DOE/RL-2010-98
Revision 0

Remedial Investigation/Feasibility Study for the 100-FR-1, 100-FR-2, 100-FR-3, 100-IU-2, and 100-IU-6 Operable Units

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Appendix B

Annotated Bibliography

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Table B1. Annotated Bibliography

Document ID	Rev./ Draft/ Vol.	Area	Operable Unit/Other	Date	Authors/ Originator	Title	Link	Document Description	Back-ground Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
8901		Hanford Site	Hanford Site	1994 Sept	K.A. Bergstrom	*Ground Penetrating Radar Investigation Conducted in 100 Areas Hanford Sites FY 1992*	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=D196061851	A map showing the location and basic parameters of the ground-penetrating radar (GPR) survey for 100-F Area is located in Appendix F.	D,H	T	Y	A	No	No
14008		100 Area	100 Area	1995 Apr	S.H. Wisness	TPA Change Control Form M-15-95-02B, "100 Area Source OU Milestone Changes "	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=D196024258	Attachment A describes a record of decision (ROD) strategy that leads toward ultimate delisting of the 100 Area National Priorities List (NPL) site. Consistent with the Hanford Past Practice Strategy, the ROD strategy specifies a progression of interim action RODs that, when implemented, will result in substantial completion of 100 Area Remedial Action.	D,P		S		No	No
25445		100-F	100-FR-3	1995 Dec	K.M. Thompson, P.F.X. Dunigan, Jr.	Transmittal of Suggested Wording for 100-FR-3 OU Focus Sheet	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=D197186235	This report includes an attachment; the 100-FR-3 Groundwater Remediation Focus Sheet, that concludes the 100-FR-3 Operable Unit (OU) was evaluated as a candidate for an interim cleanup action. Information gathered on 100-FR-3 groundwater indicates that no interim action to protect human health or the environment is required at this time. This recommendation is based on the U.S. Department of Energy (DOE) retaining control of security and access to the site until final action is taken, thus preventing direct human use of the groundwater. Chromium, the primary contaminant of concern (COC), has been detected in the 100-FR-3 near-river wells, but at levels that are unlikely to cause risk to the environment, including ecological receptors in the river.	D	Z	Y,P		Yes	No
27504		100-F	100-FR-3	1996 Feb	D.L. Powaukee	Comments on 100-FR-3 OU Focused Feasibility Study Report DOE/RL 94-58 Draft B	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=D196042507	Specific comments on the *100-FR-3 OU Focused Feasibility Study Report* (DOE/RL-94-58, Draft B [FFS Report]) from the Nez Perce.	D	T	Y		No	No
31127		100-F	100-FR-3	1996 May	A.C. Tortoso	Response to Comments on 100-FR-3 OU Focused Feasibility Study DOE/RL-94-58, Draft B	http://pdw.hanford.gov/arpir/pdf.cfm?accession=D196119061	The FFS Report for the 100-FR-3 OU should be a comprehensive evaluation of the technologies available for all contaminants of concern for current and future land use scenarios. This report focuses on chromium only. The 100-FR-3 limited field investigation (LFI) and qualitative risk assessment (QRA) reports state that the concentrations of arsenic, chromium, manganese, nitrate/nitrite, trichloroethene (TCE), tritium, and strontium-90 are contaminants that result in an increased carcinogenic risk (> I E-06) and that arsenic, chromium, manganese, and nitrate/nitrite have a hazard quotient of greater than 1 under the frequent-use scenario.	D	Z,E	Y	A,M	YES	YES
34774		100 Area	100 Area	1996 Jul	N. Werdel	Meeting Minutes Unit Managers Meeting Remedial Action and Waste Disposal Unit Source OU May 16, 1996	http://pdw.hanford.gov/arpir/pdf.cfm?accession=D197189148	This document consists of meeting minutes and briefly talks about 100-IU-2 and 100-IU-6 waste sites, along with other sites in the 100 Area.	D				NO	NO
36656		100-BC 100-FR	100-BC-5 100-FR-3	1996 Sept	A.C. Tortoso, G.H. Sanders	TPA Change Control Forms M-15-96-06 and M-15-96-07	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=D196204124	Four modifications to the previous groundwater sampling analysis schedule for the 100-FR-3 OU (100 NPL Agreement/Change Control #39, December 1992) are being made: (1) sampling frequency for most wells is reduced from semiannual to annual; (2) sampling locations are selected on the basis of proximity to the Columbia River, historical trends in each well, and contaminant plume locations; (3) more frequent sampling of wells with contaminant levels that exceed applicable or relevant and appropriate requirements (ARAR) or that show increasing trends is conducted using cost-effective methods; (4) data validation, as performed during the LFI, is not performed for all new data. Modified data verification and validation steps are adopted that improve cost effectiveness without compromising data quality. Data evaluation activities are expanded to enhance the quality of information derived from sampling and analysis activities.	D	Z	Y,P	A,M	No	No

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37390		100 Area	100 Area	1996 Oct	N. Werdel	Meeting Minutes Unit Managers Meeting Remedial Action and Waste Disposal Unit Source OU June 20, 1996	http://pdw.hanford.gov/arpir/pdf.cfm?accession=D196245767	This document consists of meeting minutes and briefly talks about 100-IU-2 and 100-IU-6 waste sites, along with other sites in the 100 Area.	D				NO	NO
37392		100 Area	100 Area	1996 Oct	N. Werdel	Meeting Minutes Unit Managers Meeting Remedial Action and Waste Disposal Unit Source OU February 15, 1996	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=D196245766	This document of unit managers' meeting minutes discussed the upcoming decision to be made concerning how OUs 100-IU-2 and 100-IU-6 will be administered. A suggestion was made that they could be managed outside of *Resource Conservation and Recovery Act of 1976* (RCRA)/*Comprehensive Environmental Response, Compensation, and Liability Act of 1980* (CERCLA) programs as a state-administered action. Concerns were also discussed about the 100 Area Remaining Sites (100-FR-2).	D,P				No	No
37606		100 Area	100 Area	1996 Oct	N. Werdel	Meeting Minutes Unit Managers Meeting Remedial Action and Waste Disposal Unit Source OU July 18, 1996	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=D196245765	This document addressed the joint U.S. Environmental Protection Agency (EPA)/Washington State Department of Ecology (Ecology) letter on the 100 Area Strategy. It was recommended that the 100-IU-2 and 100-IU-6 OUs be addressed through Washington State regulations (e.g., solid waste regulations) rather than CERCLA. The advantages and disadvantages of the regulators' proposal remain to be discussed.	D,P				No	No
38613		100 Area	100 Area	1996 Oct	N. Werdel	Meeting Minutes Unit Managers Meeting Remedial Action and Waste Disposal Unit Source OU September 19, 1996	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=D196245762	This document gives the status for the 100-IU-2 and 100-IU-6 OUs as follows: DOE-RL has proceeded with revisions to the Focus Package agreed upon with EPA during a July 16, 1996, meeting. The document is planned to be finalized in September 1996. DOE-RL has requested EPA to provide a letter concurring that the December 31, 1996, *Hanford Federal Facility Agreement and Consent Order* (Tri-Party Agreement) milestone to submit "planning documents" has been met with the original submittal of the Focus Package to EPA in March 1996. The issue of potential groundwater contamination originating from 100-IU-2 waste sites is mentioned for discussion among agency unit managers.	D,P				No	No
46316		100-BC 100-DR 100-H	100-BC-1 100-DR-1 100-HR-1 100-IU-2 100-IU-5	1997 May	N. Werdel	Meeting Minutes Unit Managers Meeting Remedial Action and Waste Disposal Unit Source OU November 21, 1996	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=D197226586	This document gives the status of the Tri-Party Agreement milestones for 100-IU-2 and 100-IU-6 OUs. In a letter dated November 20, 1996, EPA confirmed that Tri-Party Agreement Milestone M-13-00J for submittal of planning documents necessary to complete the remedial investigation (RI)/feasibility study (FS) process for the 100-IU-2 and 100-IU-6 OUs has been met. Also, the 100-IU-2 and 100-IU-6 Focus Package (Rev. 0) was transmitted to EPA and Ecology by DOE-RL in mid-October 1996. The submittal supports DOE-RL's fulfillment of the requirements of the *Hanford Federal Facility Agreement and Consent Order*.	D,P				No	No
55458		100 AREA	100 AREA	1998 JAN	N. Werdel	Meeting Minutes Unit Managers Meeting Remedial Action and Waste Disposal Unit Source OU November 19-20, 1997	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=D198055909	This document comprising meeting minutes contains information on the 100-F Area Remaining Sites Project; waste site categories (groupings include 100-IU2/IU-6) given in Attachment 7.	D,P				No	No
61539		100-BC 100-F	100-BC-5 100-FR-3	2004 Mar	J.S. Fruchter	Page changes for 100-BC-5 and 100-FR-3 Groundwater Sampling and Analysis Plans	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=D4493327	This letter/document provides attachments with modifications to the 100-BC-5, and 100-FR-3 OU sampling and analysis plan (SAP) (DOE/RL-2003-49). The changes reduce sampling frequency from quarterly to annually in some wells and aquifer tubes.	D,H,P	G,Z	Y,S	A	No	No

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72176		100-BC 100-FR 100-HR 100-KR 100-NR	100-BC-5 100-FR-3 100-HR-3 100-KR-4 100-NR-2	1999 Aug	R.D. Hildebrand	*Recommendations for Selection of Site Wide Groundwater Model at Hanford Site August 1999*	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=D199157935	This report documents the overall recommendations being made by DOE-RL for selection of the Sitewide groundwater model in the initial phase of the consolidation process.	D,H,P	G,Z,C,T	Y,S,X,P	A,M	Yes	Yes
77876		100-F	100-FR-1	2000 Apr	C. Smith, G. Goldberg	Meeting Minutes Unit Managers Meeting 100 Area Remedial Action and Waste Disposal Unit Source OU September 1999	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=D8299916	Attachment 7 of this document contains a table of Remedial Action Waste Sites at 100-F. It shows the sites specified by guidance documents (i.e., ROD) for TPA Milestone M-16-26C and 13B.	D	T			No	No
83363		100-BC 100-FR 100-HR 100-KR	100-BC-5 100-FR-3 100-HR-3 100-KR-4	2000 Oct	A.C. Tortoso	FY 2001 Aquifer Tube Sampling	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=D8509977	This document provides background information about aquifer tube sampling, a summary of the results from previous years, a list of COCs, and the process and procedures for sampling Aquifer Sampling Tubes. Attachment D includes a 100-FR-3 Groundwater Well Aquifer Sampling Tube and Seep List.	D,H,P	G,Z,T	Y,S	A	No	No
96692		100-F	126-F-1	2002 Feb	W.S. Thompson, P.G. Doctor, J.J. Kious	Meeting Minutes Unit Managers Meeting 100 Area Remedial Action and Waste Disposal Unit Source OU November 2001	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=D9003799	These minutes contain Attachment D: *Sampling and Analysis Instruction for Confirmatory Sampling of the Southern Portion of the 126-F-1 Ash Pit* (BHI-01522, Rev. 1).	D,H	G,T	Y,S	A	Yes	No
107312		100-BC 100-FR 100-HR 100-KR 100-NR	100-BC-5 100-FR-3 100-HR-3 100-KR-4 100-NR-2	2003 Apr	A. Tortoso, D.C. Smith	Meeting Minutes Unit Managers Meeting 100 Area Remedial Action and Waste Disposal Unit Source OU March 27, 2003	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=D1503270	This report briefly covers 100-F areas for remediation/treatment. Attachment 8 cites 100-F-19:2 cleanup verification package (CVP) waste site additions 100-F-29 Animal Farm Process Sewer Pipelines and UPR-100-F Animal Farm Process Sewer Overflow.	D	G,T	Y		No	No
110816	Rev. 0	100-BC 100-FR 100-HR 100-KR 100-NR	100-BC-5 100-FR-3 100-HR-3 100-KR-4 100-NR-2	2004 Jan	A. Tortoso, D.C. Smith	Meeting Minutes Unit Managers Meeting 100 Area Remedial Action Unit Source OU December 4, 2003	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=D4174013	This report gives the general status of 100-F Area and discusses aquifer tube replacements in 100-FR-3. Revegetation work was started on the borrow site. DOE is transmitting the 100-F Burial Grounds and remaining sites Air Monitoring Pan information concerning the sampling process design, along with the requirements for sample collection and sample handling. Custody, preservation, containers, and holding times are included.	D,H,P	G,Z,T	Y,S,P	A	Yes	No
112384		100-BC 100-FR 100-HR 100-KR 100-NR	100-BC-5 100-FR-3 100-HR-3 100-KR-4 100-NR-2	2004 Feb	A. Tortoso, D.C. Smith	Meeting Minutes Unit Managers Meeting 100 Area Remedial Action Unit Source OU January 22, 2004	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=D4261069	This report gives the general and design/procurement status of several 100-F areas: 100-F, 100-F-2, 100-F-19, 100-FR-3 and a Waste Information Data System (WIDS) site CVP closeout summary table is provided.		G,Z,T	Y		No	No
114449		100 Area	100 Area	2004 Jun	A.C. Tortoso, D.C. Smith	Meeting Minutes Unit Managers Meeting 100 Area Remedial Action Unit Source OU February 26, 2004	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=D5382792	This document contains summary information on sampling frequency for the 100-FR-3 aquifer tubes and contaminant trends in the 100-F Area.	D,H	G,Z,T	Y	A,M	No	No
114763		100-BC 100-FR 100-HR 100-KR 100-NR	100-BC-5 100-FR-3 100-HR-3 100-KR-4 100-NR-2	2004 Jun	A.C. Tortoso, D.C. Smith	Meeting minutes Unit Managers Meeting 100 Area Remedial Action Unit Source OU March 25, 2004	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=D5384556	This report gives the general and design/procurement status of several 100-F Areas: 100-F, 116-F, 128-F-2, 100-F-39, 116-F-16.		G,Z,T	Y	A	No	No

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119468		100-BC 100-FR 100-HR 100-KR 100-NR	100-BC-5 100-FR-3 100-HR-3 100-KR-4 100-NR-2	2005 Jan	A.C. Tortoso, D.C. Smith	Meeting Minutes Unit Managers Meeting 100 Area Remedial Action Unit Source OU June 24, 2004	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=D7508481	This report briefly covers the remedial action updates and general status of the 100-F Area.	D,P	P,G,Z	Y,X	A	No	No
119566		100 AREA	100-IU-2 100-IU-6 100-F	2005 Mar	K.M. Thompson	Meeting Minutes Unit Managers Meeting 100 Area Remedial Action Unit Source OU October 28, 2004	http://pdw.hanford.gov/arpir/pdf.cfm?accession=D7605618	This document contains information about the 100-F and 100-IU-2/IU-6 Area design and assessment activities. 100-IU-2 and 100-IU-6 Remaining Sites remedial design was initiated in October 2004. Based on observations made during the waste sites walkdown, the sites will require remediation. EPA agreed that the recent "Remaining Sites ROD Explanation of Significant Difference" (ESD) authorizes remediation.	D,P		Y	A	NO	NO
119567		100-BC 100-FR 100-HR 100-KR 100-NR	100-BC-5 100-FR-3 100-HR-3 100-KR-4 100-NR-2	2005 Mar	D.C. Smith, K.M. Thompson	Meeting Minutes Unit Managers Meeting 100 Area Remedial Action Unit Source OU July 22, 2004	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=D7605663	This report covers briefly the remedial action updates and general status of 100-F Area.		G,Z,T			No	No
123823		100-BC100-FR100-HR100-KR100-NR	100-BC-5100-FR-3100-HR-3100-KR-4100-NR-2	2005 Aug	D.C. Smith, K.M. Thompson	Meeting minutes Unit Managers Meeting 100 Area Remedial Action Unit Source OU May 26, 2005	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=DA01163285	This report covers the remedial action updates and general status of 100-F Area.	P	G,Z,T	Y,S,X,P	A,M	Yes	Yes
128828		100-BC 100-FR 100-HR 100-KR 100-NR	100-BC-5 100-FR-3 100-HR-3 100-KR-4 100-NR-2	2006 Jun	K.M. Thompson	Meeting minutes Unit Managers Meeting 100 Area Groundwater and Remedial Action and Source OU April 28, 2005	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=DA03629435	This report covers the general status of 100-F Area, groundwater monitoring, 182-F Reservoir update, remaining sites sampling efforts, and orphan site evaluation. The *Air Monitoring Plan Addendum for the 100-F Area Burial Grounds and Remaining Sites Remedial Action* (May 2005); "Potential to Emit Values for the 100-F Remaining Sites" table is also included.	D,P	G,Z	Y,S,X,P	A,M	Yes	Yes
128829		100-BC 100-FR 100-HR 100-KR 100-NR	100-BC-5 100-FR-3 100-HR-3 100-KR-4 100-NR-2	2006 Jul	K.M. Thompson	Meeting Minutes Unit Managers Meeting 100 Area Groundwater and Source OU and Facility Demolition March 24, 2005	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=DA03629392	This report covers the groundwater status for area 100-FR locations and information concerning the air monitoring of 100-F Area, the remaining sites sampling efforts status, design status, and orphan site evaluation.	D,P	G,Z,T	Y,S,X,P	A,M	Yes	Yes
129616		100-F	100-F-26:2	2006 Aug	K.D. Bazzell	Meeting minutes Unit Managers Meeting 100 Area 300 Area Groundwater and Remedial Action Unit and Source OU July 13, 2006	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=DA04278503	Document contains information concerning process lines and sewers, subsites 100-F-26:2 and fact that 100-F is a downstream production reactor. Effluent is briefly discussed.	D	G,Z	Y		No	No
136177		100-BC 100-FR 100-HR 100-KR 100-NR	100-BC-5 100-FR-3 100-HR-3 100-KR-4 100-NR-2	2007 Oct	S. Charboneau, B. Charboneau	Meeting minutes Unit Managers Meeting 100 Area 300 Area Groundwater Source OU Facility [D4 and ISS] and Mission Completion September 13, 2007	http://pdw.hanford.gov/arpir/index.cfm/docDetail?accession=DA06040448	Includes Air Monitoring Plan for the 100-F Area Burial Grounds in Attachment 11.	D,P	G,Z,E,T	Y,S,X	A,M	Yes	No

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136761		100-F	100-FR-3	2007 Nov	S. Charboneau, B. Charboneau	Meeting minutes Unit Managers Meeting 100 Area 399 Area Groundwater, Source OU Facility [D4 and ISS] and Mission Completion October 11, 2007	http://pdw.hanford.gov/arpir/index.cfm/docDetail?accession=DA06144006	This document contains a Backfill Concurrence Checklist; RESidual RADioactivity (RESRAD) calculations for 100-F-8; and details for sculpin and sediment sampling.	D,H	G	Y	A	Yes	No
153969	Rev. 1	100 Area, 300 Area	100 Area, 300 Area, 100-IU-2, 100-IU-6	2010 Oct	M.S. French, B.L. Charboneau	Meeting Minutes Unit Managers Meeting 100 Area 300 Area Groundwater Source Operable Units Facility Deactivation Decontamination Decommission and Demolition D4 Interim Safe Storage ISS and Mission Completion September 9, 2010	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=10102201060	Attachment 1 provides status and information for groundwater. Attachment 2 provides a schedule and map showing the status of remediation at 100-IU-2 and 100-IU-6. No issues were identified and no action items were documented.	D,H,P	G,Z,T	Y,S,X,P	A,M	Yes	Yes
2004096		100-IU-6	100-IU-6	2004 Aug	D.C. Smith, L.E. Gadbois	Waste Site Reclassification Form 100-IU-6 600-208	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=D6054273	The 600-208 site, known as the Hanford Construction Camp Boiler House Ponds, is located within the 100-IU-6 OU. Eighteen semipermanent boiler houses were erected, each with an associated pond. Boiler water discharge was generated to remove scale (i.e., calcium carbonate, magnesium carbonate) buildup in the steam-generation water and discharged to the ground, hence WIDS has termed these discharges as “ponds.” Historical knowledge indicates that no hazardous chemicals were used in the process and the boiler water discharge would not be hazardous or present a risk to human health or the environment. The No Action decision for the 600-208 site is supported, based on reviews of the processes associated with steam boilers, site history, field observations, and geophysical surveys.	D,H,P	T			Yes	No
9106086		100-F	100-FR-1, 108-F	1996 Jul	R.A. Harris	*Characterization Plan for 108-F Biological Laboratory*	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=D197234605	This characterization plan describes the sample collection and sample analysis activities to characterize the 108-F Biological Laboratory.	D,H		Y	A	No	No
9203148		100-F	100-FR-1100-FR-3	1992 Jun	P.S. Innis	100-FR-1 and 100-FR-3 OU work plans	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=D196103637	The work plans are comprehensive technical documents that establish the objectives, procedures, tasks, and schedule for conducting the CERCLA RI/FSs for all OUs on the Hanford Site. The enclosed report gives an overview of the process by which these investigations are completed. The 100-FR-1 OU Work Plan covers the objectives, procedures, tasks, and schedule for the investigation of the source OUs, including the ancillary facilities and unplanned release sites associated with reactor operations. The 100-FR-3 OU Work Plan covers the objectives, procedures, tasks, and schedule for investigating the groundwater underlying and potentially affected by the entire 100-F Area.	D,H,P	G,Z,E,T	Y,S,X	A	Yes	Yes
9203153		100-F	100-FR-1; 108-F	1997 Apr	DOE-RL	*Remedial Design Report for 108-F Biological Laboratory*	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=D197225312	The purpose of this remedial design report (RDR) is to establish the methods of demolition and decommissioning and the supporting functions associated with facility removal and disposal.	D,H,T	T	Y,S	A	No	Yes
9301504	Draft A	100-F	105-F	1998 Jul	DOE-RL	*Removal Action Report for 105-DR and 105-F Building Interim Safe Storage Projects and Ancillary Building*	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=D198178907	This document is the removal action report (RAR) for the 105-DR and 105-F Reactor Buildings and ancillary facilities. This RAR supports implementation of the non-time-critical removal action.	D,H,P	G,Z,E,T	Y,S	A,M	Yes	Yes

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9304743		100-F	100-FR-3	1993 Jun	S.H. Wisness	"Validated Data for 100-FR-3 OU Limited Field Investigation Validated Soil Sample Laboratory Analysis"	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=D196105879	This correspondence letter contains a map of the 100-F Area showing locations for existing well, CERCLA well, liquid/sludge, disposal site, and solid waste.	D	T	Y		No	No
9307448	Draft A	618-11	300-IU-1	1993 Sept	DOE-RL	Regulatory Comments on 618-11 Burial Ground ERA Proposal DOE/RL-93-49 Draft A	http://pdw.hanford.gov/arpir/pdf.cfm?accession=D196107768	The document provides only limited information on the extent of soil and groundwater contamination at the 618-11 burial ground. Historical records indicate that significant quantities of high-activity and transuranic wastes are disposed of at this burial ground. Some of the burial ground wastes were placed inside waste packages that would often break open when dropped into the waste storage area directly on top of the soil. The depth to groundwater at this area is estimated to be 18 m (60 ft). Soil and groundwater may be contaminated here. There are, however, no monitoring wells adjacent to the 618-11 Burial Ground.	D,H,P	G,Z	Y		NO	YES
20030577		100-F	100-FR-2	1995 Jun	DOE-RL	*Approach and Plan for Cleanup Actions in 100-FR-2 OU Hanford Site*	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=D196007371	This focus package describes the new approach and activities needed to reach a decision on cleanup actions for the 100-FR-2 OU. It includes a summary of 100-F Area information, a list of waste sites in the 100-FR-2 OU, a summary of proposed work, and a schedule.	D,H	T	Y		No	No
20040227	Appendix L; Draft A	100-F	100-FR-2	1995 Aug	DOE-RL	*100 Area Source OU Focused Feasibility Study 100-FR-2 OU*, Appendix L	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=D196006750	This 100-FR-2 FFS evaluates the remedial alternatives for interim action at nine IRM candidate waste sites within the 100-FR-2 Source OU, and provides the information needed for the timely selection of the most appropriate interim action at each waste site.	D,H,P	G,Z,C,E, T	Y,S	A,M	Yes	Yes
20041020		Hanford Site	Hanford Site	1995 Sept	C.E. Cushing; DOE-RL	*Hanford Site National Environmental Policy Act (NEPA) Characterization*	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=D196042568	This document is the seventh revision of the Hanford Site NEPA characterization and presents environmental data regarding the Hanford Site and its immediate environs. This information is intended for use in preparing site-related NEPA documentation.	D,H,P	G,Z,C,E, T	Y,S,X,P	A,M	Yes	Yes
20041213		100-F	100-FR-1; 100-FR-3	1995 Sept	DOE-RL	*Limited Field Investigation Report for 100-FR-1 OU*	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=D196005401	This LFI report summarizes the data collection and analysis activities conducted during the 100-FR-1 Source OU LFI and the associated QRA.	D,H,P	G,Z,T	Y,S	A,M	Yes	Yes
BHI-00028	Rev. 0	100 Area	100 Area	1994 Aug	J.G. Field, R.D. Belden	*100 Area Pilot Scale Soil Washing Test Alternatives and Recommendations*	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=D196065370	Report about soil washing, a potential remedial alternative for reducing soil waste volumes in selected locations within the 100 Areas. This engineering study includes an evaluation of alternatives for 100 Area soil washing treatability studies to transport, store, process, and dispose of soils from four sites at Hanford.	D,P	G	Y,X		Yes	Yes
TPA-CN-241		100-F	100-FR-3	2008 Dec	B.L. Charboneau, R.A. Lobos	Change Notice For Modifying Approved Documents/Workplans in accordance with the TRP Action Plan Section 9.0 Documentation and Records 100-FR-3 Operable Unit Sampling and Analysis Plan DOE/RL-2003-49 Rev 1 and TPA-CN-228 (July 14, 2008)	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=0902180687	Identifies changes in the sampling frequency of five wells from annual to biennial. Strontium-90 is to be added to one well. Table A.1 provides justification for each change. The table also explains the purpose of each monitoring well. Aquifer tubes are being removed from the 100-FR-3 SAP to eliminate overlap and potential conflict with a separate SAP for Hanford Site aquifer tubes.	D,P	G,Z			No	No
01-ERD-011		100-F	100-FR-3	2000 Nov	A.C. Tortoso	FY 2001 Aquifer Tube Sampling Data Project Manager Meeting Minutes October 2000	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=D8532456	This document contains the 100-FR-3 aquifer tube and seep list. It also contains sampling methods.	D	Z	Y,S		No	No

