status of Notice of Construction Approvals for Tank Farms

Table 2-4 lists the status of tank farm NOC approvals issued by WDOH.

The "Active" status for this table represents the NOC approvals that were operational in the tank farms in calendar year 2004 and/or would be operational in the tank farms in calendar year 2005.

NOCs are classified as "Inactive" if these were not operational in the tank farms in calendar year 2004 and/or would not be operational in tanks farms in calendar year 2005. Emissions might or might not have ceased permanently; an evaluation has not been made.

Those NOCs with an "Inactive" NOC status and a date signify that a request for closure has been filed. Emissions have ceased permanently, an evaluation by tanks farms has been made, and a request for closure was submitted to WDOH.

NOCs are classified as "Closed" when a stack closure inspection has been received from WDOH to confirm emissions have ceased permanently and a letter was received from WDOH to report the closure of the emission unit.

Table 2-4. Radioactive Air Emissions NOC Approvals for Tank Farms.

NOC Approval Number	NOC ID	NOC Status (Active, Inactive or Closed)	Emission Unit Name" or AEI Number	Alias/Location	WDOH EP ID	Emission Unit Type (Major or Minor) [Active, Passive, or Fugitive]
AIR 02-1020	327	Active	W-PORTEX 025	296-P-45/SSTs	050	Major, Active
AIR 04-1202	587	Active	W-PORTEX 025	296-P-45/SSTs	050	Major, Active
AIR 02-1020	327	Active	W-PORTEX 020	296-P-43/SSTs	057	Major, Active
AIR 04-406	550	Active	W-PORTEX 020	296-P-43/SSTs	057	Major, Active
AIR 04-503	567	Active	W-PORTEX 020	296-P-43/SSTs	057	Major, Active
AIR 04-1202	587	Active	W-PORTEX 020	296-P-43/SSTs	057	Major, Active
AIR 02-1020	327	Active	W-PORTEX 024	296-P-44/SSTs	058	Major, Active
AIR 04-503	567	Active	W-PORTEX 024	296-P-44/SSTs	058	Major, Active
AIR 04-1202	587	Active	W-PORTEX 024	296-P-44/SSTs	058	Major, Active
AIR 02-1237	242	Active	P-296SX-001	296-S-15/SX Farm	064	Minor, Active
AIR 02-1248	423	Active	P-296SX-001	296-S-15/S Farm	064	Minor, Active
AIR 02-1239	290	Active	P-296A042-001	296-A-42/ AY/AZ Farms	093	Major, Active
AIR 02-503	296	Active	P-296A042-001	296-A-42/AZ Farm	093	Major, Active
AIR 04-503	567	Active	P-241S102-001	S102/S Farm	134	Minor, Passive
AIR 04-812	284	Active	P-242A-002	296-A-22/242-A Evaporator	142	Minor, Active
AIR 02-1020	327	Active	P-296P033-001	296-P-33/SSTs	144	Major, Active
AIR 04-904	607	Active	P-296P033-001	296-P-33/All Plants	144	Major, Active
AIR 02-1235	339	Active	P-244S-001	296-S-22/244-S DCRT	165	Major, Active
AIR 02-1235	339	Active	P-244TX-001	296-T-18/244-TX DCRT	166	Major, Active
AIR 01-805	468	Active	P-296A020-001	296-A-20/AY/AZ Farm	174	Minor, Active
AIR 04-406	550	Active	200W 241-S-112	241-S-112/S Farm	203	Minor, Passive
AIR 03-1105	421	Active	P-296AP-001	296-A-40/AP Farm	204	Minor, Active
AIR 02-1235	339	Active	P-244BX-001	296-B-28/244-BX DCRT	208	Major, Active
AIR 02-1235	339	Active	P-244CR-001	296-C-5/244-CR Vault	213	Major, Active
AIR 04-206	449	Active	P-296AN-001	296-A-29/AN Farm	227	Major, Active
AIR 02-1235	339	Active	P-296P016-001	296-P-16/C Farm	234	Major, Active
AIR 02-1020	327	Active	P-296P034-001	296-P-34/SSTs	253	Major, Active

Table 2-4. Radioactive Air Emissions NOC Approvals for Tank Farms.

