STATEMENT OF BASIS
HANFORD SITE AIR OPERATING PERMIT
NO. 00-05-006
RENEWAL 2, REVISION B

ATTACHMENT 2
DEPARTMENT OF HEALTH LICENSE

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1.0 EMISSION STANDARDS

Radioactive air emission standards for the State of Washington are contained in WAC 173-480-040, 173-480-050, 173-480-060 and in 40 CFR Part 61, Subparts H. In accordance with WAC 173-480-050 Health shall enforce the most stringent standard in effect.

Under WAC 246-247-040(5), the department may set limits on emission rates for specific radionuclides for specific emission units and/or set requirements and limitations on the operation of emission unit(s) as specified in this license. Health establishes emission limits in Notice Of Construction (NOC) approvals or upon baseline emissions from an emission unit.

All new construction and significant modifications of emission units from August 10, 1988 until the termination of this license, shall utilize BARCT per WAC 246-247-040(3).

All existing emission units and insignificant modifications shall utilize ALARACT. [WAC 246-247-040(4)]

2.0 MONITORING, TESTING, QUALITY ASSURANCE, REPORTING AND RECORD KEEPING

Emission units with a potential-to-emit less than 0.1 mrem/yr TEDE to the MEI may estimate those radionuclide emissions, in lieu of monitoring, in accordance with 40 CFR 61 Appendix D, or other procedure approved by the department. The department may require periodic confirmatory monitoring methods approved by the department under WAC 246-247-075(3).

WAC 246-247-075(11) requires the licensee to address accidental releases when planning for any new construction or significant modification of the emission unit if the probability of occurrence during the expected life of the emission unit is greater than one percent. Refer to tables 1.1, 1.2, 1.3 and section 2.1 of the license.

2.1 Requirements for Diffuse or Fugitive Sources in Table 2.1

Section 5 of Attachment 2 describes the requirements for monitoring and reporting of diffuse or fugitive source emissions. The ambient air monitoring conducted at the Hanford Site has been accepted by the department as the method for demonstrating compliance to emissions limits for diffuse and fugitive sources. Those sources with Emission Unit specific conditions and limitations within the FF-01 License must be monitored and meet the applicable quality assurance and analysis requirements. All required ambient air monitors shall be identified along with their data measurements in the annual Radionuclide Air Emissions Report.

Quality Assurance and Analysis

All required ambient air samples collected and analyzed must be compatible with the quality assurance requirements of national standards such as NQA-1, EPA QA/R-5, and Method 114 as applicable. Near-facility ambient air samples from individual stations must be composited at a frequency no greater than 6 months.

Modifications to the Diffuse and Fugitive Environmental Monitoring

Prior to making modifications (i.e., moving, or removing air sample locations, or changing the sampling period) to the accepted periodic confirmatory measurement (for minor diffuse and fugitive sources) and continuous measurement (for major diffuse and fugitive sources) the Department of Health, Radioactive Air Emissions Section shall approve a written request for the modifications. The

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request for modification may take the form of an email or formal letter. Analysis of other media samples will be conducted at labs with the appropriate quality assurance programs in-place.

2.2 Compliance Assurance Monitoring for Legacy Sources Discovered on Site

In the course of Hanford's 50-year history radioactive waste products may have been disposed of by means not allowed by today's standards. These disposal areas represent potential diffuse or passively ventilated point sources of radioactive airborne emissions. The license describes actions that must be taken upon the licensee discovering any category of diffuse or passively ventilated point sources. These actions include a means to establish methods for determining compliance assurance.

Categories of emission units or other specific emission units not identified in existing Tables, will meet the requirements for periodic confirmatory monitoring, recordkeeping, and reporting found in Attachment 2. The annual Radionuclide Air Emissions Report for the Hanford Site satisfies the reporting requirements.

3.0 EMISSION UNIT IDENTIFICATION DESCRIPTIONS USED IN ATTACHMENT 2

The principle identifier used in Attachment 2 of the Air Operation Permit is the Air Emissions Inventory (AEI) number. This number is assigned to an emission unit when registered with the department. In addition to the Emission Unit ID number the Air Emissions Inventory (AEI) number is also used as an identifier. This unique identifier was established for use in the Hanford Air Operating Permit. It is based upon an alphanumeric code description indicating key information concerning the operational area code, a category code, a building identifier, and type of emission point identifier code.

Secondary emission unit identifications were used in the permit for familiarity with the identification such as the commonly used regulatory identification.

For facility operator's ease of use, a plant name or tank farm was listed with the emission unit identifiers.

In attachment 2, Health used a three digit Emission Unit ID in small font under the heading text. This number is created from the database Health uses to track and generate the emission unit requirements for each emission unit.

An example of the heading used in attachment 2 would be as follows:

Emission Unit ID: 393……*Health's database tracking number*
200W P-291Z001 …….....*The AEI number*
291-Z-1 …….....*The regulatory ID*
PLUTONIUM FINISHING PLANT (Z PLANT)……..*The associated facility/farm*

AEI number representation:

200W	Operational area code
P	Process emission point
291Z	Building number
001	Emission point identifier

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4.0 ALARACT DEMONSTRATIONS

The ALARACT demonstrations contained in enclosure 3 of the FF-01 describe the approved methods for ALARACT compliance set forth in section 2.2 of Attachment 2 for the approved routine activities. If an emission unit license references an older ALARACT revision (1, 2, etc.) then the most up to date revision must be used (01.1, 02.1, etc.). The revision number is designated by the number following the decimal place.

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5.0 OBSOLETE EMISSION UNITS

EU ID	Stack Name
54	296-P-28
64	296-S-15
145	296-P-32
150	296-A-27
162	296-T-17
165	296-S-22
166	296-T-18
168	1706KE
208	296-B-28
213	296-C-5
234	296-P-16
236	296-C-6
310	291-U-1
355	EP-320-02-S
357	EP-320-04-S

EU ID	Stack Name
424	340-B-BLDG
477	241-ER-152
539	Air Rotary Drilling
541	Air Hammer Drilling
714	P-244CR-003
809	200E 216A-2-2
874	Concrete Containers
891	100 K diffuse/fugitive
899	200-E-120
905	216-A-40
964	291-U
965	600-148
973	116-K-3
997	Storage Building
998	Storage Building

EU ID	Stack Name
1054	Pump House
1056	Dry Chemical Warehouse
1064	U Plant Adminstration Building
1065	Sodium Storage Building
1069	Warehouse Essential Materials
1075	Solvent Recovery Tanks
1076	Backup Generator Facility
1077	Water Storage Tanks and Lines
1082	Cooling Water Sampling Building
1090	Sample Station #2
1092	Sample Station #3
1109	Stack Monitoring Station
1119	PDD Monitoring Building
1121	307 Retention Basin
1184	Solidification Treatment Unit (STU)

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EU ID	Stack Name
358	EP-320-01-S
359	EP-323-01-S
362	EP-326-01-S
366	EP-329-01-S
417	EP-3730-01-S
422	340 Decon
423	340-NT-EX

EU ID	Stack Name
999	Storage Building
1010	Injection Manifold Building
1030	UO3 Plant Concentration and Loadout building
1037	Treated Effluent Monitoring Building at T Plant
1050	Inert Gas Generator Building
1052	Breathing Air Compressor Building
1053	Stack Gas Monitoring Station