Table B1. Annotated Bibliography

Document ID	Rev./ Draft/ Vol.	Area	Operable Unit/Other	Date	Authors/ Originator	Title	Link	Document Description	Back-ground Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
01-ERD-084		100-F	UPR 100-F-2	2001 May	O.C. Robertson	"Near Shore Waste Site Remediation at 100-F Area Hanford Site"	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=D8787262	This letter describes the UPR-100-F-2 excavation near the Columbia River.	D	T			No	No
02-ERD-0068		100-F	100-FR-1 100-FR-2	2002 May	M. McCormick DOE-RL	*Air Monitoring Plan for 100-F Area Burial Grounds Test Pitting Trenching Activities*	http://pdw.hanford.gov/arpir/pdf.cfm?accession=D9045601	Intrusive characterization activities that have the potential to emit radioactive emissions are part of burial ground characterization activities planned for the 100-F Area. This activity has been identified as a CERCLA program activity (DOE-RL 2000). Quantification of radioactive emissions, implementing best available radionuclide control technology (BARCT), and air monitoring have been identified as substantive requirements. This plan represents compliance with those requirements.	D		Y,X		NO	NO
02-ERD-029		100-F	116-F-1	2001 Dec	Owen C. Robertson	"Waste Site Remediation at 100-F Area Hanford Site"	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=D8930475	This letter discusses the remediation of the 116-F-1 waste site, which lies in the 100-F Area and is known as the Lewis Canal.	D,H	G,T	S		No	No
04-FTD-0005		100-F	100-FR-2	2003 Nov	H.E. Bilson DOE-RL	*Air Monitoring Plan for 100-F Area Burial Grounds and Remaining Sites Remedial Action*	http://pdw.hanford.gov/arpir/pdf.cfm?accession=D3522370	Remedial action of the burial grounds and remaining sites in the 100-F Area has the potential to emit radioactive particulates. Quantification of radioactive emissions, implementation of BARCT, and air monitoring have been identified as substantive requirements (i.e., ARARs) for the remedial action. A BARCT compliance demonstration is determined by the regulatory agency on a case-by-case basis.	D,P		Y,X	A	NO	NO
05-AMRC-0112		100-F	100-FR-1	2005 Jan	L. Erickson DOE-RL	"Transmittal of Waste Site Reclassification Form and Supporting Draft A Documentation for 100-F-7 Site"	http://pdw.hanford.gov/arpir/pdf.cfm?accession=D7243666	The 100-F-7 Underground Fuel Tank site meets the remedial action objectives (RAO) specified in the Remaining Sites ROD (EPA/ROD/R10-99/039). The results demonstrate that residual soil concentrations support future land uses that can be represented by a rural residential scenario. The results also demonstrate that residual contaminant concentrations support unrestricted future use of shallow zone soil and contaminant levels remaining in the soil are protective of groundwater and the Columbia River. This site does not have a deep zone; therefore, no institutional controls are required. The basis for reclassification is described in detail in the *Remaining Sites Verification Package for the 100-F-7 Underground Fuel Tank for the 1705-F Building*.	D,P	Z	Y	A	YES	NO
05-AMRC-0122	DRAFT A	100-F	100-FR-1	2005 Jan	L. Erickson DOE-RL	"Transmittal of Waste Site Reclassification Form and Supporting Draft A Documentation for 100-F-9 100-F-18 and 118-F-4 Sites"	http://pdw.hanford.gov/arpir/pdf.cfm?accession=D7243822	Enclosed in one document are Draft A copies of Waste Site Reclassification Form (WSRF) No. 2004-125, and supporting *Remaining Sites Verification Package for the 100-F-9 French Drain* (Attachment 1), WSRF No. 2004-137, and supporting *Remaining Sites Verification Package for the 100-F-18 Condensate Drain Field and Underground Tank* (Attachment 2), and WSRF No. 2004-129, and supporting *Remaining Sites Verification Package for the 118-F-4 115-F Pit* (Attachment 3). This report demonstrates that the 100-F-9 French Drain site 100-F-18 meets the objectives for No Action, and 118-F-4 site meets the objectives for Interim Closure.	D,H,P	Z	Y,X	A	YES	NO
05-AMRC-0129		100-F	100-FR-1	2005 Feb	L. Erickson DOE-RL	"Transmittal of Waste Site Reclassification Form and Supporting Draft A Documentation for 116-F-7 Site "	http://pdw.hanford.gov/arpir/pdf.cfm?accession=D7293384	This report demonstrates that the 116-F-7 Seal Pit Water Crib site meets the objectives for interim closure. This report also shows that site soil contaminant concentrations support future land uses that can be represented by a rural residential scenario and that contaminant levels remaining in the soil are protective of groundwater and the Columbia River.	D,P	G,Z	Y	A	YES	NO
05-AMRC-0144	DRAFT A	100-F	100-FR-1	2005 Feb	L. Erickson DOE-RL	"Transmittal of Waste Site Reclassification Form and Supporting Draft A Documentation for 100-F-12 Site "	http://pdw.hanford.gov/arpir/pdf.cfm?accession=D7300394	This report demonstrates that the 100-F-12 French Drain site meets the objectives for No Action. This report also shows that site soil contaminant concentrations for the 100-F-12 French Drain Waste site support future land uses that can be represented by a rural residential scenario and that contaminant levels remaining in the soil are protective of groundwater and the Columbia River. The site does not have a deep zone; therefore, no deep zone institutional controls are required.	D,P	G,Z	Y	A	YES	NO

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Document ID	Rev./ Draft/ Vol.	Area	Operable Unit/Other	Date	Authors/ Originator	Title	Link	Document Description	Back-ground Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
05-AMRC-0316		100-IU-2 100-IU-6	100-IU-2 100-IU-6	2005 Jun	L. Erickson	*Air Monitoring Plan for 100-IU-2 and 100-IU-6 Remaining Sites*	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=DA451338	Remedial action work scope for the removal and disposal of waste material and associated soil and debris from remaining waste sites located in the 100-IU-2 and 100-IU-6 OUs. The remedial action operations include characterizing, excavating, sorting, size-reducing, stockpiling, treating (if necessary), decontaminating, containerizing, staging, loading, and transporting materials from the waste sites. Includes two maps on the air monitoring sites and one of a site overview.	D,H,P	E,T	Y		No	No
06-AMRC-0045		100-IU-2 100-IU-6	100-IU-2 100-IU-6	2005 Nov	D.T. Evans	*Remediation of 600-202 Waste Site on Hanford Site*	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=DA01376449	This document is a letter of notification by DOE-RL regarding the planned remediation of the 600-202 waste site deemed as a required action to protect human health and the environment by EPA. This report contains two maps of the area.	D,H,P	E,T			No	No
06-AMRC-0048		100-F	100-FR-1 100-FR-2	2005 Nov	D.T. Evans DOE-RL	*Air Monitoring Plan Addendum for 100-5 Area Burial Grounds and Remaining Sites October 2005*	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=DA01561791	Attached is an addendum, dated October 2005, for specific revisions to portions of the *100-F Area Burial Grounds and Remaining Sites Air Monitoring Plan* (AMP), a chart of potential-to-emit values for the 100-F Area Burial Grounds.	D		Y		NO	NO
08-AMRC-0142		100-F	100-FR-1	2008 Mar	DOE-RL	"Transmittal of Approved Waste Site Reclassification Form and Supporting Documentation for 100-F-26:14 116-F-5 Influent Pipelines Revision 0"	http://pdw.hanford.gov/arpir/pdf.cfm?accession=DA06940881	The 100-F-26:14 116-F-5 Influent Pipelines waste site confirmatory sample results demonstrate that the site achieves the RAOs and remedial action goals (RAG). The results demonstrate that residual contaminant concentrations support unrestricted future use of shallow-zone soil and that contaminant levels remaining in the soil are protective of groundwater and the Columbia River. Site contamination did not extend into the deep-zone soils; therefore, institutional controls to prevent uncontrolled drilling or excavation into the deep zone are not required.	D,P	E	Y,X	A	NO	NO
08-AMRC-0143	Rev. 0	100-F	100-FR-3	2008 May	J.R. Franco	"Transmittal of Approved Waste Site Reclassification Form 2005-011 and Supporting Documentation for 100-F-26:13 108-F Drain Pipelines Rev 0 Operable Unit 100-FR-1"	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=DA06973930	Confirmatory evaluation, remediation, and verification sampling results for a reclassification of the 100-F-26:13 waste site to Interim Closed Out. The site conditions achieve the RAOs and goals established in the Remaining Sites ROD (EPA/ROD/R10-99/039). Contaminant concentrations do not preclude any future uses and allow for unrestricted use of shallow-zone soil. The results also demonstrate that residual contaminant concentrations are protective of groundwater and the Columbia River.	D,H,P	G,T,Z	E,T,Y,S	A,M	Yes	No
08-AMRC-0145	Rev. 0	100-F	100-FR-1	2008 Mar	J.R. Franco DOE-RL	"Transmittal of Approved Cleanup Verification Package for 118-F-8:4 Fuel Storage Basin West Side Adjacent and Side Slope Soils CVP-2007-00004 Rev 0"	http://pdw.hanford.gov/arpir/pdf.cfm?accession=0804030111	CVP documenting completion of remedial action, sampling activities, and compliance with cleanup criteria for the 118-F-8:4 Fuel Storage Basin West Side Adjacent and Side Slope Soils. In accordance with this evaluation, the verification sampling and modeling results support a reclassification of this site to Interim Closed Out. The current site conditions achieve the RAOs established in the action memorandum. The results show that residual contaminant concentrations do not preclude any future uses and allow for unrestricted use of shallow-zone soils.	D,P	E	Y,X	A	NO	NO
08-AMRC-0175		100-F	100-FR-1	2008 May	J.R. Franco DOE-RL	"Transmittal of Approved Waste Site Reclassification Form and Supporting Documentation for the 100-F-54 Animal Farm Pastures"	http://pdw.hanford.gov/arpir/pdf.cfm?accession=0805130109	This report demonstrates that the 100-F-54 waste site meets the objectives for No Action. The results of confirmatory sampling show that residual contaminant concentrations do not preclude any future uses and allow for unrestricted use of shallow-zone soils. The results also demonstrate that residual contaminant concentrations are protective of groundwater and the Columbia River. Site contamination did not extend into the deep-zone soils; therefore, institutional controls to prevent uncontrolled drilling or excavation into the deep zone are not required.	D,H,P	E,G,Z	Y,S,X	A,M	Yes	No

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Document ID	Rev./ Draft/ Vol.	Area	Operable Unit/Other	Date	Authors/ Originator	Title	Link	Document Description	Back-ground Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
08-AMRC-0199	REV. 0	100-F	100-FR-1	2008 Jun	M.S. French DOE/RL	"Transmittal of Approved Remaining Sites Verification Package for the 100-F-44:2 Discovery Pipeline Near 108-F Building Revision 0"	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=0806240069	The sample results for the 100-F-44:2 subsite demonstrate that the site achieves the RAOs and RAGs. These results show that residual soil concentrations support future land uses that can be represented by a rural residential scenario. The results also demonstrate that residual contaminant concentrations support unrestricted future use of shallow-zone soil and that contaminant levels remaining in the soil are protective of groundwater and the Columbia River. Site contamination did not extend into the deep-zone soils; therefore, institutional controls to prevent uncontrolled drilling or excavation into the deep zone are not required.	D,P	E	Y,X	A	NO	NO
08-AMRC-0200	DRAFT A	618-10 618-11	IU-2, IU-6	2008 Jun	DOE-RL	"Transmittal of Sampling and Analysis Plan for 618-10 and 618-11 Nonintrusive Sampling DOE/RL-2008-27, Draft A"	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=0806260025	This SAP directs nonintrusive characterization activities that will be performed at the 618-10 and 618-11 Burial Grounds in the 600 Area. The characterization activities prescribed will provide data needed for planning future intrusive characterization activities (if required), and/or remediation strategies for the vertical pipe units (VPU), caissons, and trenches located in these burial grounds. Planning for intrusive characterization and/or remediation requires additional understanding of the quantity and condition of the material deposited in these burial grounds.	D,H,P	G,E	Y,S,X	A	YES	No
08-AMRC-0204		100-IU-2	100-IU-2	2008 Jun	DOE-RL	"Transmittal of 100-IU-2 and 100-IU-6 Orphan Site Evaluation Report ORS 2008-0001, Draft A," for review	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=DA07391100	This report summarizes the approach and results from the orphan sites evaluations of the Hanford Site 100-IU-2 and 100-IU-6 areas conducted between October 2006 and October 2007. The orphan sites evaluation process is a systematic approach to reviewing land parcels and identify potential waste sites in the River Corridor that are not currently listed in existing CERCLA decision documents (e.g., documents, drawings, maps, and photographs), field investigations, and geophysical surveys.	D,H,P	G,Z,T	Y,S,X	A,M	Yes	No
08-AMRC-0219	REV. 0	100-F	100-FR-1	2008 Aug	M.S. French DOE-RL	"Transmittal of Approved Remaining Sites Verification Package for the 100-F-52 146 FR Radioecology and Aquatic Biology Laboratory Soil Revision 0"	http://pdw.hanford.gov/arpir/pdf.cfm?accession=0808180170	The 100-F-52, 146-FR Radioecology and Aquatic Biology Laboratory waste site confirmatory sample results demonstrate that the site achieves the RAOs and RAGs. The results demonstrate that residual contaminant concentrations support unrestricted future use of shallow-zone soil and that contaminant levels remaining in the soil are protective of groundwater and the Columbia River. Site contamination did not extend into the deep-zone soils; therefore, institutional controls to prevent uncontrolled drilling or excavation into the deep zone are not required.	D,P	E	Y,X	A	NO	NO
08-AMRC-0229	REV. 0	100-F	100-FR-1	2008 Oct	M.S. French DOE-RL	"Transmittal of Approved Remaining Sites Verification Package for 100-F-46 119-F Stack Sampling French Drain Revision 0"	http://pdw.hanford.gov/arpir/pdf.cfm?accession=0809170997	The 100-F-46, 119-F Stack Sampling French Drain, site confirmatory sample results demonstrate that the site achieves the RAOs and RAGs. These results show that residual soil concentrations support future land uses that can be represented by a rural residential scenario. The results also demonstrate that residual contaminant concentrations support unrestricted future use of shallow-zone soil and that contaminant levels remaining in the soil are protective of groundwater and the Columbia River. Site contamination did not extend into the deep-zone soils; therefore, institutional controls to prevent uncontrolled drilling or excavation into the deep zone are not required.	D,P	E	Y,X	A	NO	NO
09-AMCP-0015		100-F	100-IU-2, 100-IU-6	2008 Oct	DOE-RL	*Statement of Dispute Regarding Disapproval of Hanford Federal Facility Agreement And Consent Order (Tri-Party Agreement) Change Form M-16-08-06 Extension of M-016-56 for Interim Remedial Actions at 100-IU-2 and 100-IU-6*	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=0810240400	Correspondence documenting milestone change request to extend period for cleanup of 100-IU-2 and 100-IU-6 waste sites. Report contains attachments: "Summary of Events on the Historical Properties Process At 100-IU-2 and 100-IU-6," and "Chronology of Events for the 100-IU-2/6 Milestone (M-016-56)."	D,H,P	Z			No	No

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Document ID	Rev./ Draft/ Vol.	Area	Operable Unit/Other	Date	Authors/ Originator	Title	Link	Document Description	Back-ground Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
09-AMRC-0004	REV. 0	100-F	100-FR-1	2008 Oct	M.S. French DOE-RL	"Transmittal of Approved Remaining Sites Verification Package for the 100-F-44:4 Discovery Pipeline in Silica Gel Pit Waste Site Rev, 0"	http://pdw.hanford.gov/arpir/pdf.cfm?accession=0810230113	This report demonstrates that the 100-F-44:4 waste site meets the objectives for reclassification as No Action. Confirmatory site evaluation demonstrates the 100-F-44:4 discovery pipeline is non-hazardous electrical conduit debris. Residual contaminant concentrations do not preclude any future uses and allow for unrestricted use of shallow-zone soils.	D,P	E	Y,X	A	NO	NO
09-AMRC-0026	REV. 0	100-F	100-FR-1	2008 Nov	M.S. French DOE-RL	Transmittal of approved remaining sites verification package for the 100-F-26:9 1607-F2 Sanitary Sewer Pipelines Revision 0"	http://pdw.hanford.gov/arpir/pdf.cfm?accession=0812030144	In accordance with this evaluation, the confirmatory and verification sampling results support a reclassification of this site to Interim Closed Out. The current site conditions achieve the RAOs and the corresponding RAGs established in the Remaining Sites ROD (EPA/ROD/R10-99/039). The 100-F-26:9 1607-F2 Sanitary Sewer Pipelines subsite sample results demonstrate that the site achieves the RAOs and RAGs. These results show that residual soil concentrations support future land uses that can be represented, or bounded, by a rural residential scenario.	D,H,P	G	Y,X	A	NO	NO
09-AMRC-0029	REV. 0	100-F	100-FR-1	2008 Nov	H.M. Sulloway, WCH	"Transmittal of Approved Sampling and Analysis Instruction for Documenting the as Left Condition of the Sediments Surrounding the 100-F-59 Waste Site WCH 306 Rev 0"	http://pdw.hanford.gov/arpir/pdf.cfm?accession=0812030159	This sampling and analysis instruction (SAI) provides the requirements for sample collection and laboratory analysis to document the as-left condition of the sediments surrounding the 100-F-59 waste site, also known as the riparian area contamination originating from 128-F-2, following remediation.	D,H,P	G,Z	Y,S,X,P	A	NO	NO
09-AMRC-0042	REV. 0	100-F	100-FR-2	2008 Jan	DOE-RL	"Transmittal of Approved Remaining Sites Verification Package for the 128-F-2 100F Burning Pit Waste Site Revision 0"	http://pdw.hanford.gov/arpir/pdf.cfm?accession=0901220524	In accordance with this evaluation, the verification sampling results support a reclassification of the 128-F-2 site to Interim Closed Out. The current site conditions achieve the RAOs, and the corresponding RAGs established in the Remaining Sites ROD (EPA/ROD/R10-99/039). The results of verification sampling show that residual contaminant concentrations do not preclude any future uses (as bounded by the rural residential scenario) and allow for unrestricted use of shallow-zone soils (i.e., surface to 4.6 m [15-ft] deep). The results also demonstrate that residual contaminant concentrations are protective of groundwater and the Columbia River.	D,P	E	Y,X	A	NO	NO
09-AMRC-0060	Rev. 0	100-IU-6	100-IU-6	2009 Feb	DOE-RL	"Transmittal of Approved Remaining Sites Verification Package for the 600-149:2 Berm Behind The Pistol/Rifle Range Revision 0"	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=0902180730	The 600-149 waste site is located within the 100-IU-6 OU on the Hanford Site in south-central Washington State. The site was used as a practice range for handguns, rifles, shotguns, machine guns, grenades, smoke bombs, and other such incendiary devices. The site meets cleanup standards and has been reclassified as Interim Closed Out.	D,H,P	G,Z,T	Y,S	A,M	Yes	No
09-AMRC-0083	Rev. 0	100-IU-2/100-IU-6	100-IU-2, 100-IU-6	2009 Mar	M.S. French	"Transmittal of the 100-IU-2 and 100-IU-6 Areas Orphan Sites Evaluation Report OSR-2008-0001 Rev 0"	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=0904080681	Summary of the approach and results from the orphan sites evaluations of the Hanford Site 100-IU-2 and 100-IU-6 areas that were conducted between October 2006 and October 2007.	D,H,P	E,G,T,Z	P,S,X,Y	A,M	Yes	No
09-AMRC-0159	REV. 0	100-F	100-FR-1	2009 June	M.S. French DOE-RL	"Transmittal of Approved Remaining Sites Verification Package for the 100-F-53 108-F Septic System Revision 0"	http://pdw.hanford.gov/arpir/pdf.cfm?accession=0907221203	This remaining sites verification package documents evaluation of the confirmatory sampling results to support reclassification of the 100-F-53 waste site to No Action. The results of confirmatory sampling show that residual contaminant concentrations do not preclude any future uses and allow for unrestricted use of shallow-zone soils. The results also demonstrate that residual contaminant concentrations are protective of groundwater and the Columbia River. Site contamination did not extend into the deep-zone soils; therefore, institutional controls to prevent uncontrolled drilling or excavation into the deep zone are not required.	D,P	G,Z	Y	A,M	YES	NO

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Document ID	Rev./ Draft/ Vol.	Area	Operable Unit/Other	Date	Authors/ Originator	Title	Link	Document Description	Back-ground Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
09-AMRC-0171		100-F	100-FR-1	2009 Aug	M.S. French DOE-RL	Closeout of activities related to Bat Habitat at the 183-F Clearwell	http://pdw.hanford.gov/arpir/pdf.cfm?accession=0908250084	Letters/documents stating DOE/RL will be performing small-scale debris removal and fence installation at the 183-F clearwell located in 100-F. Debris removal and fence installation support the protection of a significant roost site for *Yuma myotis* bats discovered using the clearwell as a maternity colony during summer months. Associated with this site is a 213.5 m (700-ft) -long flume located adjacent to the clearwell that is used by the *Yuma myotis* bats as an associated roost site and entrance to the clearwell.	D	E	Y		YES	NO
09-AMRC-0209	REV. 0	100-F	100-FR-2	2009 Sept	M.S. French DOE-RL	"Transmittal of Document Entitled 100-FR-2 Operable Unit (OU) Interim Remedial Action Report (DOE/RL-2009-63 Revision 0)"	http://pdw.hanford.gov/arpir/pdf.cfm?accession=0095791	This report documents cleanup actions performed on the Hanford Site in the 100-FR-2 OU and is an interim remedial action report that is being prepared to document the remedial actions that were conducted under interim action records of decision and is not associated with interim remedial action reports that are generally used to document long-term remedies. This report also provides a summary of the background and history, construction information, costs, and performance data. Information provided herein presents input for future decision making, evaluation of technology, and cost comparison.	D,H,P	G,Z,C,E, T	Y,X	M	NO	NO
10-AMRC-0084		100-IU-2	100-IU-2	2010 May	M.S. French	"Transmittal of Approved Waste Site Reclassification Form and Supporting Documentation for 600-342 Waste Site Revision 0"	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=0084402	The 600-342 waste site was identified during a December 10, 2008, orphan sites evaluation of the Inter-Area Segment I sites. During this orphan sites walkdown, coveralls were identified. Radiological control personnel were notified, a hand-held radiological survey was conducted at the site, and the clothing was disposed of. Subsequently, Global Positioning Environmental Radiological Surveyor (GPERS) radiological surveys were conducted at the site to support interim closeout, and are attached in Figures A-2 and A-3. The GPERS surveys shown no evidence of radiological contamination at levels above site background. Reference: Remaining Sites ROD (EPA/ROD/R10 99/039). This correspondence includes attachments (pictures and survey maps of the site).	D,H				No	No
10-AMRC-0152	Rev. 0	100-IU-6	100-IU-6	2010 Aug	M.S. French	"Transmittal of Approved Waste Site Reclassification Form and Supporting Documentation for 600-146 Waste Site Revision 0"	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=0084271	This document includes attachments to Waste Site Reclassification Form 2010-045: the 600-146 Waste Site Location Map, historical digital photos of site debris, Hanford Patrol K-9 Unit sniffing for explosives, Plutonium-Uranium Extraction (PUREX) "L" cell package, Radiological Survey Record, and Waste Characterization Data For Interim Closure.	D,H,P	G,Z,T	Y,S		No	No
10-AMRC-0176	Rev. 0	100-F	100-IU-2	2010 Sept	M.S. French	"Transmittal of the 100-F/IU-2/IU-6 Area Segment 2 Orphan Sites Evaluation Report OSR-2010-0001 Revision 0"	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=1011050051	Summary of the approach used and results obtained from the orphan sites evaluations of the 100-F/IU-2/1U-6 Area Segment 2. The evaluations were conducted between March 2009 and January 2010.	D,H,P	G,Z,T	Y,S,X	A	No	No
11-AMRC-0029	REV. 0	100 AREA	100-IU-2	2010 Nov	M.S. French	"Transmittal of Approved Waste Site Reclassification Form and Supporting Documentation for the 600-341:2 Inter Areas Battery Remnant Area #1B Revision 0"	http://pdw.hanford.gov/arpir/pdf.cfm?accession=0084159	The 600-341:2, Inter Areas Battery Remnant Area #1B subsite, located in the 100-IU-2 OU, consisted of two areas that contained dry cell battery remnants and battery debris. Following remediation, verification sampling was conducted in July 2010. The results indicated that the waste removal action achieved compliance with the RAOs and RAGs for the 600-341:2 subsite. A summary of the cleanup evaluation for the soil results against the applicable criteria in this document.	D,H,P	G	Y,S	A	YES	NO

Table B1. Annotated Bibliography

Document ID	Rev./ Draft/ Vol.	Area	Operable Unit/Other	Date	Authors/ Originator	Title	Link	Document Description	Back-ground Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
11-AMRC-0030	REV. 0	100 AREA	100-IU-2	2010 Nov	M.S. French	"Transmittal of Approved Waste Site Reclassification Form and Supporting Documentation for the 600-344 Inter Areas Stain #1 Revision 0"	http://pdw.hanford.gov/arpir/pdf.cfm?accession=0084158	The 600-344, Inter Areas Stain Site #1 waste site, located in the 100-IU-2 OU, was an area stained with pre-Hanford metal container lids, measuring approximately 11 m (36 ft) across. Based on observations during the visit to the 600-344 waste site, confirmatory sampling was determined to be unnecessary, and the waste site was recommended for remove, treat, and dispose (RTD). The results indicated that the waste removal action achieved compliance with the RAOs and RAGs for the 600-344 waste site. A summary of the cleanup evaluation for the soil results against the applicable criteria is presented in this document.	D,H,P	G	Y,S	A	YES	NO
11-AMRC-0031	REV. 0	100 AREA	100-IU-2	2010 Nov	M.S. French	"Transmittal of Approved Waste Site Reclassification Form and Supporting Documentation for the 600-345 100-BC Vicinity Oil Stain and Filter Area Revision 0"	http://pdw.hanford.gov/arpir/pdf.cfm?accession=0084157	The 600-345, 100-BC Vicinity Oil Stain and Filter Area waste site, located in the 100-IU-2 OU, was originally described as a stained area with oil filters. It was suggested that petroleum liquid may have been released to the ground during an oil change, or a container with liquid was released. In accordance with this evaluation, the verification sampling results support a reclassification of this site to Interim Closed Out. These results show that residual soil concentrations support future land uses that can be represented by a rural residential scenario. The results also demonstrate that residual contaminant concentrations support unrestricted future use of shallow zone soil, and contaminant levels remaining in the soil are protective of groundwater and the Columbia River.	D,H,P	G,Z	Y,S,X	A	YES	NO
11-AMRC-0052	DRAFT A	100-F	100-IU-2	2010 Dec	M.S. French	Transmittal of the 100F/IU-2/IU-6 Area Segment 3 Orphan Sites Evaluation Report OSR-2010-0004 Draft A	http://pdw.hanford.gov/arpir/pdf.cfm?accession=1012291063	The purpose of the orphan sites evaluation is to increase confidence that all known waste disposal or releases requiring characterization and cleanup within a given land parcel of the Hanford Site River Corridor have been identified. Information collected through conducting the evaluations also supports elements of the CERCLA 120(h)(4) requirements for review and identification of uncontaminated property at federal facilities. This report summarizes the approach used and results obtained from the orphan sites evaluations of the100-F/IU-2/IU-6 Area, Segment 3 (herein referred to as Segment 3). The evaluations were conducted between November 2009 and August 2010.	D,H	G,E,T		A,M	YES	NO
11-AMRC-0067	REV. 0	100-F	100-IU-2	2011 Jan	M.S. French	Transmittal of Approved Waste Site Reclassification Form and Supporting Documentation for the 600-182 White Bluffs Asbestos Pipe Lagging and Excess Piping Revision 0	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=0084093	The 600-182 waste site is identified as a remaining site for remediation in the Explanation of Significant Differences for the 100 Area Remaining Sites Interim Remedial Action Record of Decision, Hanford Site, Benton County, Washington (EPA 2009). The largest excavation has an area of approximately 1,000 m^2 (10,700 ft^2). The scraped area with asbestos lagging is less than 100 m^2 (1,000 ft^2). The scraped area with vitrified clay pipe is approximately 11 m^2 (118 ft^2). The waste staging pile area is approximately 4 m^2 (43 ft^2). The overburden pile is approximately 90 m^2 (970 ft^2). Photographs of these areas are provided in Appendix A.	D,H,P	G,Z,T	Y,S	A	Yes	No
11-AMRC-0080	REV. 0	100-F	100-IU-2	2011 Feb	M.S. French	Transmittal of the Approved Waste Site Reclassification Form and Supporting Documentation for the 600-100 White Bluffs City Dump Revision 0	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=0084035	Based on the site walkdown and the known history of the 600-100 waste site, confirmatory sampling was determined to be unnecessary, and the waste site was recommended for RTD. Remediation occurred from January 4 to 18, 2010. Also reported, results show that residual soil concentrations support future land uses that can be represented (or bounded) by a rural residential scenario. The results also demonstrate that residual contaminant concentrations support unrestricted future use of shallow-zone soil (i.e., surface to 4.6 m [15 ft]) and that contaminant levels remaining in the soil are protective of groundwater and the Columbia River. The 600-100 waste site did not extend into the deep zone; therefore, institutional controls to prevent uncontrolled drilling or excavation into the deep zone of the site are not required.	D,H,P	G,Z,T	Y,S,P	A	Yes	No