NOC Approval Number	NOC ID	NOC Status (Active, Inactive or Closed)	"Emission Unit Name" or AEI Number	Alias/Location	WDOH EP ID	Emission Unit Type (Major or Minor) [Active, Passive, or Fugitive]
AIR 04-904	607	Active	P-296P034-001	296-P-34/All Plants	253	Major, Active
AIR 02-1211	10	Active	S-296S021-001	296-S-21/ 222-S Laboratory Complex	254	Minor, Active
AIR 02-1251	486	Active	PTRAEUs TYPE-1, TYPE-2, TYPE-3 at Tank Farms	PTRAEUs/All Plants	447	Minor, Active
AIR 03-1101	561	Active	PTRAEUs TYPE-1, TYPE-2, TYPE-3 at Tank Farms	PTRAEUs/All Plants	447	Minor, Active
AIR 02-1238	250	Active	W-PORTEX 021 Guzzler At Tank Farms	Guzzler/A Farm	476	Minor, Active
AIR 02-503	296	Active	W-PORTEX 021 Guzzler At Tank Farms	Guzzler/All Plants	476	Minor, Active
AIR 02-1255	548	Active	W-PORTEX 021 Guzzler At Tank Farms	Guzzler/All Plants	476	Minor, Active
AIR 03-1101	561	Active	W-PORTEX 021 Guzzler At Tank Farms	Guzzler/All Plants	476	Minor, Active
AIR 04-306	586	Active	W-PORTEX 021 Guzzler At Tank Farms	Guzzler/All Plants	476	Minor, Active
AIR 03-1104	340	Active	W- PORTEX 022	241-ER-152Pit/241-ER	477	Minor, Active
AIR 02-1232	05	Active	200 Area Diffuse/Fugitive - Tank Farms	200 Area Diffuse/Fugitive/ All Plants	486	Major, Fugitive
AIR 02-503	296	Active	200 Area Diffuse/Fugitive - Tank Farms	200 Area Diffuse/Fugitive/ AZ Farm	486	Major, Fugitive
AIR 02-1020	327	Active	200 Area Diffuse/Fugitive - Tank Farms	200 Area Diffuse/Fugitive/ SSTs	486	Major, Fugitive
AIR 02-1251	486	Active	200 Area Diffuse/Fugitive - Tank Farms	200 Area Diffuse/Fugitive/ All Plants	486	Major, Fugitive
AIR 02-1252	489	Active	200 Area Diffuse/Fugitive - Tank Farms	200 Area Diffuse/Fugitive/ All Plants	486	Major, Fugitive
AIR 03-203	539	Active	200 Area Diffuse/Fugitive - Tank Farms	200 Area Diffuse/Fugitive/ All Plants	486	Major, Fugitive
AIR 03-1102	540	Active	200 Area Diffuse/Fugitive - Tank Farms	200 Area Diffuse/Fugitive/ All Plants	486	Major, Fugitive
AIR 02-1255	548	Active	200 Area Diffuse/Fugitive - Tank Farms	200 Area Diffuse/Fugitive/ All Plants	486	Major, Fugitive
AIR 04-406	550	Active	200 Area Diffuse/Fugitive - Tank Farms	200 Area Diffuse/Fugitive/ All Plants	486	Major, Fugitive

Table 2-4. Radioactive Air Emissions NOC Approvals for Tank Farms.

NOC Approval Number	NOC ID	NOC Status (Active, Inactive or Closed)	"Emission Unit Name" or AEI Number	Alias/Location	WDOH EP ID	Emission Unit Type (Major or Minor) [Active, Passive, or Fugitive]
AIR 04-213	555	Active	200 Area Diffuse/Fugitive - Tank Farms	200 Area Diffuse/Fugitive/ All Plants	486	Major, Fugitive
AIR 03-1101	561	Active	200 Area Diffuse/Fugitive - Tank Farms	200 Area Diffuse/Fugitive/ All Plants	486	Major, Fugitive
AIR 03-602	565	Active	200 Area Diffuse/Fugitive - Tank Farms	200 Area Diffuse/Fugitive/ All Plants	486	Major, Fugitive
AIR 03-712	566	Active	200 Area Diffuse/Fugitive - Tank Farms	200 Area Diffuse/Fugitive/ All Plants	486	Major, Fugitive
AIR 04-503	567	Active	200 Area Diffuse/Fugitive - Tank Farms	200 Area Diffuse/Fugitive/ All Plants	486	Major, Fugitive
AIR 03-502	571	Active	200 Area Diffuse/Fugitive - Tank Farms	200 Area Diffuse/Fugitive/ All Plants	486	Major, Fugitive
AIR 03-611	578	Active	200 Area Diffuse/Fugitive - Tank Farms	200 Area Diffuse/Fugitive/ All Plants	486	Major, Fugitive
AIR 04-401	579	Active	200 Area Diffuse/Fugitive - Tank Farms	200 Area Diffuse/Fugitive/ All Plants	486	Major, Fugitive
AIR 04-306	586	Active	200 Area Diffuse/Fugitive - Tank Farms	200 Area Diffuse/Fugitive/ All Plants	486	Major, Fugitive
AIR 04-1202	587	Active	200 Area Diffuse/Fugitive - Tank Farms	200 Area Diffuse/Fugitive/ All Plants	486	Major, Fugitive
AIR 04-1001	590	Active	200 Area Diffuse/Fugitive - Tank Farms	200 Area Diffuse/Fugitive/ All Plants	486	Major, Fugitive
AIR 03-1102	540	Active	296-P-47	296-P-47/C Farm	498	Major, Active
AIR 02-1255	548	Active	296-P-47	296-P-47/ 244-CR Vault	498	Major, Active
AIR 04-1202	587	Active	296-P-47	296-P-47/All Plants	498	Major, Active
AIR 02-1232	05	Active	200 Area Diffuse/Fugitive - Tank Farms	Air Rotary Drilling/ All Plants	539	Minor, Active
AIR 02-1232	05	Active	200 Area Diffuse/Fugitive - Tank Farms	Air Hammer Drilling/ All Plants	541	Minor, Active
AIR 03-203	539	Active	P-241C-106-001	C106/C Farm	712	Minor, Passive
AIR 02-1255	548	Active	P-244CR-001	244-CR Vault Passive Filter A/244-CR Vault	713	Minor, Active
AIR 02-1255	548	Active	P-244CR-001	244-CR Vault Passive Filter B/244-CR Vault	714	Minor, Active
AIR 03-203	539	Active	P-241-C104-001	C104/C Farm	716	Minor, Passive
AIR 03-203	539	Active	P-241-C105-001	C105/C Farm	717	Minor, Passive
AIR 03-611	578	Active	P-244A-001	244-A Primary HEPA/ 244A Lift Station	738	Minor, Passive

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Table 2-4. Radioactive Air Emissions NOC Approvals for Tank Farms.