EU ID	Stack Name
1275	100 H Diffuse/Fugitive
1305	EP-320-115P-S
1306	EP-320-133P-S
1307	EP-320-138P-S
1308	EP-320-144P-S
1323	EP-320-165-V
1324	EP-320-185-V

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6.0 OBSOLETE APPLICABLE REQUIREMENTS

Obsolete Applicable Requirements

EU ID	NOC ID	Project Title	Permit Number
50			
	703	Categorical Tank Farm Facility Waste Retrieval and Closure: Phase II Waste Retrieval Operations (Replaced NOC ID 587)	AIR 09-704
	718	Removal of Liquid from Catch Tank 241-ER-311(Replaced by NOC 850)	AIR 08-1106
	780	Categorical Tank Farm Facility Waste Retrieval and Closure: Phase II Waste Retrieval Operations (Replaced NOC ID 703) (Replaced by NOC 816)	AIR 10-1104
57			
	686	Installation and Operation of Waste Retrieval Systems in Single-Shell Tank (SST) 241-S-112 (Replaced NOC ID 550) (Replaced by NOC ID 788)	AIR 08-1103
	694	241-S-102 Installation and Operation of Waste Retrieval Systems (Replaced NOC ID 567)	AIR 09-708
	703	Categorical Tank Farm Facility Waste Retrieval and Closure: Phase II Waste Retrieval Operations (Replaced NOC ID 587)	AIR 09-704
	780	Categorical Tank Farm Facility Waste Retrieval and Closure: Phase II Waste Retrieval Operations (Replaced NOC ID 703) (Replaced by NOC 816)	AIR 10-1104
	788	Installation and Operation of Waste Retrieval Systems in Single-Shell Tank (SST) 241-S-112 (Replaces NOC ID 686)	AIR 10-1202
58			
	694	241-S-102 Installation and Operation of Waste Retrieval Systems (Replaced NOC ID 567)	AIR 09-708
	703	Categorical Tank Farm Facility Waste Retrieval and Closure: Phase II Waste Retrieval Operations (Replaced NOC ID 587)	AIR 09-704
	780	Categorical Tank Farm Facility Waste Retrieval and Closure: Phase II Waste Retrieval Operations (Replaced NOC ID703) (Replaced by NOC 816)	AIR 10-1104
62			
	669	Use of Portable Tanks and Revised Source Term Description at Waste Sampling and Characterization Facility (WSCF) (Replaced by NOC 820)	AIR 06-1029
63			
	669	Use of Portable Tanks and Revised Source Term Description at Waste Sampling and Characterization Facility (WSCF)(Replaced by NOC 820)	AIR 06-1029
93			
	653	241-AY and 241-AZ Ventilation Upgrades (Replaced NOC ID 290) (Replaced by NOC ID 708)	AIR 06-1018
	708	License to Operate Ventilation of the 241 AY/AZ Tank Farm (Replaced NOC ID 653) (Replaced by NOC ID 782)	AIR 08-908
	714	Installation and Operation of Waste Retrieval Systems in Tanks	AIR 06-1064

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		241-AZ-101, 241-AZ-102, 241-AY-101, and 241-AY-102.	
	782	License to Operate Ventilation of the 241 AY/AZ Tank Farm (Replaced NOC ID 708) (Replaced by NOC 840)	AIR 10-1101
134			
	694	241-S-102 Installation and Operation of Waste Retrieval Systems (Replaced NOC ID 567)	AIR 09-708

Obsolete Applicable Requirements

EU ID	NOC ID	Project Title	Permit Number
142			
	651	Operation of the 242-A Evaporator emission unit 296-A-22 (Replaced by NOC 824)	AIR 06-1016
146			
	690	Operation of the Liquid Effluent Retention Facility and the 200 Area Effluent Treatment Facility (Replaced NOC ID 562) (Replaced by NOC 822)	AIR 06-1045
147			
	690	Operation of the Liquid Effluent Retention Facility and the 200 Area Effluent Treatment Facility (Replaced NOC ID 562) (Replaced by NOC 822)	AIR 06-1045
148			
	690	Operation of the Liquid Effluent Retention Facility and the 200 Area Effluent Treatment Facility (Replaced NOC ID 562) (Replaced by NOC 822)	AIR 06-1045
174			
	671	241-AZ Tank Farm Annulus Exhauster Operation (Replaced by NOC 826)	AIR 06-1031
175			
	681	Calibration and Development Activities in the Radiological Calibrations Laboratory (318 Building), Replaced by NOC ID 821	AIR 06-1037
193			
	638	Construction and operation of the Waste Receiving and Processing (WRAP) Facility (Replaced NOC ID 23)	AIR 08-802
203			
	686	Installation and Operation of Waste Retrieval Systems in Single -Shell Tank (SST) 241-S-112 (Replaced NOC ID 550) (Replaced by NOC ID 788)	AIR 08-1103
	788	Installation and Operation of Waste Retrieval Systems in Single -Shell Tank (SST) 241-S-112 (Replaces NOC ID 686)	AIR 10-1202
204			
	666	Installation and operation of Waste Retrieval System in Tanks 241-AP-102 and 241-AP-104 (Replaced by NOC 828)	AIR 06-1027
210			
	707	Surveillance and Maintenance of the 209-E Criticality Laboratory	AIR 08-1022
	793	Deactivation of 209-E Building (Replaces NOC ID 707)(Replaced by NOC 858)	AIR 10-1021
227			
	668	Installation and Operation of a Waste Retrieval System in Tanks 241-AN-101,102,103, 104, 105, 106 and 107.	AIR 06-1028

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		(Replaced by NOC 827)	
254			
	716	License to Operate the 222-S Laboratory (Replaced NOC ID 637) (Replaced by NOC 831)	AIR 08-904
301			
	690	Operation of the Liquid Effluent Retention Facility and the 200 Area Effluent Treatment Facility (Replaced NOC ID 562) (Replaced by NOC 822)	AIR 06-1045
314			
	711	Consolidated T Plant Operations (Replaced by NOC 830)	AIR 07-306
315			
	648	Operation of the 2706-T Building (replaced by NOC 829)	AIR 06-1013

Obsolete Applicable Requirements

EU ID	NOC ID	Project Title	Permit Number
340			
	649	Waste Encapsulation and Storage Facility (WESF) Liquid Low Level Radioactive Liquid Removal from Tank 100. (Replaced NOC ID 259)(Replaced by NOC 832)	AIR 06-1014
361			
	687	Conducting General Laboratory Processes Research Activities in the 325 Building (Replaced by NOC 807)	AIR 06-1042
385			
	646	Sodium Residuals Reaction/Removal and other Deactivation Work Activities at the Fast Flux Test Facility	AIR 08-1021
	776	Sodium Residuals Reaction/Removal and other Deactivation Work Activities at the Fast Flux Test Facility (Replaced by NOC 833)	AIR 10-412
389			
	655	Transition of the Plutonium Finishing Plant	AIR 06-1020
390			
	655	Transition of the Plutonium Finishing Plant	AIR 06-1020
393			
	655	Transition of the Plutonium Finishing Plant	AIR 06-1020
396			
	646	Sodium Residuals Reaction/Removal and other Deactivation Work Activities at the Fast Flux Test Facility	AIR 08-1021
	776	Sodium Residuals Reaction/Removal and other Deactivation Work Activities at the Fast Flux Test Facility (Replaced by NOC 833)	AIR 10-412
397			
	646	Sodium Residuals Reaction/Removal and other Deactivation Work Activities at the Fast Flux Test Facility	AIR 08-1021
	776	Sodium Residuals Reaction/Removal and other Deactivation Work Activities at the Fast Flux Test Facility (Replaced by NOC 833)	AIR 10-412
398			
	639	Construction and Operation of Sodium Storage Facility (Replaced NOC ID 65)(Replaced by NOC 842)	AIR 06-1007
399			
	646	Sodium Residuals Reaction/Removal and other Deactivation Work	AIR 08-1021