Table B1. Annotated Bibliography

Document ID	Rev./ Draft/ Vol.	Area	Operable Unit/Other	Date	Authors/ Originator	Title	Link	Document Description	Back-ground Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
11-AMRC-0082	REV. 0	100-F	100-IU-2	2011 Feb	M.S. French	"Transmittal of the Approved Waste Site Reclassification Form and Supporting Documentation for the 600-124 White Bluffs Burn Site and Paint Disposal Area Revision 0"	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=0084020	Remedial action at the 600-124 waste site was performed in January 2010. The remediation resulted in approximately 1 m (3 ft) of material being scraped from the surface and placed in a staging pile area located just south of the excavation for later disposal at the Environmental Restoration Disposal Facility (ERDF). Waste material that was encountered during remediation included paint cans, various colors of paint, tar roofing material, and pieces of wood and vitrified clay pipe. Following remediation, verification sampling was conducted in September 2010. The results indicated that the waste removal action achieved compliance with the RAOs and RAGs for the 600-124 waste site. A summary of the cleanup evaluation for the soil results against the applicable criteria is presented in Table ES-1.	D,H,P	G,Z,T	Y,S	A	Yes	No
11-AMRC-0085	REV. 0	100-F	100-IU-2	2001 Feb	M.S. French	"Transmittal of the Approved Waste Site Reclassification Form and Supporting Documentation for the 600-125 White Bluffs Waste Disposal Trench 1 Revision 0"	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=0084028	Following remediation, verification sampling was conducted in August 2010. The sample results were compared directly to the RAGs. The results demonstrate that residual contaminant concentrations are protective of groundwater and the Columbia River. In accordance with this evaluation, the verification sampling results support a reclassification of the 600-125 waste site to Interim Closed Out. Attachment documentation is included with this correspondence report for more information.	D,H,P	G,Z,T	Y,S	A	Yes	No
11-AMRC-0092	Rev. 0	100-IU-6	100-IU-6	2001 Feb	M.S. French	"Transmittal of the Approved Waste Site Reclassification Form and Supporting Documentation for the 600-109 Hanford Trailer Camp Landfill Revision 0"	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=0084022	The 600-109 Hanford Trailer Camp Landfill waste site is located in the 100-IU-6 OU. Based on the site walkdown, geophysical survey, and observations during the archaeological investigation of the 600-109 waste site, confirmatory sampling was determined to be unnecessary, and the waste site was recommended for RTD. Remediation occurred from January to March 2010.	D,H,P	G,Z,T	Y,S	A	Yes	No
11-AMRC-0093		100-F	100-IU-2 100-FR-1 100-FR-2	2011 Feb	M.S. French	"Transmittal of the Approved Waste Site Reclassification Form and Supporting Documentation for the 600-302 French Drain with Vent Pipe Revision 0"	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=0084021	This document states that confirmatory sampling results support a reclassification of the 600-302 waste site to No Action. The current site conditions achieve the RAGs established by the Remaining Sites ROD (EPA/ROD/R10-99/039). The results of confirmatory sampling show that residual contaminant concentrations do not preclude any future uses (as bounded by the rural residential scenario) and allow for unrestricted use of shallow-zone soils (i.e., surface to 4.6 m [15 ft] deep). The results also demonstrate that residual contaminant concentrations are protective of groundwater and the Columbia River. Site contamination did not extend into the deep-zone soils; therefore, institutional controls to prevent uncontrolled drilling or excavation into the deep zone soils are not required.	D,H,P	G,Z,E,T	Y	A	No	No
2001-095		100-F	100-FR-1	2002 FEB	M. Buckmaster	Waste Site Reclassification Form 100-FR-1 100-F-40 Animal Farm Surface Impoundment	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=D9003807	This document verifies that 100-F-40 received uncontaminated liquid and can be rejected with the WIDS.	D,H	T	Y	A	Yes	No
2003-033		100-IU-6	100-IU-6	2004 Feb	H.E. Bilson, L.E. Gadbois	Waste Site Reclassification Form 100-IU-6 600-107	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=D4854875	"Waste Site Evaluation for 600-107, 213-J and 213-K Cribs" (attachment to WSRF 2003-033, *Waste Site Reclassification Form*, Operable Unit 100-IU-6, Waste Site ID 600-107) demonstrates that the cleanup verification results from samples of underlying soil support the no action reclassification of the 600-107 site. Residual material at the site achieves the RAOs and the corresponding RAGs. Residual soil concentrations support unrestricted future use of shallow-zone soil (i.e., surface to 4.5 m [15 ft]), and contaminant levels remaining in the soil are protective of groundwater and the Columbia River.	D,H,P	G,Z	S,Y	A	Yes	No

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2003-040		600 Area	100-IU-2	2003 Sept	R.A. Carlson, WCH	Waste Site Reclassification Form 100-IU-2 600-132 White Bluffs Construction Contractor Shop Landfill	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=D2985656	The 600-132 site is a large, open borrow pit located within the 100-IU-2 OU in the 600 Area. In accordance with this evaluation, the cleanup verification results from samples of underlying soil support the interim closure of the 600-132 site. Residual soil concentrations support unrestricted future use of shallow-zone soil (surface to 4.5 m [15 ft]) and contaminant levels remaining in the soil are protective of groundwater and the Columbia River.	D,H,P		Y,S	A	YES	NO
2003-047		100-IU-2	100-IU-2	2003 Sept	H.E. Bilson, L.E. Gadbois	Waste Site Reclassification Form 100-IU-2 600-190 Tar and or Paint Site	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=D2984625	The 600-190 site is located within the 100-IU-2 OU in the 600 Area. The site is the location of a tar and/or paint site with surface debris located throughout the site. Contaminated soil and associated debris was removed from the 600-190 site in May 2003. Three samples of the underlying soil were collected and analyzed to verify attainment of the RAGs. Results from the sampling activities, laboratory analyses, and evaluation of the 600-132 site data demonstrate that all RAOs and goals for direct exposure, protection of groundwater, and protection of the Columbia River have been met.	D,H,P	G,Z,T	Y,S	A	Yes	No
2003-048		600 Area	100-IU-2	2003 Aug	R.A. Carlson, WCH	Waste Site Reclassification Form 100-IU-2 600-181	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=D2985683	The 600-181 site is part of the 100-IU-2 OU in the White Bluffs Area. In accordance with this evaluation, the cleanup verification results from samples of underlying soil support the interim closure of the 600-181 site. Residual soil concentrations support unrestricted future use of shallow zone soil (surface to 4.5 m [15 ft]) and contaminant levels remaining in the soil are protective of groundwater and the Columbia River.	D,H,P		Y,S	A	YES	NO
2003-19	Rev. 0	100-F	100-HR-2, 118-F-1; 116-F-4	1995 Jul	DOE-RL	*Limited Field Investigation Report for 100-HR-2 OU*	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=D196006764	This LFI report summarizes results of the investigative activities completed for the 100-HR-2 OU. This document uses analogous site data from the 100-F Pluto Crib for the QRA.	D,H	G,T	Y,X	A,M	Yes	Yes
2003-23		100-F	100-FR-1	2003 Dec	D. Faulk, H.E. Bilson EPA, DOE-RL	Waste Site Reclassification Form 100-FR-1 132-F-4	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=D4854367	The Waste Site Evaluation for 132-F-4, 116-F Reactor Exhaust Stack (WSRF 2003-26), demonstrates that historical data support No Action interim closure for the 132-F-4 site. The site achieves the RAOs and the corresponding RAGs. Residual soil concentrations support future land uses that can be represented by a rural residential scenario and pose no threat to groundwater or the Columbia River based on RESRAD modeling.	D,H,P	Z	Y	A,M	NO	NO
2003-25		100-F	100-FR-1	2003 Dec	D. Faulk, H.E. Bilson EPA, DOE-RL	Waste Site Reclassification Form 100-FR-1 132-F-3	http://pdw.hanford.gov/arpir/pdf.cfm?accession=D4854420	The Waste Site Evaluation for 132-F-3, 115-F Gas Recirculation Facility (WSRF 2003-25) demonstrates that historical data support No Action interim closure for the 132-F-3 site. The site achieves the RAOs and corresponding RAGs. Residual soil concentrations support future land uses that can be represented by a rural residential scenario and pose no threat to groundwater or the Columbia River based on RESRAD modeling.	D,H,P	Z	Y	A,M	NO	NO
2003-28		600 Area	100-IU-2	2003 Oct	R.A. Carlson, WCH	Waste Site Reclassification Form 100-IU-2 600-52	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=D4854828	The 600-52 site is a depression located within the 100-IU-2 OU in the 600 Area. Based on site information (i.e., site history, previous sample results, field walkdown), the 600-52 White Bluffs Surface Basin site achieves the RAOs and corresponding RAGs. Residual soil concentrations support unrestricted future use of shallow- zone soil (i.e., surface to 4.5 m [15 ft]) and contaminant levels remaining in the soil are protective of groundwater and the Columbia River.	D,H,P	G,Z,T	Y,S	A	YES	NO
2003-29		100-F	100-FR-1	2003 Dec	D. Faulk, H.E. Bilson EPA, DOE-RL	Waste Site Reclassification Form 100-FR-1 132-F-5	http://pdw.hanford.gov/arpir/pdf.cfm?accession=D4854840	The Waste Site Evaluation for 132-F-5, 117-F Filter Building, demonstrates that historical data supports No Action Interim Closure for the 132-F-4 site. The site achieves the RAOs and corresponding RAGs. Residual soil concentrations support future land uses that can be represented by a rural residential scenario and pose no threat to groundwater or the Columbia River based on RESRAD modeling.	D,H,P	Z	Y	A,M	NO	NO

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Document ID	Rev./ Draft/ Vol.	Area	Operable Unit/Other	Date	Authors/ Originator	Title	Link	Document Description	Back-ground Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
2003-32		100-F	100-FR-1	2003 Dec	D. Faulk, H.E. Bilson, EPA, DOE-RL	Waste Site Reclassification Form 100-FR-1 132-F-6	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=D4854858	The Waste Site Evaluation for 132-F-6, 1608-F Waste Water Pumping Station, demonstrates that historical data supports No Action Interim Closure for the 132-F-4 site. The site achieves the RAOs and corresponding RAGs. Residual soil concentrations support future land uses that can be represented by a rural residential scenario and pose no threat to groundwater or the Columbia River based on RESRAD modeling.	D,H,P	Z	Y	A,M	NO	NO
2003-35		100-F	100-FR-2	2003 Dec	D. Faulk, H.E. Bilson EPA, DOE-RL	Waste Site Reclassification Form 100-FR-2 128-F-1 Burn Pit	http://pdw.hanford.gov/arpir/pdf.cfm?accession=D4854912	The Waste Site Evaluation for 128-F-1 Burn Pit (WSRF 2003-35) demonstrates that the site meets the objectives for interim closure as established in the RDR/RAWP and the Remaining Sites ROD (EPA/ROD/R10-99/039). Residual soil concentrations support unrestricted future use of shallow-zone soil (surface to 4.6 m [15 ft]), and contaminant levels remaining in the soil are protective of groundwater and the Columbia River.	D,P	Z	Y	A,M	NO	NO
2003-37		600 Area	100-IU-2	2003 June	R.A. Carlson, WCH	Waste Site Reclassification Form 100-IU-2 600-99	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=D2963835	The 600-99 site is located within the 100-IU-2 OU in the 600 Area. This evaluation supports the No Action closure of the 600-99 site, and achieves the RAOs and corresponding RAGs. Residual soil concentrations support unrestricted future use of shallow-zone soil (i.e., surface to 4.5 m [15 ft]) and contaminant levels remaining in the soil are protective of groundwater and the Columbia River.	D,H,P		Y,S	A	YES	NO
2003-38		600 Area	100-IU-2	2003 Sept	R.A. Carlson, WCH	Waste Site Reclassification Form 100-IU-2 600-201	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=D2985703	This information documents the completion of sampling and evaluation of sampling results for the 600-201 White Bluffs Paint and Solid Waste Disposal Site. The site has been evaluated with GPR and a test pit to confirm that it does not require remediation and meets the RAOs. Results of the test pit evaluations for the 600-201 site demonstrate that all RAOs and RAGs for direct exposure, protection of groundwater, and protection of the Columbia River have been met.	D,H,P		Y,S	A	YES	NO
2003-39		100-IU-2	100-IU-2	2003 Sept	H.E. Bilson, L.E. Gadbois	Waste Site Reclassification Form 100-IU-2 600-128	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=D4854955	The 600-128 site is located within the 100-IU-2 OU in the 600 Area. The site was an oil dump area that was associated with the White Bluffs Automotive Repair Shop (600-139). The contaminated soil and debris were removed and soil samples were collected and analyzed to verify attainment of RAGs. Results from the sampling activities, laboratory analyses, and evaluation of the 600-128 site data demonstrate that all RAOs and goals for direct exposure, protection of groundwater, and protection of the Columbia River have been met.	D,H,P	G,Z,T	S,Y	A	Yes	No
2003-41		600 Area	100-IU-2	2003 Sept	R.A. Carlson, WCH	Waste Site Reclassification Form 100-IU-2 600-139	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=D2963815	The 600-139 site is located within the 100-IU-2 OU in the 600 Area. In accordance with this evaluation, the cleanup verification results from samples of underlying soil support the interim closure of the 600-139 site. Residual soil concentrations support unrestricted future use of shallow-zone soil (i.e., surface to 4.5 in [15 ft]) and contaminant levels remaining in the soil are protective of groundwater and the Columbia River.	D,H,P		Y,S	A	YES	NO
2003-43		100-IU-6	100-IU-6	2003 Sept	H.E. Bilson, L.E. Gadbois	Waste Site Reclassification Form 100-IU-6 600-204	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=D2985607	The basis for reclassification is described in detail in the Waste Site Evaluation for 600-204 Hanford Townsite Burn and Burial Trench Calculation Brief. The calculation brief demonstrates that, based on site information, including previous sample results, a field walkdown in 2003, and site history, the 600-204 site contains no hazardous substances above cleanup criteria. These results also indicate that residual soil concentrations support unrestricted future use of shallow-zone soil and contaminant levels remaining in the soil are protective of groundwater and the Columbia River.	D,H,P	G,Z	Y	A	Yes	No

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Document ID	Rev./ Draft/ Vol.	Area	Operable Unit/Other	Date	Authors/ Originator	Title	Link	Document Description	Back-ground Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
2003-45		600 Area	100-IU-2	2003 Sept	R.A. Carlson, WCH	Waste Site Reclassification Form 100-IU-2 600-131	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=D2985632	The 600-131 site is located within the 100-IU-2 OU in the 600 Area. In accordance with this evaluation, the cleanup verification results from samples of underlying soil support the interim closure of the 600-131 site. Residual soil concentrations support unrestricted future use of shallow-zone soil (i.e., surface to 4.5 m [15 ft]) and contaminant levels remaining in the soil are protective of groundwater and the Columbia River.	D,H,P		Y,S	A	YES	NO
2003-46		100-IU-2	100-IU-2	2003 Sept	H.E. Bilson, L.E. Gadbois	Waste Site Reclassification Form 100-IU-2 628-1	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=D2985567	Sampling and evaluation of this site were completed in accordance with RAOs and goals established by the Interim Action ROD. The waste site reclassification form also presents the basis for reclassification to interim closed out status.	D,H,P	G,Z,T	S,Y	A	Yes	No
2004-062		100-IU-6	100-IU-6	2004 Aug	D.C. Smith, L.E. Gadbois	Waste Site Reclassification Form 100-IU-6 600-110	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=D5920865	The waste site reclassification form presents the description of current conditions and basis for reclassification. The No Action decision for the 600-110 site is supported based on reviews of the site history, field observations, geophysical surveys, and the confirmatory field investigation results. No hazardous debris or stained soil was found at the surface of the site or in the subsurface soil during excavation of anomalous areas.	D,H,P	G,T,Z	S,Y		Yes	No
2004-093		100-F	100-FR-1	2006 Mar	D.C. Smith, DOE-RL	Waste Site Reclassification Form 100-FR-1 100-F-38	http://pdw.hanford.gov/arpir/pdf.cfm?accession=DA02171852	The 100-F-38 Stained Soil site meets the RAOs specified in the Remaining Sites ROD (EPA/ROD/R10-99/039). The results of verification sampling demonstrated that residual contaminant concentrations support future unrestricted land uses that can be represented by a rural residential scenario. These results also show that residual concentrations support unrestricted future use of shallow-zone soil, and that contaminant levels remaining in the soil are protective of groundwater and the Columbia River. The site does not have a deep zone; therefore, no deep-zone institutional controls are required. The basis for reclassification is described in detail in the Remaining Sites Verification Package for 100-F-38 Stained Soil Site.	D,H,P	Z	Y,X	A	YES	NO
2004-095		100-F	100-FR-1	2004 Aug	D.C. Smith, L.E. Gadbois DOE-RL, EPA	Waste Site Reclassification Form 100-FR-1 100-F-37	http://pdw.hanford.gov/arpir/pdf.cfm?accession=D6054224	The 100-F-37 site sample results demonstrate that the site achieves the RAOs and RAGs. These results show that the associated residual soil concentrations support future unrestricted land uses that can be represented by a rural residential scenario. The results also demonstrate that residual contaminant concentrations support unrestricted future use of vadose zone soil and that contaminant levels remaining in the soil are protective of groundwater and the Columbia River. The site is not a deep-zone site; therefore, deep-zone institutional controls are not required.	D,H,P	Z	Y		NO	NO
2004-096	Rev. 0	600 Area	100-IU-6	2004 Jul	R.A. Carlson, WCH	Waste Site Reclassification Form 100-IU-6 600-208	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=D6054273	The 600-208 site, known as the Hanford Construction Camp Boiler House Ponds, is located within the 100-IU-6 OU. The evaluation showed that there are no hazardous/dangerous materials present at the site and, accordingly, no residual contamination in the soil. Therefore, the site is protective of human health, groundwater, and the Columbia River.	D,H,P		Y,S	A	YES	NO
2004-098		100-IU-6	100-IU-6	2004 Aug	D.C. Smith, L.E. Gadbois	Waste Site Reclassification Form 100-IU-6 600-98	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=D6054247	A reclassification status of no action has been determined for the 600-98 site, the East White Bluffs City Landfill. The site achieves the RAOs and the corresponding RAGs. The results of the evaluation show that the site was a pre-Hanford dumping area and borrow pit. The site will support future unrestricted land uses that can be represented (or bounded) by a rural residential scenario and no institutional controls are required.	D,H,P	G,Z,E,T	S,Y	A	Yes	Yes

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Document ID	Rev./ Draft/ Vol.	Area	Operable Unit/Other	Date	Authors/ Originator	Title	Link	Document Description	Back-ground Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
2004-127		100-F	100-FR-2	2005 Mar	D.C. Smith, L.E. Gadbois DOE-RL, EPA	Waste Site Reclassification Form 100-FR-2 100-F-14	http://pdw.hanford.gov/arpir/pdf.cfm?accession=D7852325	The 100-F-14 Carpenter Shop Vent Pipe waste site meets the RAOs. The results demonstrated that residual contaminant concentrations support future unrestricted land uses that can be represented by a rural residential scenario. These results also showed that residual concentrations support unrestricted future use and that contaminant levels remaining in the soil are protective of groundwater and the Columbia River. This site does not have a deep zone; therefore, no deep-zone institutional controls are required. The basis for reclassification is described in detail in the Remaining Sites Verification Package for the 100-F-14, 100-FR-2 Vent Pipe, 100-F Carpenter Shop Vent Pipe.	D,P	Z	Y	A	YES	NO
2004-129		100-F	100-FR-1	2005 Feb	D.C. Smith, L.E. Gadbois DOE-RL, EPA	Waste Site Reclassification Form Operable Unit 100-FR-1 Waste Site ID 118-F-4	http://pdw.hanford.gov/arpir/pdf.cfm?accession=0084360	The 118-F-4 site meets the RAOs specified in the Remaining Sites ROD (EPA/ROD/R10-99/039). The results demonstrated that residual contaminant concentrations support future unrestricted land uses that can be represented by a rural residential scenario. These results also showed that residual concentrations support unrestricted future use and that contaminant levels remaining in the soil are protective of groundwater and the Columbia River. The site does not have a deep zone; therefore, no deep-zone institutional controls are required. The basis for reclassification is described in detail in the Remaining Sites Verification Package for the 118-F-4, 115-F Pit.	D,P	G,Z	Y	A	YES	NO
2004-130		100-F	100-FR-1	2008 Mar	S.L. Charboneau DOE-RL	Waste Site Reclassification Form 100-FR-1 1607-F1	http://pdw.hanford.gov/arpir/pdf.cfm?accession=0804220049	This report demonstrates that the 1607-F1 sanitary sewer system and 100-F-26:8 sanitary sewer pipelines waste sites meet the objectives for interim closure. The results of verification sampling show that residual contaminant concentrations do not preclude any future uses and allow for unrestricted use of shallow-zone soils. The results also demonstrate that residual contaminant concentrations are protective of groundwater and the Columbia River. Site contamination did not extend into the deep zone soils; therefore, institutional controls to prevent uncontrolled drilling or excavation into the deep zone are not required.	D,P	E	Y,X	A	NO	NO
2004-131		100-F	100-FR-1	2007 Dec	S.L. Charboneau, R.A. Lobos DOE-RL, EPA	Waste Site Reclassification Form 100-FR-1 1607-F4	http://pdw.hanford.gov/arpir/pdf.cfm?accession=DA06476730	This report demonstrates that the 1607-F4 waste site was remediated and meets the objectives and goals for interim closure. The results of verification sampling show that residual contaminant concentrations do not preclude any future uses and allow for unrestricted use of shallow-zone soils (i.e., surface to 4.6 m [15 ft] deep). The results also demonstrate that residual contaminant concentrations are protective of groundwater and the Columbia River. Site contamination did not extend into the deep-zone soils; therefore, institutional controls to prevent uncontrolled drilling or excavation into the deep zone are not required.	D,P	E	Y,X	A	NO	NO
2005-003		100-F	100-FR-1	2005 May	DOE-RL	Waste Site Reclassification Form 100-F-26:11 100-FR-1	http://pdw.hanford.gov/arpir/pdf.cfm?accession=DA237052	The 100-F-26:11 subsite meets the RAOs specified in the Remaining Sites ROD (EPA/ROD/R10-99/039). The results demonstrated that residual contaminant concentrations support future unrestricted land uses that can be represented by a rural residential scenario. These results also showed that residual concentrations support unrestricted future use and that contaminant levels remaining in the soil are protective of groundwater and the Columbia River. This subsite does not have a deep zone; therefore, no deep-zone institutional controls are required. The basis for reclassification is described in detail in the Remaining Sites Verification Package for the 100-F-26:11, 1607-F4 Sanitary Sewer Pipelines.	D,P	Z	Y	A	YES	NO

Table B1. Annotated Bibliography

Document ID	Rev./ Draft/ Vol.	Area	Operable Unit/Other	Date	Authors/ Originator	Title	Link	Document Description	Back-ground Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
2005-004		100-F	100-FR-1	2008 Mar	S.L. Charboneau DOE-RL	Waste Site Reclassification Form 100-FR-1 100-F-26:8	http://pdw.hanford.gov/arpir/pdf.cfm?accession=0804220050	This report demonstrates that the 1607-F1 sanitary sewer system and 100-F-26:8 sanitary sewer pipelines waste sites meet the objectives for interim closure. The results of verification sampling show that residual contaminant concentrations do not preclude any future uses and allow for unrestricted use of shallow-zone soils. The results also demonstrate that residual contaminant concentrations are protective of groundwater and the Columbia River. Site contamination did not extend into the deep-zone soils; therefore, institutional controls to prevent uncontrolled drilling or excavation into the deep zone are not required.	D,P	E	Y,X	A	NO	NO
2005-005		100-F	100-FR-1	2005 May	DOE-RL	Waste Site Reclassification Form 100-F-26:2 100-FR-1	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=DA237024	The 100-F-26:2 subsite meets the RAOs specified in the Remaining Sites ROD (EPA/ROD/R10-99/039). The results demonstrated that residual contaminant concentrations support future unrestricted land uses. These results also showed that residual concentrations support unrestricted future use and that contaminant levels remaining in the soil are protective of groundwater and the Columbia River. This subsite does not have a deep zone; therefore, no deep-zone institutional controls are required. The basis for reclassification is described in detail in the Remaining Sites Verification Package for the 100-F-26:2 Process Water Pipelines to the Aquatic Biology Fish Ponds and Strontium Gardens.	D,P	G,Z	Y	A	YES	NO
2005-007		100-F	100-FR-1	2005 Jul	D.C. Smith, L.E. Gadbois DOE-RL, EPA	Waste Site Reclassification Form 100-F-26:5 100-FR-1	http://pdw.hanford.gov/arpir/pdf.cfm?accession=DA696139	The 100-F-26:5 Pipeline Subsite meets the RAOs specified in the Remaining Sites ROD (EPA/ROD/R10-99/039). The results demonstrate that residual contaminant concentrations in the shallow zone support future unrestricted land uses that can be represented by a rural residential scenario. Because mercury levels exceed direct exposure in the deep zone, institutional controls are required for the 100-F-26:5 waste subsite to prevent excavation or drilling into the deep-zone soils. The basis for reclassification is described in detail in the Remaining Sites Verification Package for 100-F26:5 Pipeline Subsite.	D,P	G,Z	Y	A	YES	NO
2005-008		100-F	100-FR-1	2005 Jul	D.C. Smith, L.E. Gadbois DOE-RL, EPA	Waste Site Reclassification Form 100-F-26:1 100-FR-1	http://pdw.hanford.gov/arpir/pdf.cfm?accession=DA694512	The 100-F-26:1 subsite meets the RAOs specified in the Remaining Sites ROD (EPA/ROD/R10-99/039). The results demonstrated that residual contaminant concentrations support future unrestricted land use that can be represented by the rural residential scenario. These results also showed that contaminant levels remaining in the soil are protective of groundwater and the Columbia River. This subsite does not have a deep zone; therefore, no deep-zone institutional controls are required. The basis for reclassification is described in detail in the Remaining Sites Verification Package for the 100-F-26:1, North Process Sewer Collection Pipelines.	D,P	G,Z	Y	A	YES	NO
2005-010		100-F	100-FR-1	2005 May	D.C. Smith, L.E. Gadbois DOE-RL, EPA	Waste Site Reclassification Form 100-F-26:7 100-FR-1	http://pdw.hanford.gov/arpir/pdf.cfm?accession=DA451291	The 100-F-26:7 Sodium Ditch subsite and Sodium Silicate Ppelines, meets the RAOs specified in the Remaining Sites ROD (EPA/ROD/R10-99/039). The results demonstrated that residual contaminant concentrations support future unrestricted land uses. These results also showed that residual concentrations support unrestricted future use of shallow-zone soil, and that contaminant levels remaining in the soil are protective of groundwater and the Columbia River. This subsite does not have a deep zone; therefore, no deep-zone institutional controls are required. The basis for reclassification is described in detail in the Remaining Sites Verification Package for 100-F-26:7, Sodium Dichromate and Sodium Silicate Pipelines.	D,P	Z	Y	A	YES	NO