NOC Approval Number	NOC ID	NOC Status (Active, Inactive or Closed)	"Emission Unit Name" or AEI Number	Alias/Location	WDOH EP ID	Emission Unit Type (Major or Minor) [Active, Passive, or Fugitive]
AIR 03-611	578	Active	P-244BX-001	244-B Primary HEPA/ 244-BX DCRT	740	Minor, Passive
AIR 03-611	578	Active	P-244S-001	244-S Primary HEPA/ 244-S DCRT	742	Minor, Passive
AIR 03-611	578	Active	P-244TX-001	244-TX Primary HEPA/ 244-TX DCRT	744	Minor, Passive
AIR 04-401	579	Active	296-P-48 Portable Exhauster At Tank Farms	296-P-48/C Farm	749	Major, Active
AIR 04-1202	587	Active	296-P-48 Portable Exhauster At Tank Farms	296-P-48/SSTs	749	Major, Active
AIR 04-213	555	Active	P-241AZ301-001	241-AZ-301/DSTs	751	Minor, Fugitive
AIR 04-1001	590	Active	Bulk Vit Demo Exhauster	Bulk Vit Demo Exhauster/ S Farm	878	Major, Active
AIR 02-1108	455	Closed	W-PORTEX 025	296-P-45/244-AR	050	Minor, Active
Short Form Approval	358	Inactive October 15, 2002	P-296-SY-001	296-P-23/SY Farm	056	Minor, Active
AIR 95-203	62	Inactive October 15, 2002	P-296-SY-001	296-P-23/SY Farm	056	Minor, Active
AIR 02-1108	455	Closed	W-PORTEX 024	296-P-44/244-AR	058	Minor, Active
Unknown	263	Inactive October 15, 2002	P-296-SX-001	241-SX-104/SX Farm	064	Minor, Active
RTAM	283	Inactive December 31, 2002	P-296-SX-001	241 SX 106/SX Farm	064	Minor, Active
RTAM	343	Inactive	P-296P032-001	296-P-32/All Plants	145	Major, Active
AIR 95-1004	120	Inactive October 15, 2002	P-244S-001	296-S-22/S Farm	165	Major, Active
Short Form Approval	412	Inactive October 15, 2002	P-241-ER311-001	241-ER-311/	185	Minor, Passive
AIR 01-1108	484	Inactive October 15, 2002	P-296-A018-001	296-A-18/AY Farm	217	Minor, Active
AIR 02-1235	339	Emission unit closed	P-244A-001	296-A-25/ 244A Lift Station	222	Minor, Active
AIR 03-1104	340	Emission unit closed	P-244A-001	296-A-25/ 244A Lift Station	222	Minor, Passive
RTAM	38	Inactive October 15, 2002	P-296-AN-001	296-A-20/AN Farm	227	Major, Active
NOC Revision	310	Inactive October 23, 2002	C-106 Sluicing	296-C-6/C Farm	236	Major, Active
AIR 98-1002	468	Inactive October 23, 2002	C-106 Sluicing	296-C-6/C Farm	236	Major, Active

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Table 2-4. Radioactive Air Emissions NOC Approvals for Tank Farms.

NOC Approval Number	NOC ID	NOC Status (Active, Inactive or Closed)	"Emission Unit Name" or AEI Number	Alias/Location	WDOH EP ID	Emission Unit Type (Major or Minor) [Active, Passive, or Fugitive]
AIR 00-207	429	Inactive October 15, 2002	BY-105	241-BY-105/BY Farm	284	Minor, Passive
AIR 02-1242	401	Inactive August 10, 2004	W-PORTEX 027	Tank Farm 241-UX-154 Diversion Box/ U Farm	344	Minor, Active
AIR 99-1002	492	Inactive	W-PORTEX 027	241-UX-154 Diversion Box/U Farm	344	Minor, Active
NOC Rev Approval	332	*Closed	S-296S023-001	296-S-23/ 222-S Laboratory Complex	438	Minor, Active
AIR 91-NOV1	8	Closed	S-296S023-001	296-S-23/ 222-S Laboratory Complex	438	Minor, Active
AIR 02-1238	250	Inactive	W-PORTEX 021 Guzzler at Tank Farms	Guzzler/A Farm	476	Minor, Active
NOC Revision Approval	336	Closed	W-PORTEX 023	Portable Exhauster/ All Plants	479	Minor, Fugitive
AIR 98-1009	324	Inactive October 15, 2002	J-NONPOINT 020	Cone Penetrometer/ All Plants	480	Minor, Fugitive
Short Form Approval	360	Inactive October 15, 2002	J-NONPOINT 023	By-Pass of 244-U DCRT/U-Farm	483	Minor, Fugitive
AIR 00-706	487	Inactive October 15, 2002	200 Area Diffuse/ Fugitive	Project W-519/ 200 Area	486	Major, Fugitive
AIR 02-1243	403	Inactive August 10, 2004	W-PORTEX 026	Portable Exhauster on Pit 244-TX DCRT/ All Plants	490	Minor, Active
AIR 02-1245	408	Inactive August 10, 2004	W-PORTEX 028	Tank Farm 241-TX-154 Diversion Box/ TX Farm	492	Minor, Active
AIR 02-1244	407	Inactive August 10, 2004	W-PORTEX 029	Tank Farm 241-S-151 Diversion Box/ All Plants	493	Minor, Active
AIR 00-206	424	Closed	W-PORTEX 032	244-CR-Vault Activities/All Plants	497	Minor, Active
NOC Revision Form	393	Inactive October 15, 2002	296-P-17	296-P-17/A Farm	UNK	Minor, Active
AIR 02-410	506	Closed	Decon Trailer	Decon Trailer/ 222-S Lab Complex	UNK	Minor, Active