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		Activities at the Fast Flux Test Facility	
	776	Sodium Residuals Reaction/Removal and other Deactivation Work Activities at the Fast Flux Test Facility (Replaced by NOC 833)	AIR 10-412
412			
	712	Life Sciences Laboratory-1 (331 Building) (Replaced by NOC 808)	AIR 08-607
423			
	704	Operation of the 340 Waste Storage	AIR 06-1058
435			
	652	Canister Storage Building, Building 212-H (Replaced by NOC 835)	AIR 09-106
436			
	643	Construction and Operation of the Cold Vacuum Drying Facility (CVDF) (Replaced by NOC 836)	AIR 06-1009
443			
	684	300 Area Excavation Activities (Replaced by NOC 811)	AIR 08-1020
	675	Operation of the Radiological Counting Facility	AIR 06-1035
447			
	689	Tank Farm Restoration and Safe Storage (Replaced NOC ID 561) (Replaced by NOC ID 783)	AIR 06-1044
	708	License to Operate Ventilation of the 241 AY/AZ Tank Farm (Replaced NOC ID 653) (Replaced by NOC ID 782)	AIR 08-908

Obsolete Applicable Requirements

EU ID	NOC ID	Project Title	Permit Number
	711	Consolidated T Plant Operations (Replaced by NOC 830)	AIR 07-306
	782	License to Operate Ventilation of the 241 AY/AZ Tank Farm (Replaced NOC ID 708) (Replaced by NOC 840)	AIR 10-1101
	783	Tank Farm Restoration and Safe Storage (Replaced NOC ID689) (Replaced by NOC 841)	AIR 10-1102
	664	Portable/Temporary Radionuclide Airborne Emissions Units (PTRAEU) (Replaced by NOC 837)	AIR 06-1025
	670	Roof Replacement Activities Involving Radioactive Contamination at Facilities on the Central Plateau (Replaced by NOC 838)	AIR 06-1030
	673	Categorical Tank Farm Facility Entry and Surveillance (Replaced by NOC 839)	AIR 06-1033
455			
	670	Roof Replacement Activities Involving Radioactive Contamination at Facilities on the Central Plateau (Replaced by NOC 838)	AIR 06-1030
	700	Operation of the Transuranic Waste Retrieval Project	AIR 06-1054
	708	License to Operate Ventilation of the 241 AY/AZ Tank Farm	
	719	Operation of the Transuranic Waste Retrieval Project (Replaced by NOC 804)	AIR 07-1012
	782	License to Operate Ventilation of the 241 AY/AZ Tank Farm (Replaced NOC ID 708) (Replaced by NOC 840)	AIR 10-1101
	795	License to Operate the Retrieval and Disposal Activities for Boxes 80 and 82 for the TRU Waste Retrieval Project	AIR 10-1022

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465			
	636	Purgewater Modutanks(Replaced NOC ID 7) (Replaced by NOC ID 747)	AIR 06-1004
	747	Demolition of the Purgewater Storage and Treatment Facility Unit #1 (Replaced NOC ID 636)	AIR 09-804
472			
	662	Trench 31 and 34: Leachate Collection and Storage Tank (LLBG Mixed Waste Disposal)(Replaced by NOC 834)	AIR 06-1023
473			
	662	Trench 31 and 34: Leachate Collection and Storage Tank (LLBG Mixed Waste Disposal)(Replaced by NOC 834)	AIR 06-1023
476			
	782	License to Operate Ventilation of the 241 AY/AZ Tank Farm (Replaced NOC ID 708) (Replaced by NOC 840)	AIR 10-1101
	783	Tank Farm Restoration and Safe Storage (Replaced NOC ID 689) (Replaced by NOC 841)	AIR 10-1102
	784	244-CR Vault Isolation and Interim Stabilization (Replaced NOC ID 685) (Replaced by NOC ID 853)	AIR 10-1103
	685	244-CR Vault Isolation and Interim Stabilization (Replaced NOC ID 548) (Replaced by NOC ID 784)	AIR 09-902
	689	Tank Farm Restoration and Safe Storage (Replaced NOC ID 561) (Replaced by NOC ID 783)	AIR 06-1044
	702	Categorical Tank Farm Facility Waste Retrieval and Closure: Phase 1- Site Preparation and System Installation (Replaced by NOC ID 775)	AIR 09-706
	708	License to Operate Ventilation of the 241 AY/AZ Tank Farm (Replaced NOC ID 653) (Replaced by NOC ID 782)	AIR 08-908

Obsolete Applicable Requirements

EU ID	NOC ID	Project Title	Permit Number
	714	Installation and Operation of Waste Retrieval Systems in Tanks 241-AZ-101, 241-AZ-102, 241-AY-101, and 241-AY-102.	AIR 06-1064
	775	Categorical Tank Farm Facility Waste Retrieval and Closure: Phase 1- Site Preparation and System Installation) (Replaced NOC ID 702 (Replaced by NOC ID 852)	AIR 10-1015
	647	Guzzler Excavation and Backfilling Activities in Support of the 200 East Area A Farm Complex (Replaced by 774)	AIR 06-1012
	658	Use of the Guzzler™ (Filter Vacuum Truck) Vacuum Excavation System for Radiologically Limited Activities on the Hanford Site. (Replaced by NOC 860)	AIR 08-404
	670	Roof Replacement Activities Involving Radioactive Contamination at Facilities on the Central Plateau (Replaced by NOC 838)	AIR 06-1030
	672	Excavation Activities for the Building of Temporary Construction Facilities and the Main Facilities for the River Protection Project -Waste Treatment Plant (RPP-WTP)	AIR 06-1032
	548	244-CR Vault Isolation and Interim Stabilization (Replaced	AIR 02-1255

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		NOC ID 424) (Replaced by NOC ID 685)	
486			
	792	Tank Farm Decontamination Trailer West (Replaces NOC 695) (Replaced by NOC 857)	AIR 10-1106
	793	Deactivation of 209-E Building (Replaces NOC ID 707)(Replaced by NOC 858)	AIR 10-1021
	795	License to Operate the Retrieval and Disposal Activities for Boxes 80 and 82 for the TRU Waste Retrieval Project	AIR 10-1022
	796	Isolation and Closure of Exhaust Stacks 296-A-25, 296-B-28, 296-S-22 and 296-T-18 (Replaces NOC 697) (Replaced By NOC 859)	AIR 10-1201
	784	244-CR Vault Isolation and Interim Stabilization (Replaced NOC ID 685) (Replaced by NOC ID 853)	AIR 10-1103
	785	Tank Waste Remediation System Vadose Zone Characterization (Replaced NOC ID 635)(Replaced by NOC ID 854)	AIR 10-801
	786	E-525 Double-Shell Tank (DST) Transfer System Modifications Project (Replaced NOC ID 688) (Replaced by NOC ID 855)	AIR 10-904
	788	Installation and Operation of Waste Retrieval Systems in Single -Shell Tank (SST) 241-S-112 (Replaces NOC ID 686)	AIR 10-1202
	791	Tank Farm Decontamination Trailer East(Replaces NOC 695) Replaced by NOC 856)	AIR 10-1105
	719	Operation of the Transuranic Waste Retrieval Project (Replaced by NOC 804)	AIR 07-1012
	743	Decontamination Trailer at the Transuranic Waste Retrieval Project (Replaced by NOC 851)	AIR 09-502
	775	Categorical Tank Farm Facility Waste Retrieval and Closure: Phase 1- Site Preparation and System Installation) (Replaced NOC ID 702 (Replaced by NOC ID 852)	AIR 10-1015
	780	Categorical Tank Farm Facility Waste Retrieval and Closure: Phase II Waste Retrieval Operations (Replaced NOC ID 703) (Replaced by NOC 816)	AIR 10-1104
	782	License to Operate Ventilation of the 241 AY/AZ Tank Farm (Replaced NOC ID 708) (Replaced by NOC 840)	AIR 10-1101
	783	Tank Farm Restoration and Safe Storage (Replaced NOC ID 689) (Replaced by NOC 841)	AIR 10-1102