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Document ID	Rev./ Draft/ Vol.	Area	Operable Unit/Other	Date	Authors/ Originator	Title	Link	Document Description	Back-ground Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
2005-025		100-F	100-FR-1	2005 Sept	D.C. Smith, L.E. Gadbois DOE-RL, EPA	Waste Site Reclassification Form 100-FR-1 182-F	http://pdw.hanford.gov/arpir/pdf.cfm?accession=DA01648546	Field inspection and sampling of the soil at the 182-F Reservoir indicates that the site meets the RAOs specified in the Remaining Sites ROD (EPA/ROD/R10-99/039). The results of the 182-F Reservoir evaluation showed that residual contaminant concentrations do not preclude any future uses and allow for unrestricted use of shallow-zone soils. The results also showed that residual contaminant concentrations are protective of groundwater and the Columbia River. This site does not have a deep zone; therefore, no deep-zone institutional controls are required. The basis for reclassification is described in detail in the Remaining Sites Verification Package for the 182-F Reservoir Waste Site.	D,H,P	Z	Y,X	A	YES	NO
2006-017		100-F	100-FR-1	2006 May	D.C. Smith, R.A. Lobos DOE-RL, EPA	Waste Site Reclassification Form 100-FR-1 126-F-2	http://pdw.hanford.gov/arpir/pdf.cfm?accession=da02604338	The 126-F-2 waste site has been remediated to meet the RAOs specified in the Remaining Sites ROD (EPA/ROD/R10-99/039). The results of radiological surveys and visual inspection of the remediated clearwell structure show neither residual contamination nor the potential for contaminant migration beyond the clearwell boundaries. The results of verification sampling at the remediation waste staging area demonstrated that residual contaminant concentrations do not preclude any future uses and allow for unrestricted use of shallow-zone soils. The deep zone portion of the site has been shown to meet direct exposure criteria; therefore, no deep-zone institutional controls are required. The basis for reclassification is described in detail in attached Remaining Sites Verification Package for the 126-F-2, 183-F Clearwells.	D,P	Z	Y,X	A	YES	NO
2006-021		100-F	100-FR-1	2006 Aug	D.C. Smith, R.A. Lobos DOE-RL, EPA	Waste Site Reclassification Form 100-FR-1 100-F-33	http://pdw.hanford.gov/arpir/pdf.cfm?accession=da03633571	The 100-F-33, 146-F Aquatic Biology Fish Ponds site meets the RAOs specified in the Remaining Sites ROD (EPA/ROD/R10-99/039). The results of verification and applicable confirmatory sampling demonstrate that residual contaminant concentrations support future unrestricted land uses that can be represented. These results also show that residual concentrations support unrestricted future use of shallow-zone soil and that contaminant levels remaining in the soil are protective of groundwater and the Columbia River. The site does not have a deep zone; therefore, no deep-zone institutional controls are required. The basis for reclassification is described in detail in the Remaining Sites Verification Package for the 100-17-33, 146-F Aquatic Biology Fish Ponds.	D,P	G,Z	Y	A	YES	NO
2006-029		100-F	100-FR-1	2006 Aug	D.C. Smith, R.A. Lobos DOE-RL, EPA	Waste Site Reclassification Form 100-FR-1 132-F-1	http://pdw.hanford.gov/arpir/pdf.cfm?accession=da03630611	The 132-F-1 waste site has been remediated to meet the RAOs specified in the Remaining Sites ROD (EPA/ROD/R10-99/039). The results of verification sampling demonstrated that residual contaminant concentrations do not preclude any future uses and allow for unrestricted use of shallow zone soils. The results also showed that residual contaminant concentrations are protective of groundwater and the Columbia River. This site does not have a deep zone; therefore, no deep-zone institutional controls are required. The basis for reclassification is described in detail in the Remaining Sites Verification Package for 132-F-1, 141-F Chronic Feeding Sheep Barn.	D,P	G,Z	Y	A	YES	NO
2006-033		100-F	100-FR-1	2006 Aug	D.C. Smith, R.A. Lobos DOE-RL, EPA	Waste Site Reclassification Form 100-FR-1 100-F-31	http://pdw.hanford.gov/arpir/pdf.cfm?accession=da03633660	The 100-F-31 waste site has been remediated to meet the RAOs specified in the Remaining Sites ROD (EPA/ROD/R10-99/039). The results of verification sampling demonstrated that residual contaminant concentrations do not preclude any future uses and allow for unrestricted use of shallow-zone soils. The results also showed that residual contaminant concentrations are protective of groundwater and the Columbia River. This site does not have a deep zone; therefore, no deep-zone institutional controls are required. The basis for reclassification is described in detail in the Remaining Sites Verification Package for the 100-F-31, 144-F Sanitary Sewer System.	D,P	G,Z	Y	A	YES	NO

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Document ID	Rev./ Draft/ Vol.	Area	Operable Unit/Other	Date	Authors/ Originator	Title	Link	Document Description	Back-ground Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
2006-038		100-F	100-FR-1	2006 Oct	DOE-RL	Waste Site Reclassification Form 100-FR-1 116-F-8	http://pdw.hanford.gov/arpir/pdf.cfm?accession=DA03897516	This remaining sites verification package documents completion of remedial action for the 116-F-8 and 100-F-42 waste sites, the 1904-F Outfall Structure and its associated emergency overflow spillway. The formatting of this document follows that used for CVPs for other radioactive liquid effluent waste sites rather than that used for remaining sites for consistency with the verification sampling approach.	D,P	Z	Y,X	A,M	NO	NO
2006-040		100-F	100-FR-1	2006 Oct	DC Smith, RA Lobos DOE-RL, EPA	Waste Site Reclassification Form 100-FR-1 1607-F7	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=DA04027533	This report demonstrates that the 1607-F7, 141-M Building Septic Tank waste site meets the objectives for interim closure. The results of verification sampling show that residual contaminant concentrations do not preclude any future uses and allow for unrestricted use of shallow-zone soils. The results also demonstrate that residual contaminant concentrations are protective of groundwater and the Columbia River. This site does not have a deep zone; therefore, no deep-zone institutional controls are required.	D	G,Z	Y,S,X	A	YES	NO
2006-043		100-F	100-FR-1	2006 Sept	DC Smith, RA Lobos DOE-RL, EPA	Waste Site Reclassification Form 100-FR-1 1607-F5	http://pdw.hanford.gov/arpir/pdf.cfm?accession=da03768299	The 1607-F5 waste site has been remediated to meet the RAOs specified in the Remaining Sites ROD (EPA/ROD/R10-99/039). The results of verification sampling demonstrated that residual contaminant concentrations do not preclude any future uses and allow for unrestricted use of shallow-zone soils. The results also showed that residual contaminant concentrations are protective of groundwater and the Columbia River. This site does not have a deep zone; therefore, no deep-zone institutional controls are required. The basis for reclassification is described in the Remaining Sites Verification Package for the 1607-F5 Sanitary Sewer System (12 -F-5).	D,P	G,Z	Y	A	YES	NO
2006-047		100-F	100-FR-1	2007 Apr	DOE-RL	Waste Site Reclassification Form 100-FR-1 1607-F3	http://pdw.hanford.gov/arpir/pdf.cfm?accession=DA05001340	This report demonstrates that the 1607-F3 waste site meets the objectives for interim closure. The results of verification sampling show that residual contaminant concentrations do not preclude any future uses and allow for unrestricted use of shallow-zone soils. The results also demonstrate that residual contaminant concentrations are protective of groundwater and the Columbia River. This site does not have a deep zone; therefore, no deep-zone institutional controls are required.	D,P	E	Y,X	A	NO	NO
2006-064		100-F	100-FR-1	2007 Feb	D.C. Smith, R.A. Lobos DOE-RL, EPA	Waste Site Reclassification Form 100-FR-1 100-F-41	http://pdw.hanford.gov/arpir/pdf.cfm?accession=da04508712	The 100-F-41 100-FR-1 service water pipelines carried only raw river water and filtered/treated water from the 183-F Filter Plant. Chemical treatment at the 183-F Filter Plant and upstream facilities was restricted to pH modification, chlorination, and the addition of coagulants and a commercial organic polymer flocculation/filtration aid. Based on the absence of potential chemical or radionuclide contamination associated with service water pipelines, the 100-F-41 site (including subsites 1 through 4) has been rejected from consideration as a waste site.	D				NO	NO
2007-001		100-F	100-FR-2	2008 Apr	S.L. Charboneau, R.A. Lobos DOE-RL, EPA	Waste Site Reclassification Form 100-FR-2 100-F-50	http://pdw.hanford.gov/arpir/pdf.cfm?accession=0805050105	This report demonstrates that the 100-F-50 waste site meets the objectives for No Action. The results of confirmatory sampling show that residual contaminant concentrations do not preclude any future uses and allow for unrestricted use of shallow-zone soils (i.e., surface to 4.6 mm [0.18 in.]). The results also demonstrate that residual contaminant concentrations are protective of groundwater and the Columbia River. Site contamination did not extend into the deep-zone soils; therefore, institutional controls to prevent uncontrolled drilling or excavation into the deep zone are not required.	D,P	E	Y,X	A	NO	NO

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Document ID	Rev./ Draft/ Vol.	Area	Operable Unit/Other	Date	Authors/ Originator	Title	Link	Document Description	Back-ground Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
2007-002		100-F	100-FR-1	2007 May	K.D. Bazzell, R.A. Lobos DOE-RL, EPA	waste site reclassification form 100-FR-1 100-F-36	http://pdw.hanford.gov/arpir/pdf.cfm?accession=da05186824	This report demonstrates that the 100-F-36, 108-F Biological Laboratory waste site meets the objectives for No Action, and the 116-F-15, 108-F Radiation Crib waste site meets the objectives for Interim Closure. The results of sampling show that residual contaminant concentrations do not preclude any future uses and allow for unrestricted use of shallow-zone soils. The results also demonstrate that residual contaminant concentrations are protective of groundwater and the Columbia River. Remedial actions were not required for deep-zone soils; therefore, institutional controls to prevent uncontrolled drilling or excavation into the deep zone are not required.	D,P	E	Y,X	A	NO	NO
2007-005		100-F	100-FR-1	2007 Apr	K.D. Bazzell, R.A. Lobos DOE-RL, EPA	waste site reclassification form 100-FR-1 100-F-44-1	http://pdw.hanford.gov/arpir/pdf.cfm?accession=da05001332	Evaluation of the confirmatory sample results for the 100-F-26:1 satisfied the RAOs and the site was interim closed with no remedial action required. Since the water carried by the 100-F-44:1 pipeline is essentially the same water as that carried by the 100-F-26:1 pipeline in service area 5 of the 100-F-26:1 subsite, no remedial action for the 100-F-44:1 subsite is needed and it may be closed with no remedial action.	D,H,P	Z	Y,X		NO	NO
2007-007		100-F	100-FR-1	2007 May	K.D. Bazzell, R.A. Lobos DOE-RL, EPA	waste site reclassification form 100-FR-1 100-F-44-6	http://pdw.hanford.gov/arpir/pdf.cfm?accession=da05001323	A 76 cm (30-in.) pipe entering the foundation of the 189-F Refrigeration Building was discovered during excavation of a test pit for confirmatory sampling at 100-F-26:4. The pipe has been identified as a raw water pipeline that supplied water to the condenser units in the 189-F Refrigeration Building. The pipeline also supplied backup raw water to the 182-F and 183-F facilities. The 100-F-44:6 subsite is reclassified as Rejected based on the absence of potential chemical or radionuclide contamination associated with service water pipelines. Short document with photos.	D,H,P	Z	Y,X		NO	NO
2007-011		100-F	100-FR-1	2007 Oct	S.L. Charboneau, DOE-RL,	waste site reclassification form 100-FR-1 100-F-44:10	http://pdw.hanford.gov/arpir/pdf.cfm?accession=da05973778	The 100-F-44:10 site was identified in the WIDS, and consisted of two sewer pipeline segments exiting from the 141-C Building. These pipelines were excavated and reclassified. Contains several pages of descriptive photographs.	D,H,P				NO	NO
2007-012		100-F	100-FR-1	2007 Aug	S.L. Charboneau, R.A. Lobos DOE-RL, EPA	Waste Site Reclassification Form 100-F-44:7 100-FR-1	http://pdw.hanford.gov/arpir/pdf.cfm?accession=da05686845	Change notification described as potential contamination in the 1717-F boiler system and, therefore, in the 100-F-44:7, 1717-F Blowdown Pipeline, would have been limited to nonregulated concentrations of chemicals used to produce potable water. Based on an absence of other potential chemical or radionuclide contamination, the 100-F-44:7 Blowdown Pipelines subsite is reclassified as Rejected. The basis is in the form.	D,H,P	Z	Y,X		NO	NO
2007-034		100-F	100-FR-1	2008 Apr	S.L. Charboneau, R.A. Lobos, DOE-RL, EPA	Waste Site Reclassification Form 100-FR-1 100-F-26:12	http://pdw.hanford.gov/arpir/pdf.cfm?accession=0805290317	The 100-F-26: 12, 1.8 m (72 in.) Main Process Sewer Pipeline subsite sample results demonstrate that the site achieves the RAOs and RAGs. These results show that residual soil concentrations support future land uses that can be represented by a rural residential scenario. The results also demonstrate that residual contaminant concentrations support unrestricted future use of shallow-zone soil and that contaminant levels remaining in the soil are protective of groundwater and the Columbia River. Site contamination did not extend into the deep-zone soils; therefore, institutional controls to prevent uncontrolled drilling or excavation into the deep zone are not required. Contains many data tables.	D,P	E	Y,X	A	NO	NO
2008-016		100-F	100-FR-1	2009 Apr	M.S. French DOE-RL	Waste Site Reclassification Form Operable Unit 100-FR-1 Waste Site Code 100-F-44:5	http://pdw.hanford.gov/arpir/pdf.cfm?accession=0906020140	This report demonstrates that the 100-F-44:5 waste site meets the objectives for No Action. The results of confirmatory sampling show that residual contaminant concentrations do not preclude any future uses and allow for unrestricted use of shallow-zone soils. The results also demonstrate that residual contaminant concentrations are protective of groundwater and the Columbia River. Site contamination did not extend into the deep-zone soils; therefore, institutional controls to prevent uncontrolled drilling or excavation into the deep zone at the waste site are not required.	D,H,P	Z	Y	A,M	YES	NO

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Document ID	Rev./ Draft/ Vol.	Area	Operable Unit/Other	Date	Authors/ Originator	Title	Link	Document Description	Back-ground Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
2010-01	Rev. 0	100-IU-6	100-IU-6	2010 May	M.S. French	"Transmittal of Approved Waste Site Reclassification Form and supporting documentation for the 600-213 Hanford Airport Underground Fuel Storage Tanks Revision 0"	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=0084401	Reclassification of the 600-213 waste site is based on geophysical investigation and field observation. All available evidence points to the conclusion that the fuel tanks at the Hanford Airport were removed as part of the decommissioning of the airport. Therefore, the 600-213 Hanford Airport Underground Fuel Storage Tanks site is presented for rejection as a waste site. This document contains an attachment of the approved Waste Site Reclassification supporting documentation for the 600-213 Hanford Airport Underground Fuel Storage Tanks, Revision 0. Included are figures and photos of the site.	D,H,P	G,T	Y,S,X,P	A,M	Yes	Yes
9110L057-WES-161		HANFORD SITE	HANFORD SITE	1996 Mar	J.A. Serkowski	*Groundwater Maps of the Hanford Site, June 1995*	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=D196083665	This document presents the results of the semiannual water level measurement program and the water table maps generated from these measurements. It includes a summary discussion of the data, a well index map, and a contoured map of the water table surface.	D	Z, T			No	No
9212L066-WES-1000	1998 Draft	HANFORD SITE	HANFORD SITE	1998 Jun	DOE-RL	*Preliminary Draft Recommendations for Consolidation of Site Wide Groundwater Modeling at Hanford Site*	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=D198174809	The purpose of this report is to document the overall recommendations being made by DOE's Richland Operations Office (RL) for consolidation of Sitewide groundwater modeling.	D,H	G,Z,C,E, T	Y,S	A,M	Yes	Yes
9212L094-WES-967	Rev. 0	100-F	100-FR-1; 105-F	1998 JUL	R. Thoren, A. Robinson, M. Miller, D. Dodd, D. Carlson	*105-F and 105-DR Phase I Sampling and Analysis Plan*	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=D198153038	This SAP presents the rationale and strategy for the sampling and analysis activities proposed in support of decontamination and decommissioning (D&D) of the 105-F and 105-DR Reactor Buildings, located in the 100 Area.	D,H,P	G,Z,T	Y,S	A	No	Yes
Accession Number D196029355		100-F	100-FR-2	1995 Mar	N. Werdel	Meeting Minutes Unit Managers Meeting 100 Aggregate Area 100 Area OU February 16 1995	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=D196029355	Contains a table of waste sites located in 100-FR-2 OU.	D	G	Y		No	No
Accession Number D196034157		100 AREA	100 AREA	1995 Feb	N. Werdel	Meeting Minutes Unit Managers Meeting 100 Aggregate Area 100 Area OU, January 19 1995	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=D196034157	Includes 100 Areas Soil Washing and Laboratory Testing; Attachment 6, Summary of 100-FR-1 activities; and Attachment #8, 100-FR-3 Soil Gas Survey. Includes maps.	D,P	G,T	S,P	A	Yes	Yes
Accession Number DA05133166		100-F	100-IU-2, 6	2007 Apr	M.S. McCormick	Meeting Minutes TPA Milestone Review Central Plateau January 18 2007	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=DA05133166	This document discusses the 100-IU-2, -6, ROD options.	D				No	No
BHI-00056		100-F	100-FR-3	1994 Sept	I.D. Jacques	*100-FR-3 Soil-Gas Survey Description of Work*	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=D196055368	Specifies the activities and procedures used to conduct a soil gas survey to assess the lateral distribution of TCE associated with groundwater in the 100-FR-3 OU.	D,H,P	G,T,Z	Y,S,X	A	No	No
BHI-00551	Rev. 0	100-F	100-FR-3	1996 Mar	DOE-RL	*Data Validation Summary Report for the 100-FR-3 Operable Unit, Round 7 Groundwater Samples*	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=D196089841	Presents a summary of data validation results for groundwater samples collected for the 100-FR-3 Groundwater Round 7 Project. The analyses performed for this project were as follows: Metals: inductively coupled plasma (ICP) metals (filtered and unfiltered); and atomic absorption metals (arsenic and lead [filtered and unfiltered]). General chemistry: anions (fluoride, chloride, sulfate, phosphate, nitrate, and nitrite). Radiochemistry and volatiles: volatile organics target compound list.	D	Z	Y	A	No	No

Table B1. Annotated Bibliography

Document ID	Rev./ Draft/ Vol.	Area	Operable Unit/Other	Date	Authors/ Originator	Title	Link	Document Description	Back-ground Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
BHI-00557		100-F	100-FR-3	1996 MAR	DOE-RL	*Data Validation Summary Report for 100-FR-3 OU Round Eight Groundwater*	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=D196099370	Summarizes validation of the 100-FR-3 OU Round 8 Groundwater data. The report addresses only those samples that have been provided for data validation review. All related QA samples, including all field quality control samples, were reviewed and validated to verify that reported sample results were of sufficient quality to meet QC objectives specified by Bechtel Hanford, Inc. (BHI).	D	G,Z	Y,S	A	No	No
BHI-00827		100-F	100-FR-1, 108-F	1996 JUL	R.A. Harris	*Data Quality Objectives to Support the Preparation of the Sampling and Analysis Plan for the 108-F Biological Laboratory*	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=D197234602	Summary intended to assist in the decision making associated with the data quality objective (DQO) process pertaining to the sampling and analysis activities in the 108-F Biological Laboratory.	D,H	G	Y,S	A	No	No
BHI-00917		100-F	100-FR-1; 100-FR-2; 100-FR-3; 100-IU-2	1996 Sept	R.E. Peterson	*Conceptual Site Models for Groundwater Contamination at 100-BC-5, 100-KR-4, 100-HR-3, and 100-FR-3 Operable Units*	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=D197142704	Presents technical information on groundwater contamination. Site information has been assembled into conceptual site models (CSMs). The evaluations conducted for this CSM report were used as a basis for the interim remedial measure (IRM) design and to guide performance monitoring.	D,H,P	G,Z,C,E,T	Y,S,X,P	A,M	Yes	Yes
BHI-01022	Rev. 0	100-F	100-F	1998 Mar	T.M. Brown, BHI	*Sampling and Analysis Instruction for the 120-F-1 Glass Dump Site*	http://www.osti.gov/scitech/servlets/purl/641280	Prepared to clearly define the sampling and analysis activities to be performed to develop the basis for surveillance and maintenance of the 120-F-1 Glass Dump site. The purpose of this investigation is to augment historical information and obtain data to establish a technical basis for surveillance and maintenance at the site.	D,H,P		Y,S	A	NO	NO
BHI-01153	Rev. 0	100-BC 100-FR 100-HR 100-KR 100-NR	100-BC-5 100-FR-3 100-HR-3 100-KR-4 100-NR-2	1998 Feb	D.B. Erb, J.V. Borghese, R.E. Peterson	*Aquifer Sampling Tube Completion Report: 100 Area and Hanford Townsite Shorelines*	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=D198103289	Summarizes the installation and sampling activities of the work performed in the fall of 1997. The summary includes the depths and locations where sampling tubes are installed, and the results of sampling activities. Recommendations for data evaluation and future use of the tubes are also included.	D,H,P	G,Z,E,T	Y,S,X,P	A,M	No	No
BHI-01494		100-BC 100-FR 100-HR 100-KR 100-NR	100-BC-5 100-FR-3 100-HR-3 100-KR-4 100-NR-2	2001 Jun	R.F. Raidl	*Aquifer Sampling Tubes Data Summary, Fall 2000*	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=D8796866	Summarizes the aquifer sampling tube results for samples collected along the Columbia River shoreline in the fall of 2000. The focus of this effort was to identify the tubes that best represented groundwater quality as compared to those affected by the groundwater/river water mixing zone. Describes the sampling methods, the results of sampling activities, a comparison of the results to fall 2000 groundwater plume maps, and recommendations for data evaluation and future use of the aquifer sampling tubes. Chromium, nitrate, TCE, gross alpha, gross beta, strontium-90, and tritium are being tracked as COCs in the 100-F Area.	D,H,P	G,Z,T	Y,S,P	A,M	No	No
BHI-01767	REV. 0	100-F	100-FR-1	2005 Mar	J.S. Decker BHI	*Temporary Sewage Holding Tanks Engineering Report for 100-F Area Remedial Action Project*	http://pdw.hanford.gov/arpir/pdf.cfm?accession=DA066902	Submitted for approval of two temporary sewage holding tanks to serve the 100-F Area Remedial Action Project. Project support facilities are required for the 100-F Area Remedial Action Project. These facilities will provide office and workspace for the supervisors, engineers, technicians, and craft workers engaged in field work. The facilities will be temporary, modular buildings sized to accommodate the anticipated staff for approximately 3.5 years.	D,H,P	G,Z,C,T			NO	NO
BNWL-1337		100-F	100-F	1970 Mar	F.W Albaugh	*Pacific Northwest Laboratory Monthly Activities Report February 1970*	http://www.osti.gov/scitech/servlets/purl/10167442	Monthly Pacific Northwest Laboratory (PNL) Division of Production and Hanford Plant Assistance Programs activities report details program progress for the month of February 1970.	D,H,P	G,H	Y,S	A	Yes	No

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BNWL-1649		100 Area	100 Area	1972 Jan	K.L. Kipp, PNNL	*Radiological Status of the Groundwater Beneath the Hanford Project January–June 1971*	http://www.osti.gov/scitech/servlets/purl/4637548	Prepared semiannually to provide an evaluation of the status of groundwater contamination resulting from disposal of Hanford plant effluents. The data presented in this report were collected during the first 6 months of 1971.	D,P		Y	A	NO	NO
BNWL-1790		100 Area	100 Area	1973 Oct	R.R. Olendorff	*Raptorial Birds of the U.S.A.E.C. Hanford Reservation, South-Central Washington*	http://www.osti.gov/scitech/servlets/purl/4412069	Based on a study performed in 1973 regarding certain species of birds, their nesting habits, results, analysis, and comparisons to other sites.	D,H	E		A	NO	NO
BNWL-1860		100 Area	100 Area	1972 JAN	K.L. Kipp, PNNL	*Radiological Status of the Groundwater Beneath the Hanford Reservation January - December 1973*	http://www.osti.gov/scitech/servlets/purl/4244313	Prepared semiannually to provide an evaluation of the status of groundwater contamination resulting from disposal of Hanford plant effluents. Covers both the January-June and July-December time periods of 1973. The maps of the contamination plumes (and the data tables) are presented for the two semiannual periods to allow for comparison with previous report periods on the same basis. The data presented in this report were collected during 1973.	D,P		Y	A	NO	NO
BNWL-2034		Hanford Site	Hanford Site	1975 Jan	D.A. Myers, J.J. Fix, P.J. Blumer, J.R. Raymond, V.L. McGhan, E.L. Hilty	*Environmental Monitoring Report on the Status of Ground Water Beneath the Hanford Site January-December 1975*	http://www.osti.gov/scitech/servlets/purl/7311567	Prepared annually to provide an evaluation of the status of groundwater contamination resulting from Hanford onsite discharges. Covers the data collected from January through December 1975. The maps of the contamination plumes and the data tables are provided to allow comparison with previous report periods. The previous report in this series was BNWL-1970, *Environmental Monitoring Report on Radiological Status of the Ground Water Beneath the Hanford Site, January-December, 1974*. An additional parameter included in this report is the distribution of groundwater temperatures beneath the site.	D,H,P	Z	S,X,P	A	No	No
BNWL-CC-1931		Hanford Site	Hanford Site	1968 Nov	J.F. Honstead, R.T. Jaske	*1967 Columbia River Temperature Analysis*	http://www.osti.gov/scitech/servlets/purl/10173108	Compares the temperatures and thermal additions to the river from Hanford during 1967 with the limits specified by the Washington State Pollution Commission. Two factors complicate the problem of evaluating Hanford operations that alter the temperatures in the river: (1) natural heating or cooling imposes temperature changes between the plant and downstream measuring locations, and (2) wide flow fluctuations on a daily and weekly basis resulting from upstream dam regulation are reflected in similar temperature fluctuations. Using 1967 data, this report identifies the Hanford temperature contribution at both 100-F and Richland. The effects of daily and weekly averaging as well as measurement location are presented.	D,H			A	No	No
C-00-02		100-F	100-IU-6	2000 May	DOE/EPA	*Federal Facility Agreement and Consent Order Change Control Form Reassignment of Waste Management Units From 300-FF-2 OU TO 100-IU-6 OU*	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=D8342043	Describes the reassignment of WMUs from the 300-FF-2 OU to the 100-IU-6 OU.	D	T			No	No
C-94-01		100-F	100-IU-6	1994 Jul	EPA, DOE, Ecology	*Federal Facility Agreement and Consent Order Change Control Form Redesignate 200-IU-4 OU AS 100-IU-6 OU*	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=D196048918	Determines that 200-IU-4 OU is transferred to the new 100-IU-6 OU.	D				No	No