* NOC ID 332 was requested to be closed with NOC ID 8; however AIR 04-807 failed to list NOC ID 332. E-mails indicate telecoms with WDOH that NOC ID 332 is closed awaiting WDOH letter.

AEI = air emission inventory number.
EP = emission point.

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2.5.3 Status of Facility Compliance

The Hanford Site is required to report the status of compliance with the standards in WAC 246-247-040 in the renewal request. Compliance with the standards in WAC 247-247-040(1) is stated annually in the annual radioactive air emissions report. WAC 247-247-040(2) is not applicable because the Hanford Site does not have a radioactive materials license. Individual NOC approvals contain terms and conditions for meeting the requirements of all applicable paragraphs of WAC 246-247-040, including WAC 246-247-040(3), (4), and (5). Compliance with the active terms and conditions in NOC approvals incorporated into the AOP is stated annually in the AOP annual compliance certification report. Deviations from all active NOC approval terms or conditions are reported semiannually in the appropriate AOP semiannual report.

The annual radioactive air emissions report is available June 30 of each year, and contains information for the previous calendar year. The AOP annual compliance certification report is available July 1, and also contains information for the previous calendar year. AOP semiannual reports are available March 15 and September 15 of each year. The March 15 report contains information for the period July 1 through December 31 of the previous year. The September 15 report contains information from January 1 through June 30 of the same year. Table 2-5 provides calendar year specific reports.

Table 2-5. Compliance Demonstration Documentation.

CY	Annual Radioactive Air Emissions Report	AOP Annual Compliance Certification Report	AOP Semiannual Reports
2001	DOE/RL-2002-20	DOE/RL-2002-15 (July 2 through December 31, 2001)	DOE/RL-2002-04 (July 2 through December 31, 2001)
2002	DOE/RL-2003-19	DOE/RL-2003-27	DOE/RL-2002-38 (January through June 2002) DOE/RL-2003-14 (July through December 2002)
2003	DOE/RL-2004-09	DOE/RL-2004-02	DOE/RL-2003-47 (January through June 2003) DOE/RL-2004-16 (July through December 2003)
2004	Available 06/30/05	Available 07/01/05	DOE/RL-2004-01 (January through June 2004) DOE/RL-2005-01 (July through December 2004)

2.5.4 Status of Corrective Actions

Table 2-6A contains a status of open corrective actions received from July 2, 2001, effective date of the AOP, through December 31, 2004. Supplemental information dating from December 31, 2004 will be provided by September 15, 2005 as part of the AOP semiannual report for the first half of CY 2005.

Table 2-6B lists the tank farms status of corrective actions.

Table 2-6A. Status of WDOH Corrective Actions per WAC 246-247-060(9).

Title	Requested Action	Date Received	Date Due	Date Completed	Status	Responses
Notice of Correction for Central Waste Complex Permacon Unit (AIR 04-903, 09/09/04)	Action: File a report of closure on the Permacon Unit.	09/13/04	12/15/04	10/21/04	Open	DOE-RL Letter 04-OES-0136 transmitted to WDOH on 09/21/04, provided requested air sample results packages. DOE-RL Letter 04-OES-0140 transmitted to WDOH on 09/23/04, provided information requested by 09/26/04. DOE-RL Letter 05-OES-0007 transmitted to WDOH on 10/21/04, responded to the remaining actions identified in the NOC. This letter documents completion of the action that was due 09/15/04.
	Action: Describe if and where required measurements are reported annually.		11/21/04	10/21/04		
	Action: Provide input that demonstrates certification of compliance to licensed emission limits.		09/26/04	09/23/04		
	Action: Devise report and implement process to examine compliance to rad air license.		10/21/04	10/21/04		
	Action: Provide results of review of document request process.		10/21/04	10/21/04		
	Action: Provide periodic confirmatory emissions measurements.		09/15/04	09/15/04		
Notice of Correction for 209 E Criticality Laboratory Air Issues (AIR 04-706, 07/12/04). <i>(AIR 04-1201, 12/07/04) On December 7, 2004, the State of Washington Department of Health (DOH) issued a letter to the U.S. Department of Energy-Richland Operations Office (DOE-RL) that requests approval of an "Agreed Assurance of Discontinuance" for the 296-P-31 emission unit associated with the 209 E Criticality Laboratory. DOH wrote the letter based on the DOE-RL response to the July 12,</i>	(AIR 04-706) Action: Provide corrective action plan and schedule.	07/20/04 Additional 12/16/04	10/31/04	10/26/04	Open	(AIR 04-706, 07/12/04) DOE-RL Letter 05-AMCP-0019, dated 10/26/04, provided information for two items requested by the Notice of Correction. This letter identifies that the requested ALARACT demonstration will not be completed by 10/31/04; 07/31/05 is proposed for completion of this item.
	(AIR 04-706) Action: Provide report of cause of failure to meet record retention requirements.		10/31/04	10/26/04		
	(AIR 04-706) Action: Provide ALARACT demonstration for the 296-P-31 emission unit.		10/31/04	10/26/04		
	(AIR 04-1201) Action: Submit information on ALARACT demonstration.		02/15/05	02/11/05		
	(AIR 04-1201) Action: Complete inspection and document with photos.		01/31/05	01/25/05		
	(AIR 04-1201) Action: Conduct continuous monitoring of the 296-P-31 emission unit.		12/19/04	12/10/04		
						(AIR 04-1201, 12/07/04) DOE-RL Letter 05-AMCP-0101,