<u>Obsolete Applicable Requirements</u>

EU ID	NOC ID	Project Title	Permit Number
	711	Consolidated T Plant Operations (Replaced by NOC 830)	AIR 07-306
	713	Operation of the Integrated Disposal Facility (IDF) (Replaced by NOC 848)	AIR 06-1063
	714	Installation and Operation of Waste Retrieval Systems in Tanks 241-AZ-101, 241-AZ-102, 241-AY-101, and 241-AY-102.	AIR 06-1064
	715	Cleaning Radiologically Contaminated Vehicles (Replaced NOC ID 631) (Replaced By NOC ID 849)	AIR 06-1065

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718	Removal of Liquid from Catch Tank 241-ER-311(Replaced by NOC 850)	AIR 08-1106
699	Characterization and Stabilization Activities Involving Radioactive Contamination at Facilities on the Central Plateau	AIR 06-1053
700	Operation of the Transuranic Waste Retrieval Project	AIR 06-1054
702	Categorical Tank Farm Facility Waste Retrieval and Closure: Phase 1 Site Preparation and System Installation (Replaced by NOC ID 775)	AIR 09-706
703	Categorical Tank Farm Facility Waste Retrieval and Closure: Phase II Waste Retrieval Operations (Replaced NOC ID 587)	AIR 09-704
705	Supplemental Treatment Test and Demonstration Facility	AIR 06-1059
708	License to Operate Ventilation of the 241 AY/AZ Tank Farm (Replaced NOC ID 653) (Replaced by NOC ID 782)	AIR 08-908
692	241-AN Tank Farm Installation and Operation of a New Ventilation System (Replaced by NOC 845)	AIR 06-1046
693	241-AW Tank Farm Installation and Operation of a New Ventilation System (Replaced by NOC 846)	AIR 06-1047
694	241-S-102 Installation and Operation of Waste Retrieval Systems (Replaced NOC ID 567)	AIR 09-708
695	Tank Farm Decontamination Trailers (Replaced by NOC 791 and 792)	AIR 06-1049
697	Isolation and Closure of Exhaust Stacks 296-A-25, 296-B-28, 296-S-22 and 296-T-18(Replaced by 796)	AIR 08-1107
698	241-C-200 Series Tanks Retrieval Liquid Pumping and Enhanced	AIR 06-1052
683	Sluicing on Tank 241-C-106 (Replaced NOC ID 540) (Replaced by NOC ID 790)	AIR 06-1038
685	244-CR Vault Isolation and Interim Stabilization (Replaced NOC ID 548) (Replaced by NOC ID 784)	AIR 09-902
686	Installation and Operation of Waste Retrieval Systems in Single -Shell Tank (SST) 241-S-112 (Replaced NOC ID 550) (Replaced by NOC ID 788)	AIR 08-1103
688	E-525 Double-Shell Tank (DST) Transfer System Modifications Project (Replaced NOC ID 555) (Replaced by NOC ID 786)	AIR 08-1104
689	Tank Farm Restoration and Safe Storage (Replaced NOC ID 561) (Replaced by NOC ID 783)	AIR 06-1044
690	Operation of the Liquid Effluent Retention Facility and the 200 Area Effluent Treatment Facility (Replaced NOC ID 562) (Replaced by NOC 822)	AIR 06-1045
670	Roof Replacement Activities Involving Radioactive Contamination at Facilities on the Central Plateau (Replaced by NOC 838)	AIR 06-1030
672	Excavation Activities for the Building of Temporary Construction Facilities and the Main Facilities for the River Protection Project-Waste Treatment Plant (RPP-WTP)	AIR 06-1032
673	Categorical Tank Farm Facility Entry and Surveillance (Replaced by NOC 839)	AIR 06-1033

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Obsolete Applicable Requirements

EU ID	NOC ID	Project Title	Permit Number
	674	Vapor Sampling of Miscellaneous Underground Units (Replaced by NOC 483)	AIR 06-1034
	678	200/600 Areas Facilities Support Decontamination Trailer (Intermittent powered exhaust)(Replaced by NOC 844)	AIR 07-1102
	635	Tank Waste Remediation System Vadose Zone Characterization (Replaced NOC ID 5) (Replaced by NOC ID 785)	AIR 06-1003
	638	Construction and operation of the Waste Receiving and Processing (WRAP) Facility (Replaced NOC ID 23)	AIR 08-802
	648	Operation of the 2706-T Building (replaced by NOC 829)	AIR 06-1013
	655	Transition of the Plutonium Finishing Plant	AIR 06-1020
	683	Liquid Pumping and Enhanced Sluicing on Tank 241-C-106 (Replaced NOC ID 540) (Replaced by NOC ID 790)	AIR 06-1038
	685	244-CR Vault Isolation and Interim Stabilization (Replaced NOC ID 548) (Replaced by NOC ID 784)	AIR 09-902
	703	Categorical Tank Farm Facility Waste Retrieval and Closure: Phase II Waste Retrieval Operations (Replaced NOC ID 587)	AIR 09-704
	780	Categorical Tank Farm Facility Waste Retrieval and Closure: Phase II Waste Retrieval Operations (Replaced NOC ID 703) (Replaced by NOC 816)	AIR 10-1104
	784	244-CR Vault Isolation and Interim Stabilization (Replaced NOC ID 685) (Replaced by NOC ID 853)	AIR 10-1103
503			
	655	Transition of the Plutonium Finishing Plant	AIR 06-1020
504			
	669	Use of Portable Tanks and Revised Source Term Description at Waste Sampling and Characterization Facility (WSCF) (Replaced by NOC 820)	AIR 06-1029
539			
	635	Tank Waste Remediation System Vadose Zone Characterization (Replaced NOC ID 5) (Replaced by NOC ID 785)	AIR 06-1003
	785	Tank Waste Remediation System Vadose Zone Characterization (Replaced NOC ID 635)(Replaced by NOC ID 854)	AIR 10-801
541			
	785	Tank Waste Remediation System Vadose Zone Characterization (Replaced NOC ID 635)(Replaced by NOC ID 854)	AIR 10-801
	635	Tank Waste Remediation System Vadose Zone Characterization (Replaced NOC ID 5) (Replaced by NOC ID 785)	AIR 06-1003
	539	Installation of Breather Filter on Tank 241-C-106	AIR 03-203
713			
	685	244-CR Vault Isolation and Interim Stabilization (Replaced NOC ID 548) (Replaced by NOC ID 784)	AIR 09-902
	784	244-CR Vault Isolation and Interim Stabilization (Replaced NOC ID 685) (Replaced by NOC ID 853)	AIR 10-1103