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C-96-05		100-F	100-IU-2	1996 Oct	DOE, EPA	*Federal Facility Agreement and Consent Order Change Control Form Revision to 100-FR-3 OU Boundaries to Include Groundwater Under 100-IU-2 and 100-IU-5*	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=D197189333	Revises the boundaries of 100-FR-3 OU to include the groundwater under and any plumes associated with the 100-IU-2 and 100-IU-5 OUs.	D	T,Z	S,P		No	No
CVP-2001-00001	REV. 0	100-F	100-FR-2	2002 Jul	BHI	*Cleanup Verification Package for the 100-F-2 Strontium Garden*	http://pdw.hanford.gov/arpir/pdf.cfm?accession=D9147680	Documents completion of remedial action for the 100-F-2 Strontium Garden. The site was established to study the behavior of plants grown in soil containing cesium-137 and strontium-90, under controlled conditions of soil tillage, irrigation, cropping, and abandonment. Uptake of the radionuclides was measured in specific vegetation and insects. The site meets cleanup standards and has been reclassified as interim closed out.	D,P	G,Z	Y,S,X	A,M	YES	NO
CVP-2001-00001	REV. 0	100-F	100-FR-2	2002 Jul	BHI	*Cleanup Verification Package for the 100-F-4, 100-F-11, 100-F-15, and 100-F-16 French Drains*	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=D9147683	Documents completion of remedial action for the 100-F-4, 100-F-11, 100-F-15, and 100-F-16 French drains (also referred to as the 100-F-15 site). The four French drains were located near the perimeter of the former 108-F Building within the 100-FR-2 OU. The site was excavated, the building foundation was removed, and the four French drains were removed as part of the decommissioning and demolition of the 108-F Laboratory Building in 1999. However, the sites were not sampled to verify cleanup of the individual French drains at that time.	D,P	G,Z	Y,S,X	A,M	YES	NO
CVP-2001-00002	REV. 0	100-F	100-FR-1	2002 May	BHI	*Cleanup Verification Package for 100-F-19:1 and 100-F-19:3 Reactor Cooling Water Effluent Pipelines 100-F-34 Biology Facility French Drain and 116-F-12 French Drain*	http://pdw.hanford.gov/arpir/pdf.cfm?accession=D9084971	The 100-F-19:1 North Pipelines, 100-F-19:3 West Pipelines, 100-F-34 Biology Facility French Drain, and the 116-F-12 French Drain have been remediated to meet the cleanup standards. Remedial actions were performed so as to allow rural residential use of shallow-zone soils and to protect groundwater and the Columbia River. The basis for reclassification is described in detail in the CVP for the 100-F-19:1 North Pipelines, 100-F-19:3 West Pipelines, 100-1744 Biology Facility French Drain, and 116-F-12 French Drain. The CVP does not demonstrate the acceptability of unrestricted access to deep-zone soils; therefore, institutional controls to prevent uncontrolled drilling or excavation into deep-zone soils are required.	D,H,P	G,Z	Y,S,X	A,M	YES	NO
CVP-2001-00003	REV. 0	100-F	100-FR-1	2003 Jul	BHI	*Cleanup Verification Package for 100-F-19:2 Reactor Cooling Water Effluent Pipeline 116-F-11 Cushion Corridor French Drain UPR-100-F-1 Sewer Line Leak and 100-F-29 Experimental Animal Farm Process Sewer Pipelines*	http://pdw.hanford.gov/arpir/pdf.cfm?accession=D5613085	Documents completion of remedial action for the 100-F-19:2 South Pipelines subsite of the 100-F-19 Reactor Cooling Water Effluent Pipelines waste site. Also included in this CVP are the 116-F-11 Cushion Corridor French Drain, UPR-100-F-1 Sewer Line Leak, and the 100-F-29 EAF Process Sewer Pipeline sites that were co-located with the 100-F-19 pipelines and were remediated along with the pipelines.	D,H,P	G,Z,T	Y,X	A,M	YES	NO
CVP-2001-00005	REV. 0	100-F	100-FR-1	2003 Mar	DOE-RL	*Cleanup Verification Package for 116-F-2 107-F Liquid Waste Disposal Trench*	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=D1169096	The 116-F-2, 107-F Liquid Waste Disposal Trench has been remediated to meet the cleanup standards. Remedial actions were performed so as to allow rural residential use of shallow-zone soils and to protect groundwater and the Columbia River. The basis for reclassification is described in detail in the CVP for the 116-F-2, 107-F Liquid Waste Disposal Trench. The CVP does not demonstrate the acceptability of unrestricted access to deep-zone soils; therefore, institutional controls to prevent uncontrolled drilling or excavation into deep-zone soils are required.	D,H,P	G,Z	Y,S,X	A,M	YES	NO

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CVP-2001-00006		100-F	100-FR-1; 116-F-4	2001 Nov	BHI	*Cleanup Verification Package for 116-F-4 Pluto Crib*	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=D8930444	CVP documenting completion of remedial action for the 116-F-4 Pluto Crib that is located within the 100-FR-1 OU.	D,H	G	Y,S	A,M	Yes	Yes
CVP-2001-00007		100-F	100-FR-1; 116-F-5	2001 Apr	BHI	*Cleanup Verification Package for 116-F-5 Ball Washer Crib*	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=D5627222	CVP documenting the 116-F-5 Ball Washer Crib site investigation and demonstrates that the site meets the rural residential land use and groundwater and surface water protectiveness objectives.	D,H	G,Z,T	Y,S	A,M	Yes	No
CVP-2001-00008		100-F	100-FR-1	2002 Oct	BHI	*Cleanup Verification Package for 116-F-9 Animal Waste Leaching Trench*	http://pdw.hanford.gov/arpir/pdf.cfm?accession=D9181193	CVP documenting completion of remedial action for the 116-F-9 Animal Waste Leaching Trench. During the operative years of the 100-F Area EAF, animal pens housed animals used for experimental purposes. When the pens were cleaned, water containing animal wastes was flushed to the 116-F-9 Trench. The selected remedial action for the 116-F-9 site included (1) excavating the site to the extent required to meet specified soil cleanup levels, (2) disposing of contaminated excavation materials at ERDF, and (3) backfilling the site with clean soil to average adjacent grade elevation.	D,H,P	G,Z	Y,S,X	A,M	YES	NO
CVP-2001-00009	REV. 0	100-F	100-FR-1	2002 Jul	BHI	*Cleanup Verification Package for 116-F-14 Retention Basin*	http://pdw.hanford.gov/arpir/pdf.cfm?accession=D9121762	The 116-F-14 Retention Basin has been remediated to meet the cleanup standards. Remedial actions were performed so as to allow rural residential use of shallow-zone soils and to protect groundwater and the Columbia River. The basis for reclassification is described in detail in the CVP for the 116-F-14 Retention Basin. The CVP does not demonstrate the acceptability of unrestricted access to deep-zone soils; therefore, institutional controls to prevent uncontrolled drilling or excavation into deep-zone soils are required.	D,H,P	G,Z	Y,S,X	A,M	YES	NO
CVP-2001-00010		100-F	100-FR-1; 1607-F6	2001 Nov	BHI	*Cleanup Verification Package for 1607-F6 Septic System and Pipelines*	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=D8930454	CVP documenting that the 1607-F6 Septic System and Pipelines site was remediated with the preferred remedy specified in the Remaining Sites ROD (EPA/ROD/R10-99/039).	D,H	G	Y,S	A,M	Yes	Yes
CVP-2001-00011		100-FR-1	100-F-2	2002 Apr	BHI, DOE	*Cleanup Verification Package for UPR-100-F-2 Basin Leak Ditch*	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=D9061468	Documents that the UPR-100-F-2 Site was remediated according to the preferred remedy specified in the Amendment to the Interim Action Record of Decision for the 100-BC-1, 100-DR-1, and 100-HR-1 Operable Units.	D,H	G,Z,T	Y,S,X	A	Yes	Yes
CVP-2001-00020	Rev. 0	100-IU-6	100-IU-6	2001 Dec	BHI	*Cleanup Verification Package for 600-23 Dumping Area*	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=D8930482	CVP documenting completion of remedial action for the 600-23 Dumping Area (also referred to as the 600-23 site). The 600-23 site is located in the east-central part of the Hanford Site. The 600-23 site is part of the 100-IU-6 OU and is located north of the Wye Barricade and south of the Hanford Townsite. Results of the sampling, laboratory analyses, and data evaluations for the 600-23 site indicate that all RAOs and goals for direct-exposure, protection of groundwater, and protection of the Columbia River have been met.	D,H,P	G,Z,T	Y,S	A	Yes	No
CVP-2002-00004	Rev. 1	100-F	100-FR-2	2007 Oct	WCH	*Cleanup Verification Package for the 126-F-1, 184-F Powerhouse Ash Pit*	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=DA06101373	CVP documenting completion of remedial action for the 126-F-1, 184-F Powerhouse Ash Pit. Results of the verification sampling, laboratory analyses, and data evaluations for the 126-F-1 site indicate that all RAOs and goals for direct exposure, protection of groundwater, and protection of the Columbia River have been met.	D,H,P		Y,S,X	A	YES	NO
CVP-2002-00005	REV. 0	100-F	100-FR-1	2003 Mar	DOE-RL	*Cleanup Verification Package for 1607-F2 Septic System*	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=D1168993	CVP documenting completion of remedial action for the 1607-F2 Septic System (also referred to as the 1607-F2 site). The septic system consists of a septic tank, tile field, and associated pipeline. The septic system is southwest of the 116-F-14 (107-F Retention Basin). The septic system serviced the 184-F, 190-F, 105-F, 108-F, and the 1700 Administration Service Buildings. The site meets cleanup standards and has been reclassified as Interim Closed Out.	D,H,P	G,Z	Y,S,X	A,M	YES	NO

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CVP-2002-00007	REV. 0	100-F	100-FR-2	2003 Jun	BHI	*Cleanup Verification Package for 100-F-35 Soil Contamination Site*	http://pdw.hanford.gov/arpir/pdf.cfm?accession=D5627628	CVP documenting completion of remedial action for the 100-F-35 Soil Contamination Site. The 100-F-35 site isolated southwest of the 105-F Reactor Building within the 100-FR-2 OU. During excavation of the 116-F-4 Pluto Crib, contaminated soil was stored in a container at the 100-F-35 location before being transported to ERDF. The container is suspected to be the source of contamination at the 100-F-35 site.	D,H,P	Z,T	Y,X	A,M	YES	NO
CVP-2002-00008	REV. 0	100-F	100-FR-1	2003 Jun	BHI	*Cleanup Verification Package for 116-F-3 Fuel Storage Basin Trench*	http://pdw.hanford.gov/arpir/pdf.cfm?accession=D5627740	CVP documenting completion of remedial action for the 116-F-3 Liquid Waste Disposal Trench. The 116-F-3 site is located within the 100-FR-1 OU. The site is located approximately 40 m (131 ft) south of the 105-F Reactor Building inside the 105-F Exclusion Area Fence. The site was an unlined trench 30 m (100 ft) long, 6.1 m (20 ft) wide, and 2.4 m (8 ft) deep. The trench received reactor cooling water (process effluent) during a 1947 fuel rupture outage and in 1951 received sludge from the 105-F Reactor Fuel Storage Basin. The trench was backfilled sometime after receiving the sludge.	D,H,P	G,Z,T	Y,X	A,M	YES	NO
CVP-2003-00003	REV. 0	100-F	100-FR-1	2003 Jun	BHI	*Cleanup Verification Package for 116-F-10 105-F Dummy Decontamination French Drain*	http://pdw.hanford.gov/arpir/pdf.cfm?accession=D5627844	CVP documenting completion of remedial action for the 116-F-10, 105-F Dummy Decontamination French Drain. The site is located approximately 50 m (164 ft) south of the 105-F Reactor Building. The French drain was made of vitrified tile pipe 0.9 m in diameter by 3 m deep, resting on a bed of sand and gravel about 3 m deep. The drain was used from 1948 until 1965 and received approximately 400,000 L of radioactive liquid water rinses and spent nitric acid that had been used for decontamination of fuel element spacers and other reactor hardware.	D,H,P	Z,T	Y,X	A,M	YES	NO
CVP-2003-00010	REV. 0	100-F	100-FR-1	2003 Jul	BHI	*Cleanup Verification Package for the 100-F--25, 146-FR Drywells and the UPR-100-F-3 Mercury Spill*	http://pdw.hanford.gov/arpir/pdf.cfm?accession=D5628092	CVP documenting completion of remedial action for the 100-F-25, 146-FR Drywells and the UPR-100-F-3 Mercury Spill. The 100-F-25 site is located approximately 75 m (246 ft) south/southwest of the 116-F-8 Outfall site. The 100-F-25, 946-ER Drywells were a pair of French drains associated with the 146-F and 146-FR Aquatic Biology and Fish Ponds Laboratories, which both housed research on the effects of ionizing radiation on fish. The French drains are believed to have received liquid wastes from 146-F and 146-FR research laboratories and ponds. The other waste site included in this CVP, the UPR-100-F-3 Mercury Spill, is an unplanned release that occurred at the northeast comer of the 146-FR Building.	D,H,P	Z,T	Y,X	A,M	YES	NO
CVP-2003-00011	Rev. 0	100-F	100-FR-1	2003 July	R.A. Carlson, WCH	*Cleanup Verification Package for 100-F-23 141-C Drywell*	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=D5628197	CVP documenting completion of remedial action for the 100-F-23, 141-C Drywell. Results of the sampling, laboratory analyses, and data evaluations for the site indicate that all RAOs and RAGs for direct exposure, protection of groundwater, and protection of the Columbia River have been met.	D,H,P	T,Z	S,Y,X	A,M	YES	NO
CVP-2003-00012	REV. 0	100-F	100-FR-1	2003 Jul	BHI	*Cleanup Verification Package for 100-F-24 145-F Drywell*	http://pdw.hanford.gov/arpir/pdf.cfm?accession=D5628309	CVP documenting completion of remedial action for the 100-F-24, 145-F Drywell/French Drain The 100-F-24 site is located approximately 93 m (305 ft) east of the 116-F-14, 107-F Retention Basin. The 100-F-24 site was a French drain associated with the 145-F Animal Monitoring Laboratory, which housed animal research on the effects of ionizing radiation. The French drain is believed to have received liquid wastes from 145-F Building research laboratories.	D,H,P	G,Z	Y,X	A,M	YES	NO

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CVP-2003-00017	REV. 0	100-F	100-FR-1	2004 Apr	BHI	*Cleanup Verification Package for 118-F-8:1 105-F Reactor Below Grade Structures and Underlying Soils 1118-F-8:3 105-F Fuel Storage Basin Underlying Soils and 100-F-10 French Drain* [Section 1 of 4]	http://pdw.hanford.gov/arpir/pdf.cfm?accession=D5632072	CVP documenting completion of the removal action and verifies the protectiveness of remaining below-grade structures and soils for the 105-F Reactor Ancillary Support Areas (WIDS subsite 118-F-8:1) and for the underlying soils of the 105-F Fuel Storage Basin (FSB) (118-F-8:3). This CVP includes all portions of the 118-F-8:1 subsite below grade structures and soils that were identified as contaminated or potentially contaminated. The FSB was removed in its entirety. An area of soil at the western boundary of the FSB excavation, however, requires additional remediation and has been assigned a separate WIDS identifier of 118-F-8:4.	D,H,P	G,Z	Y,X	A,M	YES	NO
CVP-2006-00007	Rev. 0	100-F	100-FR-2	2006 Oct	WCH	*Cleanup Verification Package for the 118-F-7, 100-F Miscellaneous Hardware Storage Vault*	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=DA04027818	CVP documenting completion of remedial action for the 100-F, Miscellaneous Hardware Storage Vault (also referred to as the 118-F-7 site). The 118-F-7 site is located within the 100-FR-2 OU in the 100-F Area. The site meets cleanup standards and has been reclassified as Interim Closed Out in accordance with the Hanford Federal Facility Agreement and Consent Order (Ecology et al. 1989) and the Waste Site Reclassification Guideline TPA-MP-14 (RL-TPA-90-0001) (DOE-RL 1998).	D,H,P	T,Z	S,Y,X	A,M	NO	NO
CVP-2006-00008	Rev. 0	100-F	100-FR-2	2006 Dec	L.M. Dittmer, WCH	*Cleanup Verification Package for the 118-F-3, Minor Construction Burial Ground*	http://www.osti.gov/scitech/servlets/purl/945298	CVP documenting completion of remedial action for the 118-F-3, Minor Construction Burial Ground waste site. The 118-F-3 site is located within the 100-FR-2 OU in the 100-F Area. The site meets cleanup standards and has been reclassified as Interim Closed Out in accordance with the *Hanford Federal Facility Agreement and Consent Order* (Ecology et al. 1989) and the *Waste Site Reclassification Guideline TPA-MP-14* (RL-TPA-90-0001) (DOE-RL 1998).	D,H,P		Y,S	A	NO	NO
CVP-2006-00009	REV. 0	100-F	100-FR-2	2007 Jan	WCH	*Cleanup Verification Package for 100-F-20 Pacific Northwest Laboratory Parallel Pits*	http://pdw.hanford.gov/arpir/pdf.cfm?accession=da04485283	Results of verification sampling of the soils at the 100-F-20 waste site demonstrated that residual contaminant concentrations do not preclude any future uses and allow for unrestricted use of shallow-zone soils. The results also showed that residual contaminant concentrations are protective of groundwater and the Columbia River. The waste site does not have a deep zone; therefore, no institutional controls are required. The basis for reclassification is described in detail in the CVP for the 100-F-20.	D,H,P	G,Z,T	Y,X	A,M	NO	NO
CVP-2007-00002	Rev. 0	100-F	100-FR-2	2007 Oct	L.M. Dittmer, WCH	*Cleanup Verification Package for the 118-F-2 Burial Ground*	http://www.osti.gov/scitech/servlets/purl/945293	CVP documenting completion of remedial action, sampling activities, and compliance with cleanup criteria for the 118-F-2 Burial Ground. Results of verification sampling, laboratory analyses, data evaluations, and modeling for the 118-F-2 Burial Ground indicate that all RAOs for direct exposure, protection of groundwater, and protection of the Columbia River have been met.	D,H,P	E,G,T,Z	Y,S	A	YES	NO
CVP-2007-00003	REV. 0	100-F	100-FR-2	2008 Mar	WCH	*Cleanup Verification Package for the 118-F-5 PNL Sawdust Pit*	http://pdw.hanford.gov/arpir/pdf.cfm?accession=0805290309	Demonstrates that the 11 8-F-5 PNL Sawdust Pit (1 18-F-5 Burial Ground) was remediated and meets the objectives and goals for interim closure. The results of verification sampling show that residual contaminant concentrations do not preclude any future uses and allow for unrestricted use of shallow-zone soils. The results also demonstrate that residual contaminant concentrations are protective of groundwater and the Columbia River. Site contamination did not extend into the deep-zone soils; therefore, institutional controls to prevent uncontrolled drilling or excavation into the deep zone are not required.	D,H,P	G,Z,T	S,Y	A	NO	NO
CVP-2008-00001	Rev. 0	100-F	100-FR-2	2008 Jun	H.M. Sulloway	*Cleanup Verification Package for the 118-F-6 Burial Ground*	http://www.osti.gov/scitech/biblio/945223	CVP documenting completion of remedial action for the 118-F-6 Burial Ground located in the 100-FR-2 OU of the 100-F Area on the Hanford Site. The trenches received waste from the 100-F EAF, including animal manure, animal carcasses, laboratory waste, plastic, cardboard, metal, and concrete debris, as well as a railroad tank car.	D,H,P	G,Z,T	Y,S	A	Yes	No

Table B1. Annotated Bibliography

Document ID	Rev./ Draft/ Vol.	Area	Operable Unit/Other	Date	Authors/ Originator	Title	Link	Document Description	Back-ground Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
D196034156		100 Area	100 Area	1994 Aug	E.D. Goller	*Meeting Minutes Unit Managers Meeting 100 Aggregate Area 100 Area OU July 28 1994*	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=D196034156	Provides the general status of 100 Areas remediation/treatment of groundwater. Attachment 1 p. 1-2 includes 100-F information about soil washing and the testing of soils to determine the effects of dust suppressant chemicals on soil washing activities.	D,P	G			No	No
D196069094		100-F	100-FR-1	1990 Jun	K. Brewer	*Dog Studies in 100-F Area Project CVO30419.B0.02*	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=D196069094	Jim Parks worked at the animal research facilities in F Area from1961 to 1976. He said that the main isotopes used in the dog studies were plutonium-238 and -239. Small amounts of cerium and iodine were also used. Most of the animal excrement would have been retained in the metabolism cages. Most of this excrement was used for analysis. He said that any that was not used probably went into radiation boxes for burial, but he was not certain on this point. The dog carcasses were also used in the lab for analysis. The procedure consisted of ashing the carcass in a muffle furnace and then continuing the digestion with an acid. The final white ash that was produced was used in the radionuclide analysis. He said that he would guess that 95 percent of the carcasses and excrement underwent this process. The waste from the lab was disposed of in radiation boxes and buried.	D,H,P				No	No
D196069095		100-F	100-FR-1	1990 Jun	K. Brewer	*100-F Area Animal Farm Project CVO30419.BO.02*	http://pdw.hanford.gov/arpir/pdf.cfm?accession=D196069095	Details the activities that occurred at the animal farm.	D,H,P	E			NO	NO
D196069173		100-F	100-FR-1	1990 May	K. Brewer	Notes From 100-F Area Site Visit Project CV030419.BO.02	http://pdw.hanford.gov/arpir/pdf.cfm?accession=D196069173	A set of notes from 100-F Area Site Visit. It provides some good descriptions.	D				NO	NO
D196070306		100 Area	100 Area	1994 May	E.D. Goller	Meeting Minutes Unit Managers Meeting 100 Aggregate Area 100 Area OU March 31, 1994	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=D196070306	Attachment 5, p. 2, gives an update on the 100 Area Treatability Test Status for Soil Washing. Data indicated that after being rinsed with water, rocks from the 116-F-4 crib still contain cesium-137 activity above soil washing test performance levels. As a result, additional tests are being conducted to evaluate chemical extraction and/or grinding processes to treat the rocks. 100-F centrifugal barrel grinding soil tests are in progress. All tests are expected to be completed by mid-March. A draft report for review by DOE-RL is scheduled to be completed by April 30, 1994.	D,P	G		A	No	No
D196105803		100 Area	100 Area	1993 NOV	E.D. Goller	Meeting Minutes Unit Managers Meeting 100 Aggregate Area 100 Area OU September 29, 1993	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=D196105803	Contains 100-FR-1 and 100-FR-3 information in Attachments 10-OU LFI Vadose Investigation Validated Data Memorandum and 11- OU LFI Groundwater Investigation Validated Data Memorandum.	D	G,Z,T			No	No
D196107085		Hanford Site	Hanford Site	1993 Nov	DOE-RL	Hanford Update Volume 5 No. 1 November 1993	http://pdw.hanford.gov/arpir/pdf.cfm?accession=D196107085	Quarterly newsletter of the environmental restoration of the Hanford Site. State and federal agencies reached tentative agreement on Thursday, September 30, 1993, negotiating major changes to the Tri-Party Agreement. These changes include revised milestones in key tank farm areas, accelerated cleanup of groundwater and contaminated soils near the Columbia River, and greater regulator participation in the Hanford budget and planning process. Reducing the spread and the mass of contaminated groundwater on the Hanford Site will be a high priority for the agencies over the next several years.	D,H	G,Z	Y,P		NO	NO
D196107427		100 Area	100 Area	1993 Jul	E.D. Goller	Meeting Minutes Unit Managers Meeting 100 Aggregate Area 100 Area OU June 23 1993	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=D196107427	Gives an update and status of the 100-F, 100-FR-1, and 100-FR-3 areas. A table of automated water level recorders (M-30-05) is provided for the 100-F Area; in the 100-FR-1 Area, preliminary laboratory data from the vadose boreholes are included; and in the 100-F-3 Area, complete data for OU LFI Task 3 Geological Investigation is noted.	D	G,Z	Y,S	A	Yes	No

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D196115230		100 Area	100 Area	1993 Aug	E.D. Goller	Meeting Minutes Unit Managers Meeting 100 Aggregate Area 100 Area OU July 28 1993	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=D196115230	Gives the status and work plan for the 100-FR-1, 100-FR-3 Area, and contains a table showing the location where automated water level recorders have been placed in the 100-F Area.	D,P	G,Z	Y,S,X	A	No	No
D196116849		100 Area	100 Area	1992 Oct	E.D. Goller	Meeting Minutes Unit Managers Meeting 100 Aggregate Area 100 Area OU September 23 1992	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=D196116849	Contains information on the 100-F Area: Attachment 12, 100-FR-1-1993 Vadose Drilling-Table; Attachment 13, 100-FR-3 OU Work Plan 100-FR-3 Drilling Status Table.	D				No	No
D198019475		100 Area	100 Area	1997 Oct	DOE-RL	*Remedy Selection Process for Remaining 100 Area Source OU Waste Sites*	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=D198019475	Focuses on all 100 Area source OU waste sites not previously addressed in the 1995 ROD and the 1997 ROD Amendment. These waste sites, termed the "100 Area Remaining Sites" or "Remaining Sites," include 441 waste sites in five reactor areas and in the 100-IU-2 and 100-IU-6 OUs of the 100 Area. Waste sites in the 100-N Reactor Area are not included in the Remaining Sites and are planned to be addressed in separate decision documents.	D,H,P	G,Z,E,T			No	No
D199055254		100-BC 100-DR 100-F	100-BC-1 100-BC-5 100-DR-1 100-FR-1 100-FR-3	1992 Jan	DOE-RL	*Current Status of OU Investigations CERCLA Process February 5 Through 6 1992*	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=D199055254	Report about the Hanford Cleanup Agreement Milestone M-12-13. The 100-FR-1 OU received wastes containing both hazardous and radiological constituents (mixed wastes). These wastes were released directly to the soil column in association with large amounts of water. RIs will focus on near-term identification of areas requiring interim actions to stop existing or potential threats to public health and the environment.	D,H,P		Y,X		No	No
D199158735		100-F	100-FR-3	1999 Jul	DOE-RL	*Risk Impact Technical Report for Hanford Groundwater Vadose Zone Integration Project Final Draft*	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=D199158735	Describes methods for evaluating different kinds of risks and other impacts that could result from multiple contamination sources. Appendix A contains plume maps.	D	G,Z,E,T	Y,S,P	A,M	Yes	Yes
D199159235		100-BC 100-F 100-H 100-K 100-N 100-F	100-BC-5 100-FR-3 100-HR-3 100-KR-4 100-NR-2 100-F	1999 Oct	R.D. Hildebrand	Requested Tritium Data and Maps from Judit German-Heins	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=D199159235	Contains Hanford Site groundwater data and maps showing the distribution of tritium; includes 100-F Area.		Z,T	Y,P		Yes	Yes
D8350914		IU-6	IU-6	2000 Jun	M. Gearheard, M.A. Wilson, H.L. Boston	*Explanation of Significant Difference for 100 Area Remaining Sites Record of Decision USDOE Hanford 100 Area 100-IU-6 OU*	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=D8350914	The 600-23 and JA Jones #1 waste sites were determined to require remediation because of the presence of radiological and hazardous substances in concentrations that pose a threat to human health and the environment. Based on a qualitative risk estimate, it was determined that these sites contain radioactive contaminants that exceed an incremental cancer risk of 10-4 and/or contain chemical contaminants that exceed unacceptable risk levels. Contains a map showing the location of the 100-IU-6 OU and Waste Site 600-23.	D,H,P	G,E,T	Y,S,X		Yes	No
D8453142		100-F	100-FR-2; 100-F-20	2000 Sept	C.E. Findley, K. Klein, M.A. Wilson	*Declaration of Record of Decision for 100-BC-1 100-BC-2 100-DR-1 100-DR-2 100-FR-2 100-HR-2 100-KR-2 100 Area Burial Grounds Hanford Site Benton County Washington*	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=D8453142	This decision document presents the selected interim remedial actions for portions of the 100 Area Burial Grounds.	D,H,P	G,Z,E,T	Y,D	A	Yes	Yes