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Table 2-6A. Status of WDOH Corrective Actions per WAC 246-247-060(9).

Title	Requested Action	Date Received	Date Due	Date Completed	Status	Responses
<p>2004, Notice of Correction that was issued on this emission unit. The "Agreed Assurance of Discontinuance" specifies DOH's expectations regarding continued operation of the 296-P-31 emission unit.</p> <p>Air 05-116, 01/27/05, removed need for enforcement action.</p>	(AIR 04-1201) Action: Manage the 296-P-31 emission unit as a major stack.		12/18/04	12/10/04		<p>dated 12/17/04, provided a response to the 12/07/04, DOH letter on the 296-P-31 emission unit. The DOE-RL letter commits to have final documentation of the destructive analysis of HEPA filters completed by 07/05. For tracking purposes, a date 07/31/05 is being assigned to this item.</p>
	(AIR 04-1201) Action: Approval of the "Agreed Assurance of Discontinuance" is requested.		12/18/04	DOE action: Complete per discussions on 01/13/05		
	(AIR 04-1201) Commitment: Conduct a line loss study.		07/31/05	Complete per agreement after inspecting the probe 01/27/05		
	(AIR 04-1201) Commitment: Complete a Deposition 4.0 run and a comparison to ANSI N13.1 1969.		07/31/05			
	(AIR 04-1201) Commitment: Develop a PTE for the 209-E stack		07/31/05			
Notice of Correction for B Plant Air Issues (AIR 04-303, 03/04/04).	Action: Provide a response to the Notice of Correction.	03/10/04	05/03/04	04/30/04	Open	DOE-RL Letter 04-AMCP-0277 transmitted to WDOH on 04/30/04.
Notice of Correction for T Plant Air Issues (AIR 04-301, 03/02/04).	Action: Provide a response to the Notice of Correction.	03/10/04	04/30/04	04/30/04	Open	DOE-RL Letter 04-AMCP-0284 faxed to WDOH/Conklin 04/30/04.

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Table 2-6B. Status of Corrective Actions.

Title	Requested Action	Date	Date Due	Date Completed	Status	Responses	
Notice of correction for the 296-S-16 emission unit (AIR 01-701).	Action: Provide a response to the NOC.	July 10, 2001	September 8, 2001	September 13, 2001	Open	DOE-RL letter 01-RCA-440 to WDOH dated September 13, 2001, (RMIS D8829919) provided a response to the notice of correction.	
	Action: Conduct monthly HEPA filter aerosol tests until the HEPA filter housing is replaced.			April 29, 2002		DOE-RL letter 01-RCA-440 to WDOH dated September 13, 2001, (RMIS D8829919) provided a response to the notice of correction. DOE-RL letter 02-RCA-0339 to WDOH dated May 21, 2002, (RMIS D9054896) documented completion of the HEPA filter housing replacement on April 29, 2002. This letter stated that all desired actions contained in the notice of correction were completed.	
	Action: Install an appropriately scaled differential pressure gauge on the existing HEPA filter housing and begin trending of the differential pressure readings. Establish action levels to ensure the HEPA filter is operating as designed.					September 13, 2001	DOE-RL letter 01-RCA-440 to WDOH dated September 13, 2001, (RMIS D8829919) provided a response to the notice of correction.
	Action: Provide continuous sampling of the 296-S-16 emission unit until the existing HEPA filter housing is replaced.					April 29, 2002	DOE-RL letter 01-RCA-440 to WDOH dated September 13, 2001, (RMIS D8829919) provided a response to the notice of correction. DOE-RL letter 02-RCA-0339 to WDOH dated May 21, 2002,

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Table 2-6B. Status of Corrective Actions.