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714			
	685	244-CR Vault Isolation and Interim Stabilization (Replaced NOC ID 548) (Replaced by NOC ID 784)	AIR 09-902
	784	244-CR Vault Isolation and Interim Stabilization (Replaced NOC ID 685) (Replaced by NOC ID 853)	AIR 10-1103
735			
	706	Operation of New Ventilation Systems in AN and AW Tank Farms NOC 706 replaced NOC 593. NOC 802 replaced NOC 706.	AIR 06-1060
	802	Operation of New Ventilation Systems in AN and AW Tank Farms (Replaced NOC ID 706) (Replaced by NOC ID 809)	AIR 11-404

Obsolete Applicable Requirements

EU ID	NOC ID	Project Title	Permit Number
736			
	706	Operation of New Ventilation Systems in AN and AW Tank Farms. NOC 706 replaced NOC 593. NOC 802 replaced NOC 706	AIR 06-1060
	802	Operation of New Ventilation Systems in AN and AW Tank Farms (Replaced NOC ID 706) (Replaced by NOC ID 809).	AIR 11-404
738			
	697	Isolation and Closure of Exhaust Stacks 296-A-25, 296-B-28, 296-S-22 and 296-T-18(Replaced by 796)	AIR 08-1107
	796	Isolation and Closure of Exhaust Stacks 296-A-25, 296-B-28, 296-S-22 and 296-T-18 (Replaces NOC 697) (Replaced By NOC 859)	AIR 10-1201
740			
	697	Isolation and Closure of Exhaust Stacks 296-A-25, 296-B-28, 296-S-22 and 296-T-18(Replaced by 796)	AIR 08-1107
	796	Isolation and Closure of Exhaust Stacks 296-A25, 296-B-28, 296-S-22 and 296-T-18 (Replaces NOC 697) (Replaced By NOC 859)	AIR 10-1201
742			
	697	Isolation and Closure of Exhaust Stacks 296-A-25, 296-B-28, 296-S-22 and 296-T-18(Replaced by 796	AIR 08-1107
	796	Isolation and Closure of Exhaust Stacks 296-A-25, 296-B-28, 296-S-22 and 296-T-18 (Replaces NOC 697) (Replaced By NOC 859)	AIR 10-1201
744			
	697	Isolation and Closure of Exhaust Stacks 296-A-25, 296-B-28, 296-S-22 and 296-T-18(Replaced by 796)	AIR 08-1107
	796	Isolation and Closure of Exhaust Stacks 296-A-25, 296-B-28, 296-S-22 and 296-T-18 (Replaces NOC 697) (Replaced By NOC 859)	AIR 10-1201
749			
	698	241-C-200 Series Tanks Retrieval	AIR 06-1052
	703	Categorical Tank Farm Facility Waste Retrieval and Closure: Phase II Waste Retrieval Operations (Replaced NOC ID 587)	AIR 09-704
	780	Categorical Tank Farm Facility Waste Retrieval and Closure:	AIR 10-1104

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		Phase II Waste Retrieval Operations (Replaced NOC ID 703) (Replaced by NOC 816)	
751			
	688	E-525 Double-Shell Tank (DST) Transfer System Modifications Project (Replaced NOC ID 555) (Replaced by NOC ID 786)	AIR 08-1104
	786	E-525 Double-Shell Tank (DST) Transfer System Modifications Project (Replaced NOC ID 688) (Replaced by NOC ID 855	AIR 10-904
755			
	700	Operation of the Transuranic Waste Retrieval Project	AIR 06-1054
	719	Operation of the Transuranic Waste Retrieval Project (Replaced by NOC 804)	AIR 07-1012
756			
	700	Operation of the Transuranic Waste Retrieval Project	AIR 06-1054
	719	Operation of the Transuranic Waste Retrieval Project (Replaced by NOC 804)	AIR 07-1012
855			
	706	Operation of New Ventilation Systems in AN and AW Tank Farms NOC 706 replaced NOC 593. NOC 802 replaced NOC 706.	AIR 06-1060

Obsolete Applicable Requirements

EU ID	NOC ID	Project Title	Permit Number
	802	Operation of New Ventilation Systems in AN and AW Tank Farms. (Replaced NOC ID 706)(Replaced by NOC ID 809)	AIR 11-404
856			
	706	Operation of New Ventilation Systems in AN and AW Tank Farms. NOC 706 replaced NOC 593. NOC 802 replaced NOC 706.	AIR 06-1060
	802	Operation of New Ventilation Systems in AN and AW Tank Farms (Replaced NOC ID 706)(Replaced by NOC ID 809)	AIR 11-404
874			
	655	Transition of the Plutonium Finishing Plant	AIR 06-1020
	709	Deactivation of the Plutonium Finishing Plant Complex (Replaced NOC ID 608)	AIR 06-664
878			
	590	Supplemental Treatment Test and Demonstration Facility	AIR 04-1001
	705	Supplemental Treatment Test and Demonstration Facility	AIR 06-1059
885			
	703	Categorical Tank Farm Facility Waste Retrieval and Closure: Phase II Waste Retrieval Operations (Replaced NOC ID 587)	AIR 09-704
	780	Categorical Tank Farm Facility Waste Retrieval and Closure: Phase II Waste Retrieval Operations (Replaced NOC ID 703) (Replaced by NOC 816)	AIR 10-1104
886			
	703	Categorical Tank Farm Facility Waste Retrieval and Closure: Phase II Waste Retrieval Operations (Replaced NOC ID 587)	AIR 09-704
	780	Categorical Tank Farm Facility Waste Retrieval and Closure: Phase II Waste Retrieval Operations (Replaced NOC ID 703) (Replaced by NOC 816)	AIR 10-1104

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891			
	742	Waste Repackaging Outdoors at Cold Vacuum Drying Facility	AIR 08-1019
894			
	659	Installation and Operation of Breather Filter on Tank 241-UX-302A, 241-AZ-154, and 241-U-301B	AIR 06-1022
	739	Installation and Operation of Breather Filters on Miscellaneous Tanks. (Replaced by NOC ID 865)	AIR 08-1014
910			
	718	Removal of Liquid from Catch Tank 241-ER311 (Replaced by NOC 850)	AIR 08-1106
912			
	697	Isolation and Closure of Exhaust Stacks 296-A-25, 296-B-28, 296-S-22 and 296-T-18(Replaced by 796)	AIR 08-1107
	796	Isolation and Closure of Exhaust Stacks 296-A-25, 296-B-28, 296-S-22 and 296-T-18 (Replaces NOC 697) (Replaced By NOC 859)	AIR 10-1201
922			
	697	Isolation and Closure of Exhaust Stacks 296-A-25, 296-B-28, 296-S-22 and 296-T-18(Replaced by 796)	AIR 08-1107
	796	Isolation and Closure of Exhaust Stacks 296-A-25, 296-B-28, 296-S-22 and 296-T-18 (Replaces NOC 697) (Replaced By NOC 859)	AIR 10-1201
959			
	697	Isolation and Closure of Exhaust Stacks 296-A-25, 296-B-28, 296-S-22 and 296-T-18(Replaced by 796)	AIR 08-1107
	796	Isolation and Closure of Exhaust Stacks 296-A-25, 296-B-28, 296-S-22 and 296-T-18 (Replaces NOC 697) (Replaced By NOC 859)	AIR 10-1201