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Document ID	Rev./ Draft/ Vol.	Area	Operable Unit/Other	Date	Authors/ Originator	Title	Link	Document Description	Back-ground Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
DOE/EA-1454		100-F 100-H 100-N	100-F 100-H 100-N	2003 Mar	DOE-RL	*Environmental Assessment for Reactivation and Use of Three Former Borrow Sites in 100-F 100-H and 100-N Areas* [Section 1 of 5]	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=00099825	The Environmental Restoration Division (ERD) prepared the subject Environmental Assessment (EA) to analyze whether the potential environmental impacts of proposed action are significant and would require preparation of an Environmental Impact Statement (EIS). Based on the impacts discussed in the draft EA and considering comments received from the Nez Perce Tribe, the Yakama Nation, the U.S. Fish and Wildlife Service, the Washington State Department of Fish and Wildlife, and Ecology, the panel concluded that the potential environmental impacts of these actions are not significant in the NEPA sense. Therefore, the Panel recommends that the EA be resolved by a Finding of No Significant Impact (FONSI). Attached are the final EA and FONSI.	D,H,P	Z,C,E	Y,X	A	YES	YES
DOE/EA-1454		100-F 100-H 100-N	100-F 100-H 100-N	2003 Mar	DOE-RL	*Environmental Assessment for Reactivation and Use of Three Former Borrow Sites in 100-F 100-H and 100-N Areas* [Section 2 of 5]	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=00099824	Contains several letters among agencies regarding the Bald Eagle Site Management Plan (BESMP) regarding environmental impacts. Also contains an extensively marked draft copy of DOE/EA-1454 Decisional Draft.	D,H,P	E		A	YES	NO
DOE/EA-1454		100-F 100-H 100-N	100-F 100-H 100-N	2003 Mar	DOE-RL	*Environmental Assessment for Reactivation and Use of Three Former Borrow Sites in 100-F 100-H and 100-N Areas* [Section 5 of 5]	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=00099821	Internal scoping meeting minutes for the new borrow sites project, with sections including a short report on Temporary Borrow Area For 100-F Remedial Action Project, task details, checklists, letters, and other related documents.	D,P	E		A	YES	YES
DOE/RL-2000-02	Draft A	100-F	105-F	2000 Feb	DOE-RL	*Characterization Plan for the 105-F Phase IV Stage 1 Fuel Storage Basin*	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=D8415390	Presents the rationale and strategy for the sampling and analysis activities proposed in support of interim closure of the 105-F fuel storage basin. This project is Phase IV of the four-phase Interim Safe Storage (ISS) Project to remove and dispose of the rooms and facilities surrounding the 105-F and 105-DR Reactors.	C,H,P	G,Z,T	Y,S	A,M	No	No
DOE/RL-2000-54 ADDENDUM 1	Rev. 0	100-F	100-FR-1	2002 Apr	DOE-RL	*Addendum to Sampling and Analysis Plan for 105-F Fuel Storage Basin*	http://pdw.hanford.gov/arpir/pdf.cfm?accession=D9035388	Prepared as an addendum to the SAP for the 105-F Phase IV Fuel Storage Basin. The expected condition in the bottom of the 105-F Fuel Storage Basin was equipment and debris (WS#5), and reasonably well homogenized sludge (WS#3). For logistical reasons, the removal of the lower fill occurred in two 38 cm [15-in.] lifts, which reduced the homogenization of the material. As the bottom material was excavated, large amounts of activated metal were also encountered.	D,P		Y	A	YES	NO
DOE/RL-2000-59	Draft A	100 Area	100 Area	2000 Aug	DOE-RL	*Sampling and Analysis Plan for Aquifer Sampling Tubes*	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=D8509895	Presents the rationale and strategies for the sampling of aquifer tubes adjacent to and within the Columbia River along the 100 Areas. The purpose of this sampling is to verify the presence or absence of COCs in the Columbia River, increase knowledge of nature, concentrations, and extent of chemical and radiological contaminants in groundwater entering the Columbia River, and support risk assessment decisions as well as final actions in the River Corridor OUs.	D,H,P	G,Z	Y,S,X	A	No	No
DOE/RL-2000-59	Rev. 0	100-F	100-FR-3; 100-IU-2; 100-IU-6	2000 Oct	DOE-RL	*Sampling and Analysis Plan for Aquifer Sampling Tubes*	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=D8510131	This SAP presents the overall rationale and strategy for the sampling and analyses proposed for samples collected from aquifer sampling tubes adjacent to and within the Columbia River. Fiscal year (FY) -specific sampling locations are documented.	D,H	Z,T	S,Y	A	No	No
DOE/RL-2003-49	Rev. 0	100-F	100-FR-3	2003 Oct	DOE-RL	*100-FR-3 Operable Unit Sampling and Analysis Plan*	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=D3429575	Continues long-term groundwater monitoring and extends the study of the effect that contamination at 100-FR-3 has had on the nearshore environment of the Columbia River. This plan provides guidance for measuring the decay or decline in concentration of contamination already in groundwater.	D,H,P	G,Z,E,T	Y,S	A	Yes	Yes

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Document ID	Rev./ Draft/ Vol.	Area	Operable Unit/Other	Date	Authors/ Originator	Title	Link	Document Description	Back-ground Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
DOE/RL-2003-49	REV. 1	100-F	100-FR-3	2004 Sept	DOE-RL	*100-FR-3 Operable Unit Sampling and Analysis Plan*	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=0811040295	Describes groundwater sampling and analysis requirements for the 100-FR-3 OU. It specifies wells, aquifer sampling tubes, and shoreline springs to be monitored, constituents to be analyzed, and frequency of sampling. This monitoring plan differs from the previous plan slightly in the wells and constituents monitored. The changes were based on evaluating data collected under previous monitoring plans.	D,H,P	G,Z,T	Y,S,P	A,M	Yes	No
DOE/RL-2004-31	Rev. 1	100-F	100-FR-3	2005 May	DOE-RL	*Waste Control Plan for 100-FR-3 OU*	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=DA780642	This waste control plan (WCP) applies to the management of investigation-derived waste generated from groundwater well sampling, aquifer sampling tube and seep sampling, aquifer testing, groundwater well or aquifer tube installation and development, well maintenance, decommissioning and alteration, water level measurements (both manual and transducer), screening analysis liquids, and equipment decontamination for the 100-FR-3 OU SAP (DOE/RL-2003-49). That SAP covers the informally defined 100-FR-3 groundwater interest area, which includes the OU and surrounding area. Attachment 1 of this WCP identifies specific investigation-derived waste management.	D,P	G,Z,T	Y,X	A	No	No
DOE/RL-2008-01	REV. 0	100-F	100-FR-3	2008 Mar	DOE-RL	*Hanford Site Groundwater Monitoring for Fiscal Year 2007*	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=00098824	Includes distribution and trends of the COCs for the 100-FR-3 OU.	D,H	Z,T	Y	A	Yes	No
DOE/RL-2008-46-ADD4	Draft A	100-F	100-IU-2 100-IU-6 100-FR-1 100-FR-2 100-FR-3	2009 Sept	DOE-RL	*Integrated 100 Area Remedial Investigation/Feasibility Study Work Plan Addendum 4 100-FR-1 100-FR-2 100-FR-3 100-IU-2 and 100-IU-6 Operable Units*	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=00098824	Addendum 4 to DOE/RL-2008-46, *Integrated 100 Area RI/FS Work Plan* describes 100-F/IU-2/IU-6 and conduct of an RI/FS in support of a final ROD for the 100-FR-1, 100-FR-2, 100-IU-2, and 100-IU-6 Source OUs, and the 100-FR-3 Groundwater OU.	D,H,P	G,Z,E,T	Y,S,X,P	A,M	YES	YES
DOE/RL-2008-46-ADD4	Rev. 0	100-F	100-IU-2 100-IU-6 100-FR-1 100-FR-2 100-FR-3	2010 May	DOE-RL	*Integrated 100 Area Remedial Investigation/Feasibility Study Work Plan Addendum 4 100-FR-1 100-FR-2 100-FR-3 100-IU-2 and 100-IU-6 Operable Units*	http://pdw.hanford.gov/arpir/pdf.cfm?accession=1006220804	Addendum 4 to DOE/RL-2008-46, *Integrated 100 Area RI/FS Work Plan*. Describes 100-F/IU-2/IU-6 and conduct of an RI/FS in support of a final ROD for the 100-FR-1, 100-FR-2, 100-IU-2, and 100-IU-6 Source OUs, and the 100-FR-3 Groundwater OU.	D,H,P	G,Z,E,T	Y,S,X,P	A,M	YES	YES
DOE/RL-2009-43	Rev. 0	100-F	100-IU-2 100-IU-6 100-FR-1 100-FR-2 100-FR-3	2010 Apr	DOE-RL	*Sampling And Analysis Plan for the 100-FR-1, 100-FR-2, 100-FR-3, 100-IU-2, and 100-IU-6 Operable Units Remedial Investigation/ Feasibility Study*	http://pdw.hanford.gov/arpir/pdf.cfm?accession=1006220803	Supports the RI/FS process for 100-F/IU-2/IU-6. The 100-F/IU-2/IU-6 areas are associated with four source OUs: 100-FR-1, 100-FR-2, 100-IU-2, and 100-IU-6 and the 100-FR-3 Groundwater OU. This SAP describes the sampling and analysis to be performed for the RI.	D,H,P	Z	P,S,Y,X	M	NO	NO
DOE/RL-2010-11	Rev. 1, Vol. 2	100-F	100-FR-3	2010 Aug	DOE-RL	*Hanford Site Groundwater Monitoring and Performance Report for 2009*, Volumes 1 & 2	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=0084237	The FR-3 section (18 pg.) describes groundwater flow and contaminant distribution, including facilities, wells, and monitoring sites, and a conceptual model.	D,H	Z,T	Y,P	M	No	No

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Document ID	Rev./ Draft/ Vol.	Area	Operable Unit/Other	Date	Authors/ Originator	Title	Link	Document Description	Back-ground Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
DOE/RL-88-30	Rev. 2, Vol. 1	100-F	100-FR-1 100-FR-3 100-IU-2	1992 Jan	DOE-RL	*Hanford Site Waste Management Units Report* [Section 1 of 2]	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=D196092153	Provides a comprehensive inventory of all types of waste management units at the Hanford Site, including a description of the units and the waste they contain. Waste management units in this report include: 1) RCRA disposal units, 2) CERCLA disposal units, 3) unplanned releases, 4) inactive contaminated structures, 5) RCRA treatment, storage, and disposal units, and 6) other storage areas. Because of the comprehensive nature of this report, the listing of sites is more extensive than required by Section 3004(u) of *Hazardous and Solid Waste Amendments of 1984*.	D,H,P	G,Z	Y,S,X	A	No	No
DOE/RL-89-12	Rev. 2 Draft A	Hanford Site	HANFORD SITE	1994 Oct	DOE-RL	*Hanford Site Ground Water Protection Management Plan*	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=D196054770	Describes the Ground Water Protection Management Plan for the Hanford Site.	D,H	G,Z,T	Y,P	A	No	No
DOE/RL-91-25		100-F	100-FR-1 100-FR-3 100-IU-2/6	1991 Sep	DOE-RL	*Environmental Restoration and Waste Management Site-Specific Plan for the Richland Operations Office Hanford Site Five-Year Plan Fiscal Years 1993-1997*	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=D196072700	Part of the site-specific plan for DOE-RL. It is the first revision of the original plan. The plan addresses overall philosophy and environmental and waste-related activities under the responsibilities of the DOE Office of Environmental Restoration and Waste Management. The plan also reaffirms DOE goals to bring its nuclear sites into environmental compliance in cooperation with its regulators and the public, and to clean up and restore the environment by 2019 (the commitment for the Hanford Site is for 1 year sooner, or 2018).	D,H,P	G,Z,E,T	Y,S,X,P	A,M	Yes	Yes
DOE/RL-91-45	Rev. 0	100-F	100-FR-1, 108-F	1996 Sept	R.A. Harris	*Final Characterization Report for the 108-F Biological Laboratory*	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=D197234610	Compilation of characterization data collected during the period of May 7, 1996, through August 29, 1996. It also reflects the conditions and status of the 108-F Biological Laboratory.	D,H	G,T	Y	A	No	No
DOE/RL-91-53	Draft A	100-F	100-FR-3	1991 Nov	DOE-RL	*Remedial Investigation/ Feasibility Study Work Plan for the 100-FR-3 Operable Unit, Hanford Site, Richland, Washington*	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=D196081744	This work plan and the attached supporting project plans establish the OU setting and the objectives, procedures, tasks, and schedule for conducting the CERCLA RI/FS for the 100-FR-3 OU. 100-FR-1 and 100-FR-2 are also discussed.	D,H,P	G,Z,C,E, T	Y,S	A,M	Yes	Yes
DOE/RL-91-53	Draft B	100-F	100-FR-1; 100-FR-2; 100-FR-3	1992 May	DOE-RL	*Remedial Investigation/ Feasibility Study Work Plan for the 100-FR-3 Operable Unit, Hanford Site, Richland, Washington*	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=D196095891	This work plan and the attached supporting project plans establish the OU setting and the objectives, procedures, tasks, and schedule for conducting the CERCLA RI/FS for the 100-FR-3 OU. 100-FR-1 and 100-FR-2 are also discussed.	D,H,P	G,Z,C,E, T	Y,S	A,M	Yes	Yes
DOE/RL-91-53	Rev. 0	100-F	100-FR-2; 100-FR-3	1992 Sept	DOE-RL	*Remedial Investigation/Feasibility Study Work Plan for the 100-FR-3 Operable Unit, Hanford Site, Richland, Washington*	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=D196110847	Establishes the OU setting and the objectives, procedures, tasks, and schedule for conducting the RI/FS for the 100-FR-3 OU. This unit includes all contamination found in the aquifer soils and water beneath the 100-F Area.	D,H,P	G,Z,C,E, T	Y,S,X	A,M	Yes	Yes
DOE/RL-92-12		100 Area	100 Area	1992 Feb	DOE-RL	*Sampling And Analysis Of 100 Area Springs*	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=D196090827	Identifies the concentrations of chemical and radiological constituents discharged through springs into the Columbia River. Springs, seeps, sediments, and the Columbia River were sampled for chemical and radiological analyses during the period September 16 through October 21, 1991. A total of 26 locations were sampled. Results of these analyses show that radiological and nonradiological contaminants continue to enter the Columbia River from the retired reactor areas of the 100 Area via the springs.	D,H,P	G,Z,T	Y,S,X	A	Yes	No

Table B1. Annotated Bibliography

Document ID	Rev./ Draft/ Vol.	Area	Operable Unit/Other	Date	Authors/ Originator	Title	Link	Document Description	Back-ground Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
DOE/RL-92-28	Rev. 0	100-F	100-FR-1; 100-FR-2; 100-FR-3	1993 Jun	DOE-RL	*Columbia River Impact Evaluation Plan*	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=D196130965	Supplements the CERCLA remedial investigations/feasibility studies (RI/FSs) and RCRA facility investigations/corrective measures studies (RFI/CMSs) undertaken in the 100 Area. To support the plan development process, existing information was reviewed and a preliminary impact evaluation based on this information was performed. Based on the results of the evaluation, a plan is proposed to collect additional data or make changes to existing or proposed data collection activities.	D,H,P	G,Z,E,T	Y,S,X	A,M	Yes	Yes
DOE/RL-93-04	Rev. 0	100 Area	100 Area	1993 May	DOE-RL	*100 Area Excavation Treatability Test Plan*	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=D196136746	Documents the requirements for a treatability study on field radionuclide analysis and dust control techniques. These systems will be used during remedial actions involving excavation. The data from this treatability study will be used to support the FS process.	D,H,P	G,T	Y,S,X,P	A	Yes	Yes
DOE/RL-93-102		100 Areas	100 Areas	1994 Sept	DOE-RL	*Fiscal Year 1995 Hanford Mission Plan Volume One, Site Guidance*	http://pdw.hanford.gov/arpir/pdf.cfm?accession=D196020115	This technical guidance includes statements of the Site mission, end-state goals, and the program mission statements. It provides a common set of assumptions on which plans and decisions will be based. It also describes important interfaces across mission areas and programs. Update of the FY 1994 *Hanford Mission Plan* (HMP), Volume 1, Site Guidance (DOE-RL 1993a), including incorporation of subsequent decisions and analyses. Systems Engineering work played an important role in establishing the Site end-state goals identified in this document.	D	Z	P		YES	YES
DOE/RL-93-83	Draft A	100-F	100-FR-3	1994 Apr	DOE-RL	*Limited Field Investigation Report for the 100-FR-3 Operable Unit*	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=D196084471	This LFI was conducted to optimize the use of IRMs for expediting cleanup while maintaining a technically sound and cost-effective program. This is a secondary document summarizing the data collection and analysis activities conducted during the 100-FR-3 Groundwater OU LFI and the associated QRA.	D,H,P	G,Z,T	Y,S	A,M	Yes	Yes
DOE/RL-94-150	Rev. 0	Hanford Site	Hanford Site	1994 Dec	R.E. Fitzner, S.G. Weiss	*Bald Eagle Site Management Plan for the Hanford Site, South-Central Washington*	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=D196033942	Includes land surveys that contain or are adjacent to bald eagle nests, winter concentration areas, or communal night roosts.	D,H	G,Z,C,E, T			No	No
DOE/RL-94-20	REV. 0	600 Area, Near 100-F	100-IU-5	1995 Jun	DOE-RL	*Pickling Acid Cribs Remedial Investigation/ Feasibility Study*	http://pdw.hanford.gov/arpir/pdf.cfm?accession=D196020540	The White Bluffs Pickling Acid Cribs Site location is in the 600 Area near the 100-F Area. The cribs are the only surface soil waste site within the 100-IU-5 OU (Figures 1 and 2). The groundwater will be investigated as part of the 100-IU-2 OU. An ERA was performed with the goal of reducing the potential for any residual contaminant migration from the cribs to the soil column and groundwater. The White Bluffs Pickling Acid Cribs Site, which is south of the White Bluffs Townsite in the 600 Area, is the only site identified in the 100-1U-5 OU. The purpose of this risk assessment is to provide a human health and ecological risk assessment for the White Bluffs Pickling Acid Cribs Site.	D,H,P	G	Y,S		YES	NO
DOE/RL-94-46	REV. 0	1002003001 100 Area	1002003001 100 Area	1994 Sept	DOE-RL	*Environmental Restoration Program Technology Baseline Plan*	http://pdw.hanford.gov/arpir/pdf.cfm?accession=D196055720	Plutonium production and purification processes at the Hanford Site generated and/or used numerous radioactive and hazardous substances, leaving behind a wide variety of hazardous, radioactive, and mixed wastes in the form of contaminated soil, groundwater, buried waste, equipment, piping, and structures. Currently, there are at least 1,391 individual waste sites on the Hanford Site. Based on existing characterizations, 174 of the sites contain nonhazardous waste, 134 contain hazardous waste, 133 contain radioactive waste, and 950 contain mixed wastes. These sites are being remediated, decontaminated, and decommissioned by activities within the Hanford Site Environmental Restoration (ER) Program. This document presents a baseline for the many technologies anticipated to perform and support various types of remedial actions.	D,H,P	Z,G	Y,S	A	YES	NO

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DOE/RL-94-58	Draft B	100-F	100-FR-3	1995 Dec	DOE-RL	*100-FR-3 Operable Unit Focused Feasibility Study Report*	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=D196003905	Presents a detailed analysis of alternatives for an IRM to address chromium contamination in groundwater in the 100-FR-3 OU.	D,H,P	G,Z,C,E, T	Y,S,X,P	A,M	Yes	Yes
DOE/RL-94-61	Rev. 0	100 Area	100 Area	1998 Oct	DOE-RL	*Remedy Selection Process for Remaining Source Operable Unit Waste Sites*	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=D198209199	Prepared as Appendix N to the 100 Area Source OU FFS (Process Document) (DOE-RL 1995a). The Process Document and its appendices evaluate potential remedial alternatives for waste site groups in the 100 Area of the Hanford Site in accordance with CERCLA and RCRA.	D,H,P	G,Z,E,T	Y,S,X	A	Yes	Yes
DOE/RL-94-61	Rev. 0, Vol. 1	100 Area	100 Area	1995 Jun	DOE/RL	*100 Area Source OU Focused Feasibility Study* [Section 1 of 2]	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=D196015921	This FFS provides sufficient information to select Interim Remedial Alternatives for IRM waste sites within the 100 Areas. The scope encompasses high-priority source waste sites (sites at which there was direct disposal of wastes or a direct release of hazardous substances). Lower priority source waste sites, including the potentially impacted river sediments, will be considered in subsequent documentation. Separate groundwater FFSs will address groundwater contamination in the 100 Area.	D,H	G,Z,E,T	Y,S	A,M	Yes	Yes
DOE/RL-94-61	Rev. 0, Vol. 1	100 Area	100 Area	1995 Jun	DOE-RL	*100 Area Source OU Focused Feasibility Study* [Section 2 of 2]	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=D196016522	This FFS provides sufficient information to select Interim Remedial Alternatives for IRM waste sites within the 100 Areas.	D,H	G,Z,E,T	Y,S	A,M	Yes	Yes
DOE/RL-94-61 Appendix L	Draft A	100-F	100-FR-2	1995 Aug	DOE-RL	Appendix L 100-FR-2 Operable Unit Focused Feasibility Study	http://pdw.hanford.gov/arpir/pdf.cfm?accession=D196006750	Evaluates the remedial alternatives for interim action at IRM candidate waste sites within the 100-FR-2 Source OU and provides the information needed for the timely selection of the most appropriate interim action at each waste site.	D,H	E,Z	Y		YES	YES
DOE/RL-95-108	Rev. 0	600 Area	100-IU-2 and 100-IU-6	1996 Oct	DOE-RL	*Approach and Plan for Cleanup Actions in 100-IU-2 and 100-IU-6 OU of Hanford Site*	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=D197142718	The purposes of this document are to summarize waste site information gathered to date relating to the 100-IU-2 and 100-IU-6 OUs and to plan the extent of evaluation necessary to make cleanup decisions for identified waste sites under CERCLA. This is a streamlined approach to the decision making process, reducing the time and costs for document preparation and review.	D,H,P	E,G,T,Z	S,X		NO	NO
DOE/RL-95-38	REV. 0	100-F	100-FR-2	1995 Jun	DOE-RL	*Approach and Plan for Cleanup Actions in the 100-FR-2 Operable Unit of the Hanford Site*	http://pdw.hanford.gov/arpir/pdf.cfm?accession=D196007371	A new administrative approach is being used to reach a cleanup decision for the 100-FR-2 OU. Located at the 100-F Area, the OU contains solid waste sites and is one of the remaining OUs scheduled for characterization and cleanup in the 100 Area. Substantial information has been gained over the past 3 years in previous 100 Area OUs, which will help decision makers make decisions on the 100-FR-2 OU. This Focus Package (1) describes the new approach and activities needed to reach a decision on cleanup actions for the 100-FR-2 OU, and (2) invites public participation in the planning process.	D,H,P	E	Y,Z	A	YES	YES
DOE/RL-95-54	DRAFT B	100-F	100-FR-1	1995 May	DOE-RL	*Proposed Plan for Interim Remedial Measures at the 100-FR-1 Operable Unit*	http://pdw.hanford.gov/arpir/pdf.cfm?accession=D196015056	Identifies the preferred alternative for interim remedial measures for remedial action of radioactive liquid waste disposal sites (including contaminated soils and structures) at the 100-FR-1 OU, located at the Hanford Site. The plan also summarizes other remedial alternatives evaluated for interim remedial measures in this OU. The intent of interim remedial measures is to speed up remedial actions in contaminated areas that pose potential threats to human health and the environment.	D,H,P	E,Z	Y,S	A	YES	YES
DOE/RL-95-99	Rev. 0	100-F	100-FR-3	1996 Apr	DOE-RL	*100-FR-3 Groundwater/Soil Gas Supplemental Limited Field Investigation Report*	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=D197188949	Summarizes the activities and results of the groundwater/soil gas supplemental LFI for the 100-FR-3 OU. It assesses the lateral distribution of TCE in shallow groundwater and assesses soil gas in an attempt to identify potential sources of TCE and develop a correlation between soil gas and groundwater concentrations. It also refines the site's conceptual model.	D,H	G,Z,T	Y,P	A,M	Yes	Yes
DOE/RL-96-17	Rev. 5	100 Area	100 Area	2004 Sept	DOE-RL	*Remedial Design Report/Remedial Action Work Plan for the 100 Area*	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=D6542354	Addresses the remedial designs and remedial actions for waste sites in the 100-B/C, 100-D,100-H, 100-F, and 100-K Areas, and the 100-IU-2, 100-IU-6, and 200-CW-3 OUs. It is expected that this document will form the basis for remedial actions at contaminated sites across the 100 Area.	D,H,P	G,Z,E,T	Y,S,X,P	A	Yes	Yes