Title	Requested Action	Date	Date Due	Date Completed	Status	Responses
Notice of correction for the 296-P-23 emission unit (AIR 01-505).						(RMIS D9054896) documented completion of the HEPA filter housing replacement on April 29, 2002. This letter stated that all desired actions contained in the notice of correction were completed.
	Action: Provide a plan and schedule for replacement of existing HEPA filter housing.			April 29, 2002		DOE-RL letter 01-RCA-440 to WDOH dated September 13, 2001, (RMIS D8829919) provided a response to the notice of correction. DOE-RL letter 02-RCA-0339 to WDOH dated May 21, 2002, (RMIS D9054896) documented completion of the HEPA filter housing replacement on April 29, 2002. This letter stated that all desired actions contained in the notice of correction were completed.
	Action: Provide a response to the notice of correction, which may have sitewide implications, and the response should address all DOE emission units.	May 11, 2001	July 10, 2001	June 12, 2001	Open	CIIG-0103175 to DOE-ORP dated June 11, 2001, (RMIS D8725636) acknowledged notice of correction. DOE-RL letter 01-RCA-329 to WDOH dated June 12, 2001, (RMIS D8733593) requested that the due date for responding to the notice of correction be extended to August 17, 2001. AIR 01-604 to DOE-RL dated June 13, 2001, (RMIS D6811780) granted the requested extension for responding to the notice of

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Table 2-6B. Status of Corrective Actions.

Title	Requested Action	Date	Date Due	Date Completed	Status	Responses
	Action: Provide a procedure to ensure emission unit indication devices are monitored, trended, and evaluated for changing conditions that may indicate abatement controls are not operating as designed.		September 30, 2001	October 1, 2001		<p>correction.</p> <p>DOE-RL letter 01-RCA-400 dated August 16, 2001, (RMIS D8800778) provided a response to the notice of correction.</p> <p>AIR 01-811 to DOE-RL and DOE-ORP dated August 31, 2001, (RMIS D8821484) determined overall response to notice of correction was inadequate and gave DOE-RL and DOE-ORP until September 30, 2001, to submit procedures.</p> <p>CHG-0105017 to DOE-ORP dated September 26, 2001, (RMIS D8838888) submitted procedures to close notice of correction.</p> <p>DOE-RL letter 01-RCA-466 to WDOH dated October 1, 2001, (RMIS D8849294) responded to the notice of correction with procedures enclosed.</p>
Notice of correction for all Hanford Site emission units (AIR 01-104).	Action: Provide a response to the notice of correction.	January 16, 2001	March 17, 2001	March 15, 2001	Open	<p>DOE-RL letter 01-RCA-203 to WDOH dated March 15, 2001, (RMIS D8634029) responded to notice of correction.</p> <p>The DOE-RL letter provides a path forward for resolving WDOH concerns with emission sampling systems (major and minor) on the Hanford Site. The path forward includes a number of commitments.</p>

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Table 2-6B. Status of Corrective Actions.

Title	Requested Action	Date	Date Due	Date Completed	Status	Responses
	Action: DOE shall develop criteria and a schedule for the full review of all emissions sampling (major and minor). The criteria shall include the age of the sampling system, if any cleaning of the system has occurred, a review of sample filter conditions, the determination of sample characteristics (i.e., particle size and makeup), and criteria for corrective actions.			March 15, 2001		DOE-RL letter 01-RCA-203 to WDOH dated March 15, 2001, (RMIS D8634029) responded to notice of correction. The DOE-RL letter provides a path forward for resolving WDOH concerns with emission sampling systems (major and minor) on the Hanford Site. The path forward includes a number of commitments.
	Commitment: Review major stacks to see how inspections might be performed in the future.			Not completed.		No responses identified.
	Commitment: Compile information on physical environment of stack sample probes.			June 18, 2001		DOE-RL letter 01-RCA-333 to WDOH dated June 18, 2001, (RMIS D8734707) transmitted information on the type of sampling systems in use at the Hanford Site and the environment in which these sampling systems are operating to the WDOH.
	Commitment: Compile information on the age and type of sampling systems in use.			June 18, 2001		DOE-RL letter 01-RCA-333 to WDOH dated June 18, 2001, (RMIS D8734707) transmitted information on the type of sampling systems in use at the Hanford Site and the environment in which these sampling systems are operating to the WDOH.
	Commitment: If warranted, develop criteria and schedule for other sampling systems.			Not completed.		No responses identified.

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Table 2-6B. Status of Corrective Actions.

Title	Requested Action	Date	Date Due	Date Completed	Status	Responses
Notice of violation and compliance order for actions at the 244-AR vault (AIR 00-311).	Action: Provide a response to the notice of correction.	March 15, 2000	May 16, 2000	May 3, 2000	Open	CHG-0001494R1 to DOE-ORP dated April 25, 2000, (RMIS D8283725) and DOE-ORP letter 00-ESHQ-007 to WDOH dated May 3, 2000, (RMIS D8290012) documented completion of compliance orders.
	Action: ORP must ensure that procedures and policies are clearly defined and understood by its contractors (especially CH2M HILL) to comply with the standards and regulations to protect the air pathway.			May 3, 2000		CHG-0001494R1 to DOE-ORP dated April 25, 2000, (RMIS D8283725) and DOE-ORP letter 00-ESHQ-007 to WDOH dated May 3, 2000, (RMIS D8290012) documented completion of compliance orders. Compliance orders 1 and 2 were completed through revisions to HNF-IP-0842.
	Action: Training of tank farm operations staff must occur, and a method demonstrated to the department that prior to the work commencing, environment compliance personnel are consulted to ensure that regulations are complied with and that procedures and regulations are clearly understood by those doing the work in the field.			May 3, 2000		CHG-0001494R1 to DOE-ORP dated April 25, 2000, (RMIS D8283725) and DOE-ORP letter 00-ESHQ-007 to WDOH dated May 3, 2000, (RMIS D8290012) documented completion of compliance orders. Compliance orders 1 and 2 were completed through revisions to HNF-IP-0842. The training requirement was accomplished by tank farm personnel attending training provided by WDOH.
	Action: NOCs for future entries into inactive facilities with a potential for airborne radioactivity must be prepared prior to entry.			June 21, 2000		CHG-0001494R1 to DOE-ORP dated April 25, 2000, (RMIS D8283725) and DOE-ORP letter 00-ESHQ-007 to WDOH dated May 3, 2000, (RMIS D8290012) documented completion of compliance orders.