<u>Obsolete Applicable Requirements</u>

EU ID	NOC ID	Project Title	Permit Number
969			
	697	Isolation and Closure of Exhaust Stacks 296-A-25, 296-B-28, 296-S-22 and 296-T-18(Replaced by 796)	AIR 08-1107
	796	Isolation and Closure of Exhaust Stacks 296-A-25, 296-B-28, 296-S-22 and 296-T-18 (Replaces NOC 697) (Replaced By NOC 859)	AIR 10-1201
1128			
	646	Sodium Residuals Reaction/Removal and other Deactivation Work Activities at the Fast Flux Test Facility	AIR 08-1021
	776	Sodium Residuals Reaction/Removal and other Deactivation Work Activities at the Fast Flux Test Facility (Replaced by NOC 833)	AIR 10-412
1129			
	659	Installation and Operation of Breather Filter on Tank 241-UX-302A, 241-AZ-154, and 241-U-301B	AIR 06-1022
	739	Installation and Operation of Breather Filters on Miscellaneous Tanks. (Replaced by NOC ID 865)	AIR 08-1014
1130			

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	659	Installation and Operation of Breather Filter on Tank 241-UX-302A, 241-AZ-154, and 241-U-301B	AIR 06-1022
	739	Installation and Operation of Breather Filters on Miscellaneous Tanks. (Replaced by NOC ID 865)	AIR 08-1014
1176			
	646	Sodium Residuals Reaction/Removal and other Deactivation Work Activities at the Fast Flux Test Facility	AIR 08-1021
	776	Sodium Residuals Reaction/Removal and other Deactivation Work Activities at the Fast Flux Test Facility (Replaced by NOC 833)	AIR 10-412
1181			
	719	Operation of the Transuranic Waste Retrieval Project (Replaced by NOC 804)	AIR 07-1012
1184			
	676	Approval to Construct the Solidification Treatment Unit (STU)	AIR 07-402
1185			
	657	Operation of the 361 Building in Testing Equipment Operability Utilizing Radioxenon and Radon (Replaced by NOC 862)	AIR 08-403
1186			
	678	200/600 Areas Facilities Support Decontamination Trailer (Intermittent powered exhaust)(Replaced by NOC 844)	AIR 07-1102
1187			
	678	200/600 Areas Facilities Support Decontamination Trailer (Intermittent powered exhaust)(Replaced by NOC 844)	AIR 07-1102
1232			
	739	Installation and Operation of Breather Filters on Miscellaneous Tanks. (Replaced by NOC ID 865)	AIR 08-1014
1243			
	743	Decontamination Trailer at the Transuranic Waste Retrieval Project (Replaced by NOC 851)	AIR 09-502
1244			
	743	Decontamination Trailer at the Transuranic Waste Retrieval Project (Replaced by NOC 851)	AIR 09-502
1289			
	791	Tank Farm Decontamination Trailer East(Replaces NOC 695) (Replaced by NOC 856)	AIR 10-1105

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Obsolete Applicable Requirements

EU ID	NOC ID	Project Title	Permit Number
1290			
	792	Tank Farm Decontamination Trailer West (Replaces NOC 695) (Replaced by NOC 857)	AIR 10-1106
1291			
	791	Tank Farm Decontamination Trailer East (Replaces NOC 695) (Replaced by NOC 856)	AIR 10-1105
1292			
	792	Tank Farm Decontamination Trailer West (Replaces NOC 695) (Replaced by NOC 857)	AIR 10-1106
1293			
	780	Categorical Tank Farm Facility Waste Retrieval and Closure: Phase II Waste Retrieval Operations (Replaced NOC ID 703) (Replaced by NOC 816)	AIR 10-1104
1294			
	794	242-A Evaporator Building Exhauster K-1 Upgrade (Replaced by NOC 864)	AIR 10-1204
1322			
	795	License to Operate the Retrieval and Disposal Activities for Boxes 80 and 82 for the TRU Waste Retrieval Project	AIR 10-1022

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Table of Changes from FF-01 12-10-14

Building	Type of Change	Affected Emission Unit	NOC ID/Title	Description of Changes	Date Changed	FF-01 Page Changes	AIR Letter # Authorizing Change
Signature page of the FF-01	Corrected the titles of RCW 70.98, RCW 70.94 and WAC 246-247 to the correct titles. This was done in response to public comment received through the Dept. of Ecology	None		Corrected the titles of RCW 70.98, RCW 70.94 and WAC 246-247 to the correct titles. This was done in response to public comment received through the Dept. of Ecology	8/30/2013	Page 1	
Hanford Site	Enclosure 4 Air Monitoring Stations Updated	Enclosure 4 of the FF-01		Ambient Air Monitors N550, N551, N577 removed. N910 E renamed with the designation N910 S (for south) instead of N910 E (for East) to reflect the relocation.	8/30/2013	Removed enclosure 4, pages 1-3. Replaced with enclosure 4, pages 1-3 footer dated 08/30/2013	AIR 12-1002, AIR 13-202 and e-mail # 3486
WESF	Replacement of NOC	EU 340	NOC 649	Reinserted EU 340, During FF-01 renewal NOC 649 was incorrectly removed.	8/30/2013	Removed EU 340, page 1. Replaced with EU 340, pages 1-3 footer dated 08/30/2013 .	AIR 12-1204
331 Building	Removal of EU	EU 1180	NOC 787	Removed EU 1180. EU closed and no longer an emission source.	8/30/2013	Removed EU 1180, pages 1-24.	AIR 12-505
AY/AZ Tank Farms	Removal of EU	EU 1330	NOC 819, 832	Removed EU 1330. EU closed and not a source of emissions.	8/30/2013	Removed EU 1330, pages 1-2.	AIR 13-516

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Building	Type of Change	Affected Emission Unit	NOC ID/Title	Description of Changes	Date Changed	FF-01 Page Changes	AIR Letter # Authorizing Change
AY/AZ Tank Farms	Removal of EU	EU 1331	NOC 819, 832	Removed EU 1331. EU closed and not a source of emissions.	8/30/2013	Removed EU 1331, pages 1-3.	AIR 13-516
242-A Evaporator	Removal of EU	EU 1294	NOC 864	Removed EU 1294. EU closed, remaining diffuse/fugitive emissions accounted for in EU 486.	8/30/2013	Removed EU 1294, pages 1-3.	AIR 13-607
242-A Evaporator	Removal of EU	EU 141		Removed EU 141. EU closed, remaining diffuse/fugitive emissions accounted for in EU 486.	8/30/2013	Removed EU 141, page 1.	AIR 13-607
ALARACT	Revised ALARACT	ALARACT Revision		Removed ALARACT 02.1 replaced with ALARACT 02.2	8/30/2013	Removed ALARACT 02.1, pages 1-3. Replaced with ALARACT 02.2 pages 1-2, footer dated 08/30/2013.	AIR 13-605
241 AY/AZ Tank Farms	Removed NOC 840 added NOC 901	EU 93	NOC 840 removed, NOC 901 added	NOC 840 replaced with NOC 901	8/30/2013	Removed EU 93, pages 1-7. Replaced EU 93 pages1-8, footer dated 08/30/2013.	AIR 13-707
296-A-19 Annulus Exhauster	Modification of EU	EU 218	NOC 877	Modification of EU 218 from a minor emission source to a major emission source.	8/30/2013	Removed EU 218, page 1. Replaced with EU 218, pages 1-3 footer dated 8-30-2013.	AIR 13-401