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Document ID	Rev./ Draft/ Vol.	Area	Operable Unit/Other	Date	Authors/ Originator	Title	Link	Document Description	Back-ground Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
DOE/RL-96-22	Rev. 4, Draft A	100 Area	100 Area	2003 June	DOE-RL	*100 Area Remedial Action Sampling and Analysis Plan*	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=D2229403	Presents the rationale and strategies for the sampling, onsite measurements, and analyses that will be conducted on 100 Area waste sites. It is made up of three parts: project background and rationale, quality assurance project plan, and the field sampling plan.	D,H,P	G,Z	Y,S,X	M	NO	NO
DOE/RL-96-22	Rev. 4	100 Area	100 Area	2004 Sept	DOE-RL	*100 Area Remedial Action Sampling and Analysis Plan*	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=D6542136	Presents the rationale and strategies for the sampling, onsite measurements, and analyses that will be conducted on 100 Area waste sites, excluding burial grounds, which are addressed in a separate plan.	D,H,P	G,T	Y,S,X	A	Yes	No
DOE/RL-96-85	Rev. 0	100-F	100-FR-1	1996 OCT	DOE-RL	*Engineering Evaluation Cost Analysis for the 100-B/C Area Ancillary Facilities at the 108-F Building*	http://www.osti.gov/scitech/servlets/purl/663393	The 100 Area of the Hanford Site, along with the 200, 300, and 100 Areas, was placed on EPA's NPL in November 1989, under CERCLA. In 1995, DOE-RL conducted a removal site evaluation (BHI, 1996) of selected facilities in the 100 Area of the Hanford Site in accordance with CERCLA and 40 CFR 300.410, "National Oil and Hazardous Substances Pollution Contingency Plan, " "Removal Site Evaluation." The scope of the evaluation included the above-ground portions of the 108-F Biology Laboratory in the 100-F Area and all inactive ancillary buildings and structures in the 100-B/C Area, excluding the reactor building and the river outfall. Based on the evaluation, DOE-RL determined that hazardous substances in the 108-F Biology Laboratory and five of the 100-B/C Area facilities may present a potential threat to human health or the environment, and that a non-time-critical removal action at these facilities is warranted. This determination was documented in an EE/CA approval memorandum. The EE/CA approval memorandum is the basis on which to proceed with the performance of an EE/CA to determine the appropriate removal action. This report presents the results of the EE/CA for removal alternatives for final disposition of these six facilities. The EE/CA was conducted pursuant to the requirements of CERCLA and 40 CFR 300.415, "National Oil and Hazardous Substances Pollution Contingency Plan," "Removal Action," and is intended to aid DOE-RL and EPA in selecting a preferred removal action.	D,H,P	G,Z,E,T	Y,S,X	A	Yes	Yes
DOE/RL-97-29	Rev. 0	100-F	100-F, 105-F, 108-F	1997 Sept	DOE-RL	*Removal Design Report for the108-F Biological Laboratory*	http://www.osti.gov/energycitations/product.biblio.jsp?query_id=0&page=2&osti_id=663391	Establishes the methods of D&D and the supporting functions associated with facility removal and disposal. This RDR describes each task required and the implementation processes used to perform these activities. Also identifies the regulatory guidelines, applicable orders, and procedures that will be used to direct and control the work activities and serves as the decommissioning plan for the 108-F Facility.	D,H,P	G,T	Y,S,X	A	Yes	No
DOE/RL-97-83	Rev. 0	100 Area	100 Area	1998 Oct	DOE-RL	*Proposed Plan for Interim Remedial Actions at the 100 Area Remaining Sites*	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=D198209197	This Proposed Plan identifies the preferred alternative for interim remedial actions and corrective actions at waste sites and solid waste management units at the Hanford Site. The waste sites subject to this Proposed Plan are referred to as the 100 Area Remaining Sites and consist of radioactively and chemically contaminated soils, structures, and associated debris located within 12 OUs in the 100 Area and one OU in the 200 Area. Contamination at the 100 Area Remaining Sites presents a risk to human health and the environment. Also included in this Proposed Plan is the preferred alternative for disposal of 100 Area reactor building materials.	D,H,P	G,Z,E,T	Y,S,X	A	Yes	Yes
DOE/RL-97-83	Draft A	100 Area	100 Area	1997 Nov	DOE-RL	*Proposed Plan for Interim Remedial Actions at the 100 Area Remaining Sites*	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=D198019232	Identifies the preferred alternative for interim remedial actions at waste sites in the 100 Areas. The waste sites subject to this Proposed Plan are referred to as the 100 Area Remaining Sites and may consist of radioactively and chemically contaminated soils, structures, and associated debris located within 100 Area OUs on the Hanford Site.	D,H,P	G,Z,E,T	S,X	A	Yes	Yes
DOE/RL-98-18		100 Area	100 Area	1999 Feb	DOE-RL	*100 Area Burial Ground Focused Feasibility Study*	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=D199146236	Provides the results of a FFS that was conducted to evaluate alternatives for the remediation of 45 burial grounds located in the 100 Area.	D,H,P	G,Z,T	Y,S	A,M	Yes	Yes

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Document ID	Rev./ Draft/ Vol.	Area	Operable Unit/Other	Date	Authors/ Originator	Title	Link	Document Description	Back-ground Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
DOE/RL-98-37	Rev. 5, Draft A	100-D 100-F	100-DR-2 100-FR-1	2002 Jun	DOE-RL	*Removal Action Work Plan for 105-DR and 105-F Building Interim Safe Storage Projects and Ancillary Buildings*	http://pdw.hanford.gov/arpir/pdf.cfm?accession=D9090801	Removal action work plan for the 105-DR and 105-F Reactor buildings and ancillary facilities. Hazardous substances in the 105-DR and 105-F Reactor buildings and four ancillary facilities present a potential threat to human health or the environment. DOE determined that a non-time-critical removal action is warranted at these facilities.	D,H,P				YES	NO
DOE/RL-99-35	Rev. 1	100-F	100-FR-1; 105-F	2000 Jan	DOE-RL	*Sampling and Analysis Plan for the 105-F and 105-DR Phase III Below-Grade Structures and Underlying Soils*	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=D8415398	Presents the rationale and strategy for the sampling and analysis activities proposed in support of Phase III of the 105-F/105-DR ISS Project. It presents the rationale and basis for disposition of all subgrade structures associated with the project.	D,H	G,Z,T	Y,S	A,M	Yes	Yes
DOE/RL-99-58	Rev. 0	100 Area	100 Area	2000 Sept	DOE-RL	*Sampling and Analysis Plan for the 100 Area Remaining Sites*	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=D8501259	The purpose of the proposed sampling and analysis activities is the characterization of waste sites in the 100-BC-1, 100-BC-2, 100-DR-1, 100-DR-2, 100-FR-1, 100-FR-2, 100-HR-1, 100-HR-2, 100-KR-1, 100-KR-2, 100-IU-2, 100-IU-6, and 200-CW-3 OUs which are candidates for closure without remedial action. The results of the sampling and analysis activities will also support future waste profiling and waste designation if the candidate sites are determined to be contaminated at levels that require remedial actions.	D,H,P	G,Z	Y,S,X.P	A	Yes	Yes
DOE/RL-99-58	Rev. 1, Draft A	100 Area 300 Area	100 Area 300 Area	2003 Feb	DOE-RL	*Sampling and Analysis Plan for the 100/300 Area Remaining Sites*	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=D0999190	Presents the strategy for sampling and analysis activities that will support no action or remediation (i.e., RTD) decisions for the 100/300 Area remaining sites.	D,H,P	G,Z	Y,S,X,P	A	Yes	No
DOE/RL-99-58	Draft A	100 Area	100 Area	1999 Sept	DOE-RL	*Sampling and Analysis Plan for the 100 Area Remaining Sites*	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=D8226011	The purpose of the proposed sampling and analysis activities is the characterization of waste sites which are candidates for interim closure without remedial action. The results of the sampling and analysis activities will also support future waste profiling and waste designation if the candidate sites are determined to be contaminated at levels that require remedial actions. SAP is based on the Data Quality Objectives for the 100 Area Remaining Confirmatory Sampling Effort Sites.	D,H,P	G,Z	Y,S,X	A	Yes	Yes
DOE/RL-99-59	Rev. 1	100-F	100-FR-1; 100-F-20; 118-F-1	2000 May	DOE-RL	*Proposed Plan for 100 Area Burial Grounds Interim Remedial Action*	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=D8317795	Identifies the preferred alternative for interim remedial action at 45 solid waste burial grounds located in the 100 Area source OU. It also contains summaries of other alternatives analyzed for remediation of the burial grounds.	D,H	G,Z,E,T	Y,S	A,M	Yes	Yes
DOE/RL-92-28	Draft A	Hanford Site	Hanford Site	1992 Jun	DOE-RL	*Columbia River Impact Evaluation Plan*	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=D196102620	Report prepared to satisfy Milestone M-30-02 (“Submit a plan [primary document] to EPA and Ecology to determine cumulative health and environmental impacts to the Columbia River, incorporating results obtained under M-30-01”). Milestone M-30-01 is “Submit a report (secondary document) to EPA and Ecology evaluating the impact to the Columbia River from contaminated springs and seeps as described in the OU work plans listed in M-30-03.”	D,H,P	G,Z,E,T	Y,S,X,P	A,M	No	No
DOE/RL-98-37	Rev. 3, Draft A	100-F	100-FR-1	2000 May	DOE-RL	*Removal Action Report for 105-DR and 105-F Building Interim Safe Storage Projects and Ancillary Buildings*	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=D8374470	Contains the removal action work plan for the 105-DR and 105-F Reactor buildings and ancillary facilities.	D,H	G,Z,E,T	Y,S	A,M	Yes	Yes
EGG-10617-1062	REV. 0	100-F; Hanford Site	100-F; Hanford Site	1990 Oct	R.T. Reiman; T.S. Dahlstrom	*An Aerial Radiological Survey of the Hanford Site and Surrounding Area Richland, Washington*	http://www.osti.gov/scitech/servlets/purl/6002021	An aerial radiological survey was conducted over the DOE Hanford Site near Richland, Washington, from July 5 through August 26, 1988. Additional flights were conducted to the east of the Columbia River down to McNary Dam near Umatilla.	D,H	T	S	A	No	No

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EPA/ROD/R 10-99/039		100 Area, 200 Area	100 Area, 200 Area	1999 JUL	C. Clarke, K. Klein, M. Wilson	*Interim Action Record of Decision 100 Area Remaining Sites 100-BC-1 100-BC-2 100-DR-1 100-DR-2 100-FR-1 100-FR-2 100-HR-1 100-HR-2 100-KR-1 100-KR-2 100-IU-2 100-IU-6 and 200-CW-3 OU Hanford Site Benton County Washington*	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=D199153689	Presents the selected interim remedial actions for portions of the DOE Hanford 100 Area (100 Area Remaining Sites), 100 Area reactor waste, and portions of the 200 Area. Components of the selected remedy include the following: (1) remove contaminated soil, structures, and associated debris, (2) treat these wastes as required to meet ERDF requirements, and (3) dispose of contaminated materials at ERDF.	D,H,P	G,Z,E,T	Y,S,X,P	A	Yes	Yes
HNF-3602	Rev. 0	100-F	100-F	1999 Jul	J.S. Hill	*Volume 1: Calculating Potential to Emit Releases and Doses for FEMPs and NOCs*	http://www.osti.gov/energycitations/product.biblio.jsp?query_id=0&page=2&osti_id=797483	Prepared to provide Hanford Site facilities a handbook for estimating potential emissions and the subsequent offsite doses. General guidelines and information are provided to assist personnel in estimating emissions for use with DOE facility effluent monitoring plans (FEMPs) and regulatory notices of construction (NOC), per 40 CFR 61, "National Emission Standards for Hazardous Air Pollutants," Subpart H, "National Emission Standards for Emissions of Radionuclides Other Than Radon from Department of Energy Facilities," and WAC 246-247, "Radiation Protection—Air Emissions," requirements. This document replaces WHC-EP-0498, *Unit Dose Calculation Methods and Summary of Facility Effluent Monitoring Plan Determinations*.	H,P		S,X	A	No	No
HNF-SP-0665-23		100-F	126-F-1	1997 Jan	S.M. McKinney	*Quarterly Environmental Radiological Survey Summary Fourth Quarter 1996 100, 200, 300, and 600 Areas*	http://www.osti.gov/scitech/servlets/purl/325663	Provides a summary of the radiological surveys performed in support of the near-facility environmental monitoring program at the Hanford Site.	D,H	G,T	Y	A	No	No
HW-11333		100-F	100-F	1948 Oct	W. Singlevich	*Radioactive Contamination in the Environs of the Hanford Works for the Period April - May - June, 1948*	http://www.osti.gov/scitech/servlets/purl/6371269	Summarizes the radioactive contamination measured at the Hanford Works and immediate plant areas for the quarter April, May, and June, 1948. Topics discussed are: meteorology; airborne contamination; contamination in the Columbia and Yakima Rivers; and contamination in rain, drinking water, vegetation, and in Hanford wastes.	D	G,E,T	Y	A	Yes	No
HW-12221		100-F	100-F	1948 Nov	R.C. Thornburn	*Analysis of Urine Samples for Iron and S^{35}*	http://www.osti.gov/scitech/servlets/purl/10172359	On August 21, 1948, several smear samples of contamination from the inner rod room at 100-F Area were submitted for beta identification. This contamination was spread as a result of maintenance work on the horizontal rods. Urine samples were deemed advisable for two men who had been exposed while working on the rods. These urine samples were also submitted for beta analyses. The analyses of the smears showed the contamination to consist of primarily sulfur-35 (65%) and iron-59 (30%) and minor amounts of calcium (5%) and carbon-14 (3%). No significant amount of radioactive iron or sulfur was found in either the feces or urine samples.	H,P	G	S,X	A	No	No
HW-12677		100-F	100-F	1949 Mar	W. Singlevich	*Radioactive Contamination in the Environs of the Hanford Works for the Period July, August, September 1948*	http://www.osti.gov/scitech/biblio/6417915	Summarizes the radioactive contamination measured at the Hanford Works and vicinity for the quarter July, August, and September 1948. Topics discussed are: meteorology; airborne contamination and contamination of the Columbia River; vegetation; drinking water; and in Hanford Wastes.	D	G,E,T	Y	A	Yes	No

Table B1. Annotated Bibliography

Document ID	Rev./ Draft/ Vol.	Area	Operable Unit/Other	Date	Authors/ Originator	Title	Link	Document Description	Back-ground Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
HW-23163		100-F	100-F	1952 Jan	W.C.A. Woods	*The Use of Aluminum Sulfate for 100 Areas' Process Water Coagulation*	http://www.osti.gov/scitech/biblio/6491944	Proposed that by using aluminum sulfate, or filter alum, as a process water coagulant and activated silica as a coagulation aid, the present filter plant capacities could be increased appreciably. To investigate the effects of alum-treated water on pile operation, a full-pile production test was authorized in which alum was substituted for the standard ferric sulfate coagulant. This test was started in the 100-F Area on October 10, 1951. The results of the first 30 days of operation were presented in a previous report and served as a basis for the decision to proceed with installation of the activated silica addition facility. This report presents the data, results, and conclusions obtained from the start of the test until its termination on December 28, 1951, when the addition of activated silica began.	D,H,P			A	No	No
HW-30401-Vol.1		100-B, 100-C, 100-D, 100-DR, 100-F, and 100-H	100-B, 100-C, 100-D, 100-DR, 100-F, and 100-H reactor plants	1954 Apr	M.H. Russ	*Design Criteria - Reactor Plant modifications for Increased Production and 100-C Area Alterations Sections A and B*	http://www.osti.gov/scitech/servlets/purl/10122339	Defines the basic criteria to be used in the preparation of detailed design for Project CG-558, Reactor Plant Modification for Increased Production and for Project CG-600, 100-C Area Alterations. It has been determined that the most economical method of increasing plutonium production within the next 5 years is by the modernization and improvement of the 100-B, 100-C, 100-D, 100-DR, 100-F, and 100-H reactor plants. As a result of this program, it is estimated that 1650-2350 megawatts of total additional production will be achieved. The purpose of this document is to set forth the design basis for certain modifications and additions to Hanford reactors and their supporting facilities as required to obtain higher power levels and improve the safety of reactor operations.	D,H,P				No	No
HW-34530		100-F	100-F	1955 Jun	N.R. Miller.	*Final Report (Production Test 105-526-E) Elimination of Lime as a Process Water Additive*	http://www.osti.gov/scitech/servlets/purl/10122176	Interest in using low-pH water (pH 6.5-7.3) for cooling Hanford reactors dates back to early laboratory investigations. Work has consistently shown that the use of this low-pH water should reduce overall corrosion rates of the aluminum components. Work done by Draley at the Clinton Laboratories with simulated Columbia River water showed that aluminum corrosion rates at 80 °C were minimized at pH 6.5. These results were later substantiated by work at Hanford by the CMX Project. In spite of these results, the original specifications called for the process water pH to be maintained in the range of 7.5-7.8. This report details the data obtained from tests on the 100-F Reactor at Hanford.	D,P			A	No	No
HW-43937		100-BC, 100-D/DR, 100-F, 100-H	100-BC, 100-D/DR, 100-F, 100-H	1956 Jul	D.S. Baker, D.W. McLenegan	*Effect of Increased Electric Loads on Primary Substation Equipment in 100-B, C, D, DR, F, and H Areas*	http://www.osti.gov/scitech/servlets/purl/10108346	The loading on the primary transformers that step down the 230 kV transmission voltage to a distribution voltage of 13.8 kv at 100-B-C, 100-D-DR, 100-F, and 100-H Areas will be increased by the synchronous motors now being installed in those areas under Project CG-558. This report summarizes the changes in electric loads (both kv and power factor) that will result when the new motors are placed in service and certain older motors are withdrawn from service. Electrical loads are tabulated in section 4.0 for each area for present conditions, the planned changes, and the post-Project CG-558 conditions, including the reduction of distribution voltage during the starting of individual 4,500 horsepower synchronous motors.	D			A	No	No
HW-55774		100-F	100-F	1958 Apr	R.B. Hall, W.R. Conley, PNNL	*Development Test Authorization IP-154-AL Sulfuric Acid Study*	http://www.osti.gov/scitech/servlets/purl/10174975	This test is part of a program seeking ways to reduce the amount of radioactivity in reactor effluent water. The purpose of this test is to determine if the impurities in commercial grade sulfuric acid have a significant effect on the release rates of arsenic-76 and phosphorus-32 to the Columbia River in reactor effluent water.	H,P		Y,X	A		

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Document ID	Rev./ Draft/ Vol.	Area	Operable Unit/Other	Date	Authors/ Originator	Title	Link	Document Description	Back-ground Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
HW-58312		Hanford Site	Hanford Site	1958 Nov	J.K. Soldat.	*Columbia River Flow-Time Calculations*	http://www.osti.gov/scitech/servlets/purl/10175008	Re-appraisal of the available data on flow times of the Columbia River between the reactor areas and Pasco was undertaken to permit extrapolation of the flow-time curves to lower river flow rates. Comparisons were made between data collected by the U.S. Army Corps of Engineers and Regional Monitoring, and with the equation for calculation of flow times developed by H.T. Norton. Extrapolation of the Regional Monitoring float study data to a flow of 3×10^5 gal/sec was accomplished by comparison with the slope of the curve obtained from the U.S. Army Corps of Engineers data; the latter covered flow times from 100-F Area to Pasco over a range of 3.4×10^5 gal/sec to 3.7×10^6 gal/sec. Revised flow-time curves are illustrated in the report figures.	D			A	No	No
HW-65989		Hanford Site	Hanford Site	1960 Jul	J.P. Corley, Facilities Engineering Operation	*Reactor Effluent Outfall Structures: Status and Potential Problems*	http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&page=3&osti_id=10174583&Row=14	The purpose of this memorandum is to review the recent history and current condition of those outfall systems that are not in satisfactory condition at present, as well as the potential problems that may arise from a failure in these systems.	D,H,P				NO	NO
HW-76109		100-F	100-F	1963 Jan	E.C. Watson, R.L. Junkins, J.J. Fuquay, L.L Zahn	*The Consequences of Accidental Releases During Rail Shipments of Radioactive Strontium*	http://www.osti.gov/scitech/servlets/purl/10189840	Large quantities of radiostrontium in the form of strontium carbonate have been shipped from Hanford Atomi9c Products Operations (HAPO) in the HAPC-II shipping systems. Modifications have recently been completed to equip the two HAPO-I systems(1) for shipping strontium. This report updates previous hazards evaluations of such shipments.	P	C	Y	A	No	No
HW-77387-Del.		100-F	100-F	1963 Apr	R.J. Brouns, J.J. Fuquay, C.L. Simpson, J.K. Soldat, F.P. Brauer, R.W. Perkins	*Results of a Test of Sampling in I^{131} Plumes*	http://www.osti.gov/scitech/servlets/purl/10115043	On September 13 and 14, 1962, 8.3 Ci of iodine-131 were emitted from the Reduction-Oxidation (REDOX) Plant at a rate of from 0.35 to 0.65 Ci/hr for approximately 18 hours. During the emission, the plume trajectories were plotted from meteorological data, and samples were collected across the predicted plume trajectories at several altitudes and at distances up to 80 km (50 mi) from the Plant. The data and conclusions are given in this report.	D	C	Y	A	No	No
HW-9496		100-F; Hanford Site	100-F; Hanford Site	1948 Mar	W. Singlevich	*The Trend of Contamination in the Air, Columbia River, Rain, Sanitary Water, Vegetation, and Wastes, at the Hanford Works and Vicinity for the Period October, November, December, 1947*	http://www.osti.gov/scitech/biblio/6239076	Summarizes the contamination observed at the Hanford Works and vicinity for the period October, November, and December, 1947. Trend charts are included.	D	Z	Y	A	No	No
M-15-95-10		100-F	100-FR-3	1995 Dec	DOE-RL	*Federal Facility Agreement and Consent Order* Change Control Form Substitution of Focus Sheet for 100-FR-3 Proposed Plan as Deliverable for M-15-13-H	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=D196005999	Region 10 of the EPA has recommended modification of the M-15-13-H milestone, which currently reads, “Submit the 100-FR-3 OU IRM Proposed Plan to EPA/Ecology, 12/31/95.” The modified milestone reads “Submit a draft Focus Sheet for 100-FR-3 to BPA/Ecology, December 31, 1995.” Continued groundwater monitoring and data evaluation for the OU will be done in support of the final ROD. There is also an attached supporting letter from EPA to DOE-RL dated 10/24/95.	D	Z	Y,S		Yes	No

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Document ID	Rev./ Draft/ Vol.	Area	Operable Unit/Other	Date	Authors/ Originator	Title	Link	Document Description	Back-ground Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
M-15-96-06		100-F	100-FR-3	1996 Aug	DOE-RL	*Federal Facility Agreement and Consent Order* Change Control Form Modifications to Groundwater Sampling and Analysis Schedules for 100-FR-3 OU Groundwater Sampling Project	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=D196247216	Four modifications to the previous groundwater sampling and analysis schedule for the 100-FR-3 OU are made: (1) sampling frequency for most wells is reduced from semiannual to annual; (2) sampling locations are selected on the basis of proximity to the Columbia River, historical trends in each well, and contaminant plume locations; (3) more frequent sampling of wells with contaminant levels that exceed ARARs or that show increasing trends is conducted using cost effective methods; and (4) data validation, as performed during the LFI, is not performed for all new data.	D	G,Z	Y,X,P	A,M	No	No
OSR-2008-0001	Rev. 0	100-F	100-IU-2	2009 Mar	M.S. French	"Transmittal of the 100-IU-2 and 100-IU-6 Areas Orphan Sites Evaluation Report (OSR-2008-0001, Rev. 0)"	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=0904080681	Summarizes the approach and results from the orphan sites evaluations of the Hanford Site 100-IU-2 and 100-1U-6 areas that were conducted between October 2006 and October 2007. The purpose of orphan sites evaluations is to increase confidence that waste disposal or releases requiring characterization and cleanup within a given land parcel of the Hanford Site River Corridor have been identified. Information collected through conducting the evaluations also supports elements of CERCLA Section 120(h)(4) requirements for review and identification of uncontaminated property at federal facilities.	D,H,P	G,Z,T	S,X	A,M	Yes	No
PNL-10082		Hanford Site	Hanford Site	1994 Sept	P.E. Dresel, S.P. Luttrel, J.C. Evans, W.D. Weber, P.D. Thorne, M.A. Chamness, B.M. Gillespie, B.E. Opitz, J.T. Rieger, J.K. Merz, PNNL	*Hanford Site Ground-Water Monitoring for 1993*	http://www.osti.gov/scitech/servlets/purl/10192470	Presents the results of the Ground-Water Surveillance Project monitoring for calendar year (CY) 1993 on the Hanford Site. The information obtained is used to verify compliance with applicable environmental regulations and to evaluate remedial actions. Data from other monitoring and characterization programs were incorporated to provide an integrated assessment of Site groundwater quality. Additional characterization of the Site's geologic setting and hydrology was performed to support the interpretation of contaminant distributions. Numerical modeling of Sitewide groundwater flow also supported the overall project goals.	D,H,P	G,Z	Y,S,X,P	A,M	NO	NO
PNL-10174		Hanford Site	Hanford Site	1994 Oct	T.M. Poston, A.T. Cooper	*A Qualitative Evaluation of Radionuclide Concentrations in Hanford Site Wildlife, 1983 Through 1992*	http://www.osti.gov/scitech/servlets/purl/10194879	Environmental monitoring has been conducted at DOE`s Hanford Site since 1945. This report focuses on the 10-year period from 1983 through 1992. The objectives of this report are to evaluate strontium-90 and cesium-137 concentrations in Site wildlife populations and, when possible, evaluate trends in concentrations over this period of time. No distinct trends in radionuclide concentrations were apparent in most species sampled.	D	T	Y	A,M	Yes	No
PNL-10195		Hanford Site	Hanford Site	1994 Nov	P.D. Thorne	*Three Dimensional Conceptual Model for Hanford Site Unconfined Aquifer System FY 1994 Status Report*	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=D199061222	Provides an update on the development of a three-dimensional conceptual model of groundwater flow in the unconfined aquifer system for the Hanford Site.	D	G,Z,T	Y	M	No	No
PNL-6456		100 Areas	100 Areas	1988 Oct	R.D. Stenner	*Hazard Ranking System Evaluation of CERCLA Inactive Waste Sites at Hanford* [Section 1 of 3]	http://pdw.hanford.gov/arpir/pdf.cfm?accession=D196006954	Results of the individual site Hazard Ranking System (HRS) evaluations conducted as part of the preliminary assessment/site inspection activities performed at the Hanford Site. The HRS evaluation was conducted under CERCLA requirements of the DOE orders that address the cleanup of inactive waste sites. It includes all of the OUs in the 100 Area.	D	G,C,Z	Y		YES	NO
PNL-8101	Annual Report	100-F; Hanford Site	100-F; Hanford Site	1992 Aug	J.C. Chatters, H.A. Gard	*Hanford Cultural Resources Laboratory Annual Report for Fiscal Year 1991*	http://www.osti.gov/scitech/servlets/purl/7222291	This report contains compliance reviews, conditions of historic properties, known cultural resources, cultural resource protection and preservation, sample inventory of 10% site selections, and site ethnohistory.	D,H	G,E,T		A	No	No