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Table 2-6B. Status of Corrective Actions.

Title	Requested Action	Date	Date Due	Date Completed	Status	Responses
						Compliance order 3 to be completed by submittal of a NOC for Categorical Facility Entry and Surveillance by May 16, 2000. AIR 00-604 issued June 21, 2000 for Categorical Facility Entry and Surveillance.
Notice of correction for failure to identify emission sources (AIR 97-402).	Action: Provide a response to the notice of correction.	April 4, 1997	June 3, 1997	May 30, 1997	Open	DOE-RL letter 97-EAP-450 to WDOH dated May 30, 1997, (RMIS D197184402) provided a list of orders, procedures, and requirements that were currently used to identify situations with a potential to emit, as well as an implementation schedule for review and, if needed, updating of any requirements.
	Action: Develop and submit a plan that provides a mechanism to identify activities that have the potential to emit radionuclides to the atmosphere. This plan shall contain a method of timely communication of NOC requirements and agreements to all impacted personnel.			May 30, 1997		DOE-RL letter 97-EAP-450 to WDOH dated May 30, 1997, (RMIS D197184402) provided a list of orders, procedures, and requirements that were currently used to identify situations with a potential to emit, as well as an implementation schedule for review and, if needed, updating of any requirements.
Notice of correction for dose assessment activities (AIR 95-1005)	Action: Provide a response to the notice of correction.	November 6, 1995	January 4, 1996	January 15, 1996	Open	DOE-RL letter 96-PCA-082 to WDOH dated January 15, 1996, (RMIS D296006840) provided a sitewide response to this notice of correction.
	Action (tank farms): Air pathways in cover blocks and pits need to be sealed from the environment.			January 15, 1996		DOE-RL letter 96-PCA-082 to WDOH dated January 15, 1996, (RMIS D296006840) provided a sitewide response to this notice of correction.

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Table 2-6B. Status of Corrective Actions.

Title	Requested Action	Date	Date Due	Date Completed	Status	Responses
2-49	Action (tank farms): Prevent this problem (diversion boxes in 200 East and 200 West tank farms that contain open Hanford Site wall nozzles) from continuing by implementing appropriate administrative controls.			Proposed September 30, 1997		DOE-RL letter 96-PCA-082 to WDOH dated January 15, 1996, (RMIS D296006840) provided a sitewide response to this notice of correction.
	Action (tank farms): The area (northeast of 241-C tank farm) should be characterized. If the contamination is windblown or exists as a result of airborne emissions, the source should be identified, controlled, and remediated.			Proposed September 30, 1997		DOE-RL letter 96-PCA-082 to WDOH dated January 15, 1996, (RMIS D296006840) provided a sitewide response to this notice of correction.
	Action (sitewide): Develop procedures to require facilities to review their sample results at least quarterly.			Proposed January 1, 1996		DOE-RL letter 96-PCA-082 to WDOH dated January 15, 1996, (RMIS D296006840) provided a sitewide response to this notice of correction.
	Action (sitewide): Report the required specific radionuclide analysis in the next report (air emissions report).			January 15, 1996		DOE-RL letter 96-PCA-082 to WDOH dated January 15, 1996, (RMIS D296006840) provided a sitewide response to this notice of correction.
	Action (tank farms): The area (east of 241-T tank farm and 207-T retention basin) should be characterized. If the contamination is windblown or exists as a result of airborne emissions, the source should be identified, controlled, and remediated.			January 15, 1996		DOE-RL letter 96-PCA-082 to WDOH dated January 15, 1996, (RMIS D296006840) provided a sitewide response to this notice of correction.