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Building	Type of Change	Affected Emission Unit	NOC ID/Title	Description of Changes	Date Changed	FF-01 Page Changes	AIR Letter # Authorizing Change
222-S Laboratory	Replacement of NOC	EU 254	NOC 881	Removed NOC 831, replaced with NOC 881.	8/30/2013	Removed EU 254, pages 1-3. Replaced EU 254 with pages 1-4, footer dated 08/30/2013.	AIR 13-306
200 Area Diffuse and Fugitive	Removal of NOCs and Addition of NOCs	EU 486	Removed NOC 832, 840, 855, 858, 859. Added NOC 863, 879, 898.	Removed NOC 832, 855, 858, 859. Added NOC 863, 879 & 898.	8/30/2013	Removed EU 486, pages 1-100. Replaced with EU 486, pages 1-100 footer dated 08/30/2013.	AIR 13-607, AIR 13-807, AIR-12-1001, AIR-13-807
209-E Criticality Lab	Removal of EU	EU 210	NOC 858	Removed EU 210. EU transitioned to CERCLA regulation.	8/30/2013	Removed EU 210, pages 1-5	AIR 12-510
Decon Trailer (collection tank vents)	Removal of EU	EU 1187	NOC 844	Removed EU 1187. EU has been closed and is no longer a source of emissions.	8/30/2013	Removed EU 1187, Pages 1-2	AIR 13-802
Decon Trailer (intermittent powered Exhaust)	Removal of EU	EU 1186	NOC 844	Removed EU 1186. EU has been closed and is no longer a source of emissions.	8/30/2013	Removed EU 1186, Pages 1-2	AIR 13-802
241-U-301B Breather Filter	Replacement of NOC	EU 1129	NOC 897	Removed NOC 865, Replaced with NOC 897	8/30/2013	Removed EU 1129, pages 1-2. Replaced EU 1129 with pages 1-2 footer dated 08/30/2013.	AIR 13-820

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Building	Type of Change	Affected Emission Unit	NOC ID/Title	Description of Changes	Date Changed	FF-01 Page Changes	AIR Letter # Authorizing Change
241-AZ-154 Breather Filter	Replacement of NOC	EU 1130	NOC 896	Removed NOC 865, Replaced with NOC 896	8/30/2013	Removed EU 1130, pages 1-2. Replaced EU 1130 with pages 1-2 footer dated 08/30/2013.	AIR 13-819
241-UX-302A Breather Filter	Replacement of NOC	EU 894	NOC 895	Removed NOC 865, Replaced with NOC 895	8/30/2013	Removed EU 894, pages 1-2. Replaced EU 894 with pages 1-2 footer dated 08/30/2013.	AIR 13-818
240-S-302 Breather Filter	Replacement of NOC	EU 1232	NOC 894	Removed NOC 865, Replaced with NOC 894	8/30/2013	Removed EU 1232, pages 1-2. Replaced EU 1232 with pages 1-2 footer dated 08/30/2013.	AIR 13-817
244-TX Annulus Breather Filter	Replacement of NOC	EU 969	NOC 889	Removed NOC 859, Replaced with NOC 889	8/30/2013	Removed EU 969, pages 1-2. Replaced EU 969 with pages 1-2 footer dated 08/30/2013.	AIR 13-816
244-S Annulus Breather Filter	Replacement of NOC	EU 959	NOC 888	Removed NOC 859, Replaced with NOC 888	8/30/2013	Removed EU 959, pages 1-2. Replaced EU 959 with pages 1-2 footer dated 08/30/2013.	AIR 13-815

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Building	Type of Change	Affected Emission Unit	NOC ID/Title	Description of Changes	Date Changed	FF-01 Page Changes	AIR Letter # Authorizing Change
244-BX Annulus Breather Filter	Replacement of NOC	EU 922	NOC 887	Removed NOC 859, Replaced with NOC 887	8/30/2013	Removed EU 922, pages 1-3. Replaced EU 922 with pages 1-2 footer dated 08/30/2013.	AIR 13-814
244-A Annulus Breather Filter	Replacement of NOC	EU 912	NOC 886	Removed NOC 859, Replaced with NOC 886	8/30/2013	Removed EU 912, pages 1-4. Replaced EU 912 with pages 1-2 footer dated 08/30/2013.	AIR 13-813
244-TX Primary Breather Filter	Replacement of NOC	EU 744	NOC 885	Removed NOC 859, Replaced with NOC 885	8/30/2013	Removed EU 744 pages 1-3. Replaced EU 744 with pages 1-2 footer dated 08/30/2013.	AIR 13-812
244-S Primary Breather Filter	Replacement of NOC	EU742	NOC 884	Removed NOC 859, Replaced with NOC 884	8/30/2013	Removed EU 742 pages 1-4. Replaced EU 742 pages 1-2 footer dated 8/30/2013.	AIR 13-811
244-BX Primary Breather Filter	Replacement of NOC	EU 740	NOC 883	Removed NOC 859, Replaced with NOC 883	8/30/2013	Removed EU 740, pages 1-4. Replaced EU 740 with pages 1-2 footer dated 08/30/2013.	AIR 13-810

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Building	Type of Change	Affected Emission Unit	NOC ID/Title	Description of Changes	Date Changed	FF-01 Page Changes	AIR Letter # Authorizing Change
244-A Primary Breather Filter	Replacement of NOC	EU 738	NOC 882	Removed NOC 859, Replaced with NOC 882	8/30/2013	Removed EU 738 pages 1-4. Replaced EU 1129 with pages 1-2 footer dated 8/30/2013.	AIR 13-809
Cold Vacuum Drying Facility	Emission Unit Removed from FF-01	EU 436	NOC 836	Emission unit has been removed from FF-01. Emission unit has been transitioned to CERCLA regulation.	9/18/2013	Removed EU 436 pages 1-6.	AIR 13-905
Hanford Sitewide type-1, type-2, type-3	Removed NOC 840	EU 447	NOC 840	Removed NOC 840. NOC 840 contained construction activities associated with EU 93 and are no longer needed.	10/2/2013	Removed EU 447, pages 1-14. Replaced with EU 447, pages 1-12, footer dated 10/02/2013 .	AIR 13-707
Hanford Site W-PORTEX 007	Removed NOC 840	EU 455	NOC 840	Removed NOC 840. NOC 840 contained construction activities associated with EU 93 and are no longer needed.	10/2/2013	Removed EU 455, pages 1-13. Replaced with EU 455, pages 1-9 footer dated 10-2-2013	AIR 13-707
Hanford Sitewide Guzzler-001	Removed NOC 840	EU 476	NOC 840	Removed NOC 840. NOC 840 contained construction activities associated with EU 93 and are no longer needed.	10/2/2013	Removed EU 476, pages 1-25. Replaced with EU 476, pages 1-25 footer dated 10-2-2013	AIR 13-707