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3.0 REFERENCES

- 96-PCA-082, Letter from J. E. Rasmussen, DOE/ORP, to A. W. Conklin, WDOH, "Response to State of Washington Department of Health Radioactive Air Emissions Audit", dated January 15, 1996.
- 97-EAP-450, Letter from J. E. Rasmussen, DOE/ORP, to A. W. Conklin, WDOH, "Response to Notice of Correction: AIR 97-402", dated May 30, 1997.
- 00-ESHQ-007, Letter from J. J. Bevalacqua, DOE/ORP, to A. W. Conklin, WDOH, "Completion of Compliance Orders Required by the State of Washington Department of Health (WDOH) Letter AIR 00-311, Notice of Violation and Compliance Order", dated May 3, 2000.
- 01-RCA-203, Letter from J. Hebdon, DOE/RL, to A. W. Conklin, WDOH, "Sample Filters Used for Measuring Emissions from Facilities Located on the Hanford Site", dated March 15, 2001.
- 01-RCA-329, Letter from J. Hebdon, DOE/RL, to A. W. Conklin, WDOH, "Request for Extension to 60-day Response to the Washington State Department of Health (DOH) on 296-P-23", dated June 12, 2001.
- 01-RCA-333, Letter from J. Hebdon, DOE/RL, to A. W. Conklin, WDOH, "Sample Filters Used for Measuring Emissions from Facilities Located on the Hanford Site", dated June 18, 2001.
- 01-RCA-400, Letter from J. Hebdon, DOE/RL, to A. W. Conklin, WDOH, "Response to the Washington State Department of Health (DOH) Notice of Correction (NoC) on National Emission Standards for Hazardous Air Pollutants (NESHAP) Title V Inspection of 296-P-23", dated August 16, 2001.
- 01-RCA-440, Letter from J. Hebdon, DOE/RL, to A. W. Conklin, WDOH, "Response to the Washington State Department of Health (DOH) Notice of Correction (NoC) (Audit Number 244) for the 296-S-16 Emission Unit", dated September 13, 2001.
- 01-RCA-466, Letter from J. Hebdon, DOE/RL, to A. W. Conklin, WDOH, "Second Response to the Washington State Department of Health (DOH) Notice of Correction (NoC) on National Emission Standards for Hazardous Air Pollutants (NESHAP) Title V Inspection of 296-P-23", dated October 1, 2001.
- 02-ED-043, Letter from J. E. Rasmussen, DOE/ORP, to M. A. Wilson, Ecology, "Transmittal of Criteria/Toxics Air Emissions Notice of Construction Revision Form for the Tank 241-C-106 Enhanced Sluicing and Retrieval Operation", dated January 13, 2003.
- 02-EMD-173, Letter from J. E. Rasmussen, DOE/ORP, to A. W. Conklin, WDOH, "Approval of Radioactive Air Emissions Notice of Construction (NOC) for Installation of Breather Filter on Tank 241-C106", dated October 2, 2002.
- 02-RCA-085, Letter from J. Hebdon, DOE/RL, to O. S. Wang, Ecology, and A. W. Conklin, WDOH "Application for Group Processing of Minor Modifications to the Hanford Site Title V Air Operating Permit (AOP) - Number 00-05-006", dated December 6, 2001.
- 02-RCA-118, Letter from J. Hebdon, DOE/RL, to O. S. Wang, Ecology, A. W. Conklin, WDOH, and J. Iani, EPA, "Notification of Off-Permit Change to the Hanford Site Title V Air Operating Permit (Number 00-05-006) for Outstanding Notice of Construction Approvals", dated January 11, 2002.

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- 02-RCA-0194, Letter from J. Hebdon, DOE/RL, to , A. W. Conklin, WDOH, J. Leitch, EPA, and O. S. Wang, Ecology, "DOE/RL-2002-09, Revision 0, Radioactive Air Emissions Notice of Construction (NOC) for Decontamination Trailer and Off-Permit Change", dated February 21, 2002.
- 02-RCA-0238, Letter from J. Hebdon, DOE/RL, to O. S. Wang, Ecology, and A. W. Conklin, WDOH "Application for Inclusion of Seven Additional Approval Orders for Group Processing of Minor Modifications to the Hanford Site Title V Air Operating Permit (Number 00-05-006)", dated March 22, 2001.
- 02-RCA-0339, Letter from J. Hebdon, DOE/RL, to A. W. Conklin, WDOH, "Closure of the Washington State Department of Health, Notice of Correction (NOC) (Audit Number 244) for the 296-S-16 Emission Unit", dated May 21, 2002.
- 02-RCA-0340, Letter from J. Hebdon, DOE/RL, to M. A. Wilson, Ecology, "Part I Title V Application - Hanford Site Sources Potentially Subject to Section 112(j) Under the Maximum Achievable Control Technology (MACT) Hammer Provisions", dated May 14, 2002.
- 02-RCA-0490, Letter from J. Hebdon, DOE/RL, to O. S. Wang, Ecology and A. W. Conklin, WDOH, "Correction to the Request for Administrative Amendment to Add Newly Discovered Sources of Radioactive Air Emissions to the Hanford Site Title V Air Operating Permit (Number 00-05-006)", dated August 08, 2002.
- 02-RCA-0571, Letter from J. Hebdon, DOE/RL, to A. W. Conklin, WDOH, and J. M. Leitch, EPA, "Notice of Construction Application for the Radiological Calibrations Laboratory (318 Building)", dated September 16, 2002.
- 03-ED-002, Letter from J. E. Rasmussen, DOE/ORP, to M. A. Wilson, Ecology and A. W. Conklin, WDOH, "Hanford Site Air Operating Permit Notification of Changes Not Requiring Permit Revision Section 502(B)(10) for One Tank Farm Emission Unit", dated January 13, 2003.
- 03-ED-015, Letter from J. E. Rasmussen, DOE/ORP, to M. A. Wilson, Ecology and A. W. Conklin, WDOH, "Transmittal of Notice of Construction (NOC) Application/Permit, Revision 1, A Hanford Site Air Operating Permit (AOP) Minor Modification Request Form, and Notification of Permit Modification Request to the U.S. Environmental Protection Agency (EPA), Region 10, The Tribes, and Affected States for Tank Farm Air Emission Unit 200E P-206AP-001", dated January 30, 2003.
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