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Building	Type of Change	Affected Emission Unit	NOC ID/Title	Description of Changes	Date Changed	FF-01 Page Changes	AIR Letter # Authorizing Change
241-AZ Tank Farm	Replacement of NOC	EU 751	NOC 863	Removed NOC 858. Replaced with NOC 863.	10/2/2013	Removed EU 751, pages 1-5. Replaced with EU 751, pages 1-3 footer dated 10/02/2013	AIR 12-1001
SX Farm Pore Water Extraction Test	New Emission Unit	EU 1391	NOC 904	New NOC 904	10/2/2013	Added EU 1391, pages 1-2 footer dated 10/02/2013	AIR 13-1001
Liquid Effluent Retention Facility (LERF)	Replacement of NOC	EU 146	NOC 911	Removed NOC 822. Replaced with NOC 911. New activitiy added.	12/10/2014	Removed EU 146, pages 1-3 Replaced with EU 146 pages 1-5 footer dated 12-10-2014	AIR 14-302
Liquid Effluent Retention Facility (LERF)	Replacement of NOC	EU 147	NOC 912	Removed NOC 822. Replaced with NOC 912. New activitiy added.	12/10/2014	Removed EU 147, pages 1-3 Replaced with EU 147 pages 1-5 footer dated 12-10-2014	AIR 14-303
Liquid Effluent Retention Facility (LERF)	Replacement of NOC	EU 148	NOC 913	Removed NOC 822. Replaced with NOC 913. New activitiy added.	12/10/2014	Removed EU 148, pages 1-3 Replaced with EU 148 pages 1-5 footer dated 12-10-2014	AIR 14-304
Effluent Treatment Facility (ETF)	Replacement of NOC	EU 301	NOC 905	Removed NOC 822. Replaced with NOC 905. New activitiy added.	12/10/2014	Removed EU 301, pages 1-3 Replaced with EU 301 pages 1-5 footer dated 12/10/2014	AIR 14-305

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Building	Type of Change	Affected Emission Unit	NOC ID/Title	Description of Changes	Date Changed	FF-01 Page Changes	AIR Letter # Authorizing Change
T Plant Complex	Approved removal of abatement controls.	EU 315	NOC 920	Removed NOC 829, Replaced with NOC 920	12/10/2014	Removed EU 315, pages 1-7 Replaced with EU 315 pages 1-8 footer dated 12/10/2014	AIR 14-1001
Waste Encapsulation and Storage Facility (WESF)	Replacement of NOC	EU 340	NOC 649	Clerical error corrected NOC 649	12/10/2014	Removed EU 340, pages 1-2 Replaced with EU 340 pages 1-2 footer dated 12/10/2014	AIR 06-1014 AIR 06-1067 AIR 12-1204
Central Waste complex	Replacement of NOC	EU 439	NOC 922	Removed NOC 654 Replaced with NOC 922. Permacon (EU 461) is still active under NOC 654.	12/10/2014	Removed EU 439, pages 1-6 Replaced with EU 439 pages 1-6, footer dated 12/10/2014	AIR 14-908
200 diffuse/ fugitive emissions	Reinstate NOC	EU 486	NOC 856	Reinstate NOC 856. Mistakenly removed in last revision.	12/10/2014	Removed EU 486, pages 1-97 Replaced with EU 486 pages 1-87 footer dated 12/10/2014	AIR 12-335 AIR 12-343
200 diffuse/ fugitive emissions	Reinstate NOC	EU 486	NOC 857	Reinstate NOC 857. Mistakenly removed in last revision.	12/10/2014	Removed EU 486, pages 1-97 Replaced with EU 486 pages 1-87 footer dated 12/10/2014	AIR 12-336 AIR 12-343
200 diffuse/ fugitive emissions	Replacement of NOC	EU 486	NOC 915	Removed NOC 822, replaced with NOC 915. New activity added.	12/10/2014	Removed EU 486, pages 1-97 Replaced with EU 486 pages 1-87 footer	AIR 14-306

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Building	Type of Change	Affected Emission Unit	NOC ID/Title	Description of Changes	Date Changed	FF-01 Page Changes	AIR Letter # Authorizing Change
						dated 12/10/2014	
200 diffuse/ fugitive emissions	Replacement of EU	EU 486	NOC 932	Removed NOC 879. Replaced with NOC 932	12/10/2014	Removed EU 486, pages 1-97 Replaced with EU 486 pages 1-87 footer dated 12/10/2014	AIR 14-910
200 diffuse/ fugitive emissions	Addition of new activity for 218-E-12B Management of Radiological Contamination at Trench 94	EU 909	NOC 917	Added NOC 917	12/10/2014	Added EU 909 pages 1-6 footer dated 12/10/2014	AIR 14-1008
300 Diffuse/Fugitive Emissions	Replacement of NOC	EU 1185	NOC 921	Removed NOC 862. Replaced with NOC 921. New activity added.	12/10/2014	Removed EU 1185, pages 1-2 Replaced with EU 1185 pages 1-4 footer dated 12/10/2014	AIR 14-509
242-A-Evaporator	Reinstatement of EU	EU 1294	NOC 933	Removed NOC 864. Replaced with NOC 933	12/10/2014	Removed EU 1294, pages 1-3 Replaced with EU 1294 pages 1-3 footer dated 12/10/2014	AIR 14-911
331 LIFE SCI LAB	New Emission Unit	EU 1370	NOC 906	New License. The Operation of EP-331-09-S in the North Wing at the Life Sciences Laboratory (331 Building) issued under NOC 906	12/10/2014	Added EU 1370 pages 1-28 footer dated 12/10/2014	AIR 13-1008

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Building	Type of Change	Affected Emission Unit	NOC ID/Title	Description of Changes	Date Changed	FF-01 Page Changes	AIR Letter # Authorizing Change
Tank Farms	New Emission Unit	EU 1371	NOC 899	New activity. Added NOC 899	12/10/2014	Added EU 1371 pages 1-3 footer dated 12/10/2014	AIR 13-1107
Tank Farms	New Emission Unit	EU 1384	NOC 908	New activity. Added NOC 908	12/10/2014	Added EU 1384 pages 1-3 footer dated 12/10/2014	AIR 13-1106
Tank Farms	New Emission Unit	EU 1406	NOC 914	New activity. Added NOC 914	12/10/2014	Added EU 1406 pages 1-2 footer dated 12/10/2014	AIR 14-301
WSCF	New Emission Unit	EU 62 changed to EU 1419	NOC 820	Change in status from point source to fugitive emission unit.	12/10/2014	EU 1419 to Table 2-1 EU 62 will be removed on next revision of FF-01	Per RAES Managers
ALARACT	Revised ALARACT	ALARACT 02		Removed ALARACT 02.2 replaced with ALARACT 02.3	12/10/2014	Removed ALARACT 02.2, pages 1-2. Replaced with ALARACT 02.3 pages 1-2, footer dated 12/10/2014	AIR 14-611

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7.0 CERCLA APPLICABLE OR RELEVANT AND APPROPRIATE REQUIREMENTS

CERCLA Substantive Requirements -- Applicable or Relevant and Appropriate Requirements

[WAC 246-247-040]

Regulations promulgated under statutory authority other than the FCAA (e.g., RCRA and CERCLA) are not Title V applicable requirements and are not included in the license. In addition, actions taken pursuant to CERCLA are exempt from permitting. However, the actions taken must meet the substantive requirements of applicable or relevant and appropriate requirements (ARARs) (e.g., WAC 246-247-040, ALARACT). Characterization and cleanup activities are being conducted at Hanford pursuant to CERCLA. The characterization and cleanup activities are applying best available radionuclide control technology to control emissions, and emissions are being monitored to ensure that

the offsite dose to the maximally exposed individual is below the applicable standards. The CERCLA decision documents, such as an Action Memo, identify ARARs.

Hanford is required to report all radioactive air emissions (including those resulting from CERCLA actions) to demonstrate compliance with all dose standards (WAC-246-247 and 40CFR61).

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