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Document ID	Rev./ Draft/ Vol.	Area	Operable Unit/Other	Date	Authors/ Originator	Title	Link	Document Description	Back-ground Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
PNL-8143		100 Area	100 Area	1992 Sept	J.C. Chatters	*Fiscal Year 1991 Report on Archaeological Surveys of 100 Areas, Hanford Site, Washington*	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=D196109574	Identifies archaeological, historical, or culturally sensitive areas. Includes a literature survey and interviews with local Native American tribes.	D,H	G,E,T			No	No
PNL-8284		100-F	100-F	1992 Oct	J.C. Evans, R.W. Bryce, D.J. Bates	*Hanford Site Ground-Water Monitoring for 1991*	http://www.osti.gov/scitech/servlets/purl/10104341	Discusses results of groundwater monitoring at the Hanford Site during 1991. In addition to the general discussion, the following topics are discussed in detail: (1) carbon tetrachloride in the 200 West Area; (2) cyanide in and north of the 200 East and the 200 West Areas; (3) hexavalent chromium contamination in the 100, 200, and 600 Areas; (4) TCE near the Solid Waste Landfill, 100-F Area, and 300 Area; (5) nitrate across the Site; (6) tritium across the Site; and (7) other radionuclide contamination throughout the Site, including gross alpha, gross beta, cobalt-60, strontium-90, technetium-99, iodine-129, cesium-137, uranium, and plutonium.	D,H,P	G,Z,T	Y,S,X,P	A,M	Yes	No
PNL-8332		Hanford Site	Hanford Site	1992 Nov	P.D. Thorne	*Status Report on the Development of a Three-Dimensional Conceptual Model for the Hanford Site Unconfined Aquifer System*	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=D199061224	This report focuses on developing a hydrogeologic framework, assessing available hydraulic property data, describing flow system boundaries, and evaluating areal recharge and leakage. Detailed hydraulic head and hydrochemistry data are not presented.	D	G,Z,T	Y	A	No	No
PNL-8337		100-F	100-F	1992 Nov	D.R. Newcomer, P.D. Thorne	*Summary and Evaluation of Available Hydraulic Property Data for Hanford Site Unconfined Aquifer System*	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=D199061221	This report compiles and evaluates available hydraulic property data for the unconfined aquifer at Hanford. It provides a summary and describes the test and analysis methods that have been applied. It reviews pertinent documents and discusses tests that were not yet documented. The available hydraulic property data are summarized, and updated methods are reanalyzed.	D,H	G,Z,T	S	A	No	No
PNL-8520		100 Area	100 Area	1993 Mar	H.D. Freeman, M.A. Gerber, S.V. Mattigod, R.J. Serne	*100 Area Soil Washing Bench-Scale Test Procedures*	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=D196128354	Provides guidance, manuals, policies, and procedures for soil washing in the 100 Area. Analysis equations are described.	D	G	Y	A	No	No
PNL-8580		100-F	100-F	1993 Apr	M.D. Campbell, W.J. McMahon, K.R. Simpson	*Water Level Measurements for Modeling Hydraulic Properties in the 300-FF-5 and 100 Aggregate Area Operable Units*	http://www.osti.gov/scitech/servlets/purl/10144261	Pressure transducers connected to dataloggers were used to measure groundwater and Columbia River water elevations simultaneously and hourly at 35 locations in the 300-FF-5 OU and 16 locations in the 100 Aggregate Area OU on the Hanford Site. Water temperatures were also measured at 12 of these locations. This report details the findings of these studies.	D,H,P	G,Z,T	Y,S	A,M	No	No
PNL-8716		Hanford Site	Hanford Site	1993 Jun	P.E. Dresel, D.R. Newcomer, J.C. Evans, W.D. Webber, F.A. Spane, Jr., R.G. Raymond, B.E. Opitz, PNNL	*Hanford Site Ground-Water Monitoring for 1992*	http://www.osti.gov/scitech/servlets/purl/10172425	Monitoring activities were conducted to determine the distribution of radionuclides and hazardous chemicals present in groundwater as a result of Hanford Site operations and, whenever possible, to relate the distribution of these constituents to Site operations. A total of 720 wells were sampled during 1992 for all Hanford groundwater monitoring activities.	D,H,P	G,Z	Y,S,X,P	A	NO	NO
PNL-8789		100 Area	100 Area	1993 Sept	A.T. Cooper, R.K. Woodruff	*Investigation Of Exposure Rates and Radionuclide and Trace Metal Distributions Along Hanford Reach of Columbia River*	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=D196084641	Describes a study conducted as an activity of the Hanford Site Surface Environmental Surveillance Project to investigate exposure rates and radionuclide and trace metal distributions along the Hanford Reach. The study was designed as a field survey rather than as a statistically based sampling design. The results provide current external exposure rates, characterize radionuclide concentrations, and provide new data on the concentrations of trace metals in shoreline soils along the Hanford Reach.	D,H,P	G	Y,S,X	A,M	Yes	Yes

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Document ID	Rev./ Draft/ Vol.	Area	Operable Unit/Other	Date	Authors/ Originator	Title	Link	Document Description	Back-ground Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
PNL-8819		100 Areas, 100-F	100 Areas, 100-F	1993 Sept	M.K. Wright	*Fiscal Year 1992 Report on Archaeological Surveys of the 100 Areas, Hanford Site, Washington*	http://www.osti.gov/scitech/servlets/purl/10185935	During FY 1992, the Hanford Cultural Resources Laboratory conducted a field survey of the 100-HR-3 OU (600 Area) and tested three sites near the 100 Area Reactor compounds on DOE`s Hanford Site at the request of Westinghouse Hanford Company (WHC). These efforts were conducted in compliance with Section 106 of the *National Historic Preservation Act of 1966* and are part of a cultural resources review of 100 Area CERCLA OUs in support of CERCLA characterization studies. The results of the FY 1992 survey and test excavation efforts are discussed in this report. 518 ha (1,280 ac) in the 100-HR-3 OU were surveyed. Test excavations were conducted at three prehistoric sites near the 100-F and 100-K reactors to determine their eligibility for listing on the National Register of Historic Places.	D,H	G,T	S	A	No	No
PNL-8868		100-F	100-F	1993 Dec	P.D. Meyer	*A Quantitative Method for Groundwater Surveillance Monitoring Network Design at the Hanford Site*	http://www.osti.gov/scitech/servlets/purl/10115524	Explores the development of a quantitative network design method for the Groundwater Surveillance Project at the Hanford Site. The method presented attempts to generate network design alternatives that incorporate the stated concerns of the Groundwater Surveillance Project.	D	T	Y	A,M	No	No
PNL-8942		100-F	100-F	1993 Dec	J.L. Downs, W.H. Rickard, C.A. Brandt, and others	*Habitat Types on the Hanford Site: Wildlife and Plant Species of Concern*	http://www.osti.gov/scitech/servlets/purl/10110777	Provides a comprehensive source of the best available information on Hanford Site sensitive and critical habitats and plants and animals of importance or special status. Potentially important species for risk assessment and species of special concern with regard to their status as threatened, endangered, or sensitive are described, and potential habitats for these species identified.	D	G,E,T			No	No
PNL-8945		100-F	100-F	1993 Dec	R.A. Burnett, S. Tzemos, L.A. Dietz	*Conversion of Hanford Site Well Locations to Washington Coordinate System of 1983, South Zone 1991 (WCS83S)*	http://www.osti.gov/scitech/servlets/purl/10110208	Describes the development of a coordinate transformation process and algorithm and its application to the conversion of the horizontal coordinates of Hanford Site wells from the various local coordinate systems and datum to a single standard coordinate system, the Washington Coordinate system of 1983, South Zone 1991 (WCS83S).	D,H	G,T		A	No	Yes
PNL-8971		100 Area	100 Area	1993 Dec	P.D. Thorne	*Three-Dimensional Conceptual Model for the Hanford Site Unconfined Aquifer System, FY 1993 Status Report*	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=D199061223	Contains two maps (with 100-F Area), showing the locations of two reconfigured Golder Wells and tritium concentration contours for the upper unconfined aquifer in 1992.		T			No	No
PNL-9380		100-F	100-F	1994 Apr	L.L. Cadwell [ed.]	*Wildlife Studies on the Hanford Site: 1993 Highlights Report*	http://www.osti.gov/scitech/servlets/purl/10145573	The PNL Wildlife Resources Monitoring Project was initiated by DOE to track the status of wildlife populations to determine whether Hanford operations affected them. The project continues to conduct a census of wildlife populations that are highly visible, economically or aesthetically important, and rare or otherwise considered sensitive.	D,H	G,E,T	Y	A	No	No
PNL-9437		Hanford Site	Hanford Site	1994 Apr	M.D. Campbell, PNNL	*Monitoring Groundwater and River Interaction Along the Hanford Reach of the Columbia River*	http://www.osti.gov/scitech/servlets/purl/10142634	Describes the equipment, procedures, and results from measurements done in 1993. During 1993, Columbia River and groundwater elevations were measured hourly at 50 locations in 7 areas of the Hanford Site in south central Washington State. Water temperature was measured at 10 of these locations; electrical conductivity was measured at 5 locations.	D			A,M	NO	NO
PNL-9990; UC-2010		Hanford Site	Hanford Site	1994 Oct	D.R. Geist, T.M. Poston, D.D. Dauble, PNNL	*Assessment of Potential Impacts of Major Groundwater Contaminants to Fall Chinook Salmon (*Oncorhynchus tshawytscha*) in the Hanford Reach, Columbia River*	http://www.osti.gov/scitech/servlets/purl/10190976	Past operations of Hanford Site facilities have contaminated the groundwater adjacent to the Hanford Reach of the Columbia River, Washington, with various chemical and radiological constituents. The groundwater is hydraulically connected to the river and contains concentrations of contaminants that sometimes exceed federal and/or state drinking water standards or standards for the protection of aquatic life.	D,H,P	Z,E	Y,S,X,P	A	NO	NO

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Document ID	Rev./ Draft/ Vol.	Area	Operable Unit/Other	Date	Authors/ Originator	Title	Link	Document Description	Back-ground Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
PNNL-11989	Rev. 2	Hanford Site	Hanford Site	2000 Oct	PNNL	*Integrated Monitoring Plan for the Hanford Groundwater Monitoring Project*	http://www.pnl.gov/main/publications/external/technical_reports/PNNL-11989_Rev_2.pdf	Monitoring plan for the groundwater project and contains well and constituent lists for monitoring required by the AEA and its implementing orders (surveillance monitoring); other, established monitoring plans by reference; and a master well/constituent/frequency matrix for the entire Hanford Site.	D,P	G,Z,T	Y,X,P	A,M	NO	NO
PNNL-11989		100-F	100-FR-1; 100-FR-2; 100-FR-3	1999 Sept	D.R. Newcomer, E.C. Thornton, M.J. Hartman, P.E. Dresel	*Integrated Monitoring Plan for the Hanford Groundwater Monitoring Project*	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=D2756668	This document is an integrated monitoring plan for the groundwater project. It documents well and constituent lists for monitoring and appends a master well/constituent/frequency matrix for the entire Site.	D,P	G,Z,T	Y,S,P	A,M	Yes	No
PNNL-12086		Hanford Site	Hanford Site	1999 Feb	PNNL	*Hanford Site Groundwater Monitoring for Fiscal Year 1998*	http://www.osti.gov/scitech/servlets/purl/4737	Summarizes the results of FY 1998 groundwater and vadose zone monitoring and remediation activities on the Hanford Site. This report is designed to provide a comprehensive interpretation of current groundwater conditions on the Site and in adjacent areas, including a description of Site hydrogeology, groundwater flow, arid groundwater-contaminant distribution. This report fulfills reporting requirements of RCRA, specific WAC sections, and the AEA as implemented by DOE orders. This report also summarizes results of groundwater monitoring conducted to assess the effects of remediation or interim measures conducted in accordance with CERCLA.	D,H,P	G,Z,T	Y,S,X,P	A,M	YES	NO
PNNL-12088		Hanford Site	Hanford Site	1999 Jan	R.L. Dirkes; R.W. Hanf; T.M. Poston	*Hanford Site Environmental Report for Calendar Year 1998*	http://www.pnl.gov/main/publications/external/technical_reports/PNNL-12088.pdf	This Hanford Site annual environmental report summarizes environmental data and information, describes environmental management performance, demonstrates the status of compliance with environmental regulations, and highlights major environmental programs and efforts.	D,H,P	G,Z,C,E	Y,S,C,P	A,M	Yes	Yes
PNNL-13021		100-F	100-FR-1; 100-FR-2; 100-FR-3	1999 Sept	D.R. Newcomer, J.P McDonald, M.A. Chamness	*Water-Level Monitoring Plan for the Hanford Groundwater Monitoring Project*	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=D2760519	The techniques used to collect water level data are described in this document, along with the factors that affect the quality of the data and the strategies employed by the project to minimize error in the measurement and interpretation of water levels. All of the well networks are presented.	D	G,Z,T	Y,P	A,M	Yes	No
PNNL-13080		Hanford Site	Hanford Site	2000 FEB	M J. Hartman	*Hanford Site Groundwater Monitoring Setting, Sources, and Methods*	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=D2760032	Companion volume to the groundwater monitoring report for the Hanford Site. It contains background information that does not change significantly from year to year.	D,H	Z,T	Y,S		No	No
PNNL-13116	Section 1 of 2	Hanford Site	Hanford Site	2000 MAR	L.F. Morasch, M.J. Hartman, W.D. Webber	*Hanford Site Groundwater Monitoring for Fiscal Year 1999* [Section 1 of 2]	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=D2736610	This report presents the results of groundwater and vadose zone monitoring and remediation for FY 1999.	D,H	G,T	Y,S,P	A	No	No
PNNL-13116	Section 2 of 2	Hanford Site	Hanford Site	2000 MAR	L.F. Morasch, M.J. Hartman, W.D. Webber	*Hanford Site Groundwater Monitoring for Fiscal Year 1999* [Section 2 of 2]	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=D2736978	This section only briefly mentions 100-F Area constituents.			Y		No	No
PNNL-13127		Hanford Site	Hanford Site	2000 MAY	R.E. Peterson, T.M. Poston, PNNL	*Strontium-90 at the Hanford Site and its Ecological Implications*	http://www.pnl.gov/main/publications/external/technical_reports/PNNL-13127.PDF	Strontium-90, a radioactive contaminant from historical operations at the DOE Hanford Site, enters the Columbia River at several locations associated with former plutonium production reactors at the Site. The report characterizes groundwater contaminants in the nearshore environment and assesses the potential for ecological impacts using one of the most sensitive ecological indicators for aquatic organisms - salmon embryos.	D,H,P	E	Y,S	A	NO	NO
PNNL-13230		Hanford Site	Hanford Site	2000 Sept	T.M. Poston, R.W. Hanf, R.L. Dirkes	*Hanford Site Environmental Report for Calendar Year 1999*	http://www.pnl.gov/main/publications/external/technical_reports/PNNL-13230.pdf	The Hanford Site environmental report is prepared annually to summarize environmental data and information, to describe environmental management performance, to demonstrate the status of compliance with environmental regulations, and to highlight major environmental programs and efforts.	D,H,P	G,Z,C,E, T	Y,S,X,P	A,M	Yes	Yes
PNNL-13327		100-F	100-FR-3	2000 Sept	M.D. Sweeney	*Groundwater Sampling and Analysis Plan for the 100-FR-3 Operable Unit*	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=D1659970	This report describes the well network, constituents analyzed, sampling protocol and reporting, and quality assurance requirements.	D,H	Z,T	Y,S		No	No

Table B1. Annotated Bibliography

Document ID	Rev./ Draft/ Vol.	Area	Operable Unit/Other	Date	Authors/ Originator	Title	Link	Document Description	Back-ground Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
PNNL-13404		Hanford Site	Hanford Site	2001 Mar	M.J. Hartman, PNNL	*Hanford Site Groundwater Monitoring for Fiscal Year 2000*	http://www.pnl.gov/main/publications/external/technical_reports/PNNL-13404.pdf	Hanford Site Groundwater Monitoring for FY 2000 presents results of groundwater monitoring, vadose zone monitoring and characterization, and groundwater modeling. This report also summarizes groundwater remediation and well installation activities for the FY. Monitoring results primarily rely on data from samples collected between October 1, 1999, and September 30, 2000.	D,H,P	G,Z,C,E, T	Y,S,X,P	A,M	YES	YES
PNNL-13417		Hanford Site	Hanford Site	2001 Jan	G.W. Patton, E.A. Crecelins, PNNL	*Simultaneously Extracted Metals/Acid-Volatile Sulfide and Total Metals in Surface Sediment from the Hanford Reach of the Columbia River and the Lower Snake River*	http://www.pnl.gov/main/publications/external/technical_reports/PNNL-13417.PDF	This paper describes sediment concentrations of total metals, simultaneously extracted metals/acid-volatile sulfide (SEM/AVS), total organic carbon, and particle size for upper layer sediment collected from the Columbia River for 1997 through 1999, and the Snake River for 1998 and 1999. The data will be used to evaluate the ecological risk to aquatic organisms using both the geochemical equilibration (i.e., SEM/AVS) and dietary uptake (total metals) methods.	D,H,P	E	Y	A	NO	NO
PNNL-13487		Hanford Site	Hanford Site	2001 Sept	T.M. Poston, R.W. Hanf, R.L. Dirkes, L.F. Morasch	*Hanford Site Environmental Report for Calendar Year 2000*	http://www.pnl.gov/main/publications/external/technical_reports/PNNL-13487.pdf	This Hanford Site Environmental Report is prepared annually to summarize environmental data and information, to describe environmental management performance, to demonstrate the status of compliance with environmental regulations, and to highlight major environmental programs and efforts.	D,H,P	G,Z,C,E	Y,S,C,P	A,M	Yes	Yes
PNNL-13487-SUM		Hanford Site	Hanford Site	2001 Oct	R.W. Hanf, T.M. Poston, G.A. O'Connor, L.F. Morasch	*Summary of Hanford Site Environmental Report for Calendar Year 2000*	http://www.pnl.gov/main/publications/external/technical_reports//pnnl-13487-sum/pnnl-13487-sum.pdf	Summary booklet of the annual environmental report for CY 2000.	D,H,P	G,Z,C,E	Y		No	No
PNNL-13674		100-F	100-F	2001 Oct	R.E. Peterson, M.P. Connelly	*Zone of Interaction Between Hanford Site Groundwater and Adjacent Columbia River*	http://www.pnl.gov/main/publications/external/technical_reports//pnnl-13487-sum/pnnl-13487-sum.pdf	This report describes the FY 2000 results of a Science and Technology investigation of the groundwater/river interface at the Hanford Site. The investigation focused on (1) a two-dimensional simulation of water flow paths beneath the shoreline region under the influence of a transient river stage, and (2) mixing between groundwater and river water.	D,P	G,H,T	C,S	A,M	Yes	Yes
PNNL-13688		100-F	100-F	2001 Sept	M.R. Sackschewsky, J.L. Downs,	*Vascular Plants of the Hanford Site*	http://www.pnl.gov/main/publications/external/technical_reports/pnnl-13688.pdf	This report provides an updated listing of the vascular plants present on and near the DOE Hanford Site. This document is an update of a listing of plants prepared by Sackschewsky et al. in 1992. This information may be useful in developing risk assessment models and as supporting information for cleanup level and remediation decisions.	D,H	E,T			No	No
PNNL-13788		Hanford Site	Hanford Site	2002 Mar	L.F. Morasch, M.J. Hartman, W.D. Webber	*Hanford Site Groundwater Monitoring for FY 2001* [Section 2 of 2]	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=D2740450	This summary document section illustrates the iodine-129 plume of 2001.	D	T	Y,S,P	A,M	Yes	Yes
PNNL-13788		Hanford Site	Hanford Site	2002 Mar	M.J. Hartman, PNNL	*Hanford Site Groundwater Monitoring for Fiscal Year 2001*	http://www.pnl.gov/main/publications/external/technical_reports/PNNL-13788.pdf	Hanford Site Groundwater Monitoring for FY 2001 presents results of groundwater monitoring, vadose zone monitoring and characterization, and groundwater modeling. This report also summarizes groundwater remediation and well installation activities for the FY. Monitoring results primarily rely on data from samples collected between October 1, 2000, and September 30, 2001. Data received after November 12, 2001, may not have been considered in the interpretations.	D,H,P	G,Z,C,E, T	Y,S,X,P	A,M	YES	YES
PNNL-13788-SUM		Hanford Site	Hanford Site	2002 Mar	L.F. Morasch, M.J. Hartman, W.D. Webber	*Summary of Hanford Site Groundwater Monitoring for Fiscal Year 2001*	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=D9161420	This summary booklet briefly (1) describes the highlights for FY 2001; (2) identifies emerging issues in groundwater monitoring; (3) discusses groundwater flow and movement; and (4) provides an overview of current contamination in the Hanford Site groundwater and vadose zone.	D	T	Y,S,P	A,M	Yes	Yes
PNNL-13910		Hanford Site	Hanford Site	2002 Sept	T.M. Poston, R.W. Hanf, R.L. Dirkes, L.F. Morasch	*Hanford Site Environmental Report for Calendar Year 2001*	http://www.pnl.gov/main/publications/external/technical_reports/PNNL-13910.pdf	Summary of environmental information for the Hanford Site for CY 2001.	D,H,P	G,Z,C,E	Y,S,C,P	A,M	Yes	Yes

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Document ID	Rev./ Draft/ Vol.	Area	Operable Unit/Other	Date	Authors/ Originator	Title	Link	Document Description	Back-ground Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
PNNL-13910-SUM		Hanford Site	Hanford Site	2002 Sept	G.P. O'Connor, R.W. Hanf, T.M. Poston	*Summary of the Hanford Site Environmental Report for Calendar Year 2001*	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=D3049241	This booklet summarizes the Hanford Site Environmental Report for CY 2001. It includes information and summary data that describe environmental management performance at the Site; demonstrate the status of the Site's compliance with applicable federal, state, and local environmental laws and regulations; and highlight significant environmental monitoring and surveillance programs and efforts.	D,H,P	G,Z,C,E, T	Y,S,X,P	A,M	Yes	Yes
PNNL-14111		Hanford Site	Hanford Site	2002 Nov	M.J. Hartman	*Fiscal Year 2003 Integrated Monitoring Plan for the Hanford Groundwater Monitoring Project*	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=D9192290	Sampling locations and discussion of monitoring for CY 2003.	D,H,P	T	Y,P		No	No
PNNL-14187		Hanford Site	Hanford Site	2003 Feb	M.J. Hartman, L.F. Morasch, W.D. Webber	*Hanford Site Groundwater Monitoring for Fiscal Year 2002*	http://www.pnl.gov/main/publications/external/technical_reports/PNNL-14187.pdf	Presents the results of groundwater and vadose zone monitoring and remediation for FY 2002 on DOE's Hanford Site in Washington State. This report is written to meet the requirements in CERCLA, RCRA, AEA, and the WAC.	D,H,P	G,Z,T	Y,S,R,P	A,M	Yes	Yes
PNNL-14187-SUM		Hanford Site	Hanford Site	2003 Mar	L.F. Morasch, M.J. Hartman, W.D. Webber	*Summary of Hanford Site Groundwater Monitoring for FY 2002*	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=D2984289	This booklet summarizes Hanford Site Groundwater Monitoring for FY 2002. That report is prepared annually to present the results of groundwater and vadose zone monitoring and remediation on DOE's Hanford Site in Washington State. The results primarily rely on data from samples collected between October 1, 2001, and September 30, 2002. This summary booklet is designed to briefly (1) describe the highlights for FY 2002; (2) identify emerging issues in groundwater monitoring; (3) discuss groundwater flow and movement; and (4) provide an overview of current contamination in the Hanford Site groundwater and vadose zone.	D,H,P	G,Z,E,T	Y,S,X,P	A,M	No	Yes
PNNL-14287		100-F 100-BC	100-BC-5 100-FR-3	2003 MAY	M.D. Sweeney, C.J. Chou, PNNL	*Data Quality Objectives Summary Report - Designing a Groundwater Monitoring and Assessment Network for the 100-BC-5 and 100-FR-3 Operable Units*	http://www.pnl.gov/main/publications/external/technical_reports/PNNL-14287.pdf	The primary objective of this data quality objective (DQO) exercise is to establish a foundation for a sampling and analysis strategy that will bridge the gap between data obtained from earlier investigations and the information required to support future remedial action decisions. The new information contributes to the basis for decisions guiding the remediation methods, closure/compliance monitoring requirements, and developing RODs for the 100-BC-5 and 100-FR-3 OUs.	D,H,P		Y,S,X	A,M	YES	YES
PNNL-14295		Hanford Site	Hanford Site	2003 Sept	T.M. Poston, PNNL	*Hanford Site Environmental Report for Calendar Year 2002*	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=D2984227	The report provides an overview of activities at the Site during 2002; demonstrates the status of the Site's compliance with applicable federal, state, and local environmental laws and regulations, executive orders, and DOE policies; and summarizes environmental data that characterize Hanford Site environmental management performance. The report also highlights significant environmental programs and efforts. Some historical and early 2003 information is included where appropriate.	D,H,P	G,Z,C,E, T	Y,S,X,P	A,M	YES	YES
PNNL-14444		Hanford Site	Hanford Site	2003 Oct	M.J. Hartman, R.E. Peterson, PNNL	*Aquifer Sampling Tube Results for Fiscal Year 2003*	http://www.pnl.gov/main/publications/external/technical_reports/PNNL-14444.pdf	This report presents and discusses results of the FY 2003 sampling event associated with aquifer tubes along the Columbia River in the northern Hanford Site. Aquifer tube data help define the extent of groundwater contamination near the Columbia River, determine vertical variations in contamination, monitor the performance of interim remedial actions near the river, and support impact studies. Contaminants of concern in the 100-F Area are hexavalent chromium, gross alpha, gross beta, nitrate, strontium-90, TCE, and tritium.	H		Y		NO	NO

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Document ID	Rev./ Draft/ Vol.	Area	Operable Unit/Other	Date	Authors/ Originator	Title	Link	Document Description	Back-ground Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
PNNL-14548		100-F	100-F	2004 Apr	M.J. Hartman, L.F. Morasch W.D. Webber.	*Hanford Site Groundwater Monitoring for Fiscal Year 2003*	http://www.pnl.gov/main/publications/external/technical_reports/PNNL-14548.pdf	This report presents the results of groundwater and vadose zone monitoring and remediation for FY 2003 (October 2002 through September 2003) on DOE's Hanford Site, Washington. In FY 2003, the System Assessment Capability computer module was updated with the addition of an atmospheric transport module and with newer versions of models, including an updated groundwater flow and transport model.	D,H,P	G,Z,C,E, T	Y,S,R,P	A,M	No	No
PNNL-14687		Hanford Site	Hanford Site	2004 Sept	L.F. Morasch, R.L. Dirkes, R.W. Hanf, T.M. Poston	*Hanford Site Environmental Report for Calendar Year 2003* [Section 1 of 2]	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=D6396066	A comprehensive report of all Hanford activities for CY 2003. Appendices include data, specific monitoring results, and calculations for all details of onsite environmental monitoring for CY 2003.	D,H,P	G,Z,C,E, T	Y,S,X,P	A	Yes	Yes
PNNL-14687 APP 2		Hanford Site	Hanford Site	2004 Sept	C.J. Perkins, R.T. Coffman, S.M. McKinney, R.M. Mitchell, R.C. Roos	*Hanford Site Near-Facility Environmental Monitoring Data Report for Calendar Year 2003*	http://www.pnl.gov/main/publications/external/technical_reports/PNNL-14687APP2.pdf	This document presents the results of near-facility monitoring on the Hanford Site for CY 2003.	D,H,P	G,E,T	Y,S	A	No	No
PNNL-14687-SUM		Hanford Site	Hanford Site	2004 Sept	R,W. Hanf, L.F. Morasch, T.M. Poston, R.L. Dirkes	*Summary of the Hanford Site Environmental Report for Calendar Year 2003*	http://www.pnl.gov/main/publications/external/technical_reports/PNNL-14687sum.pdf	This document provides a summary of the larger report.	D,H	G,Z,C,E, T	Y,S	A,M	No	No
PNNL-15070		Hanford Site	Hanford Site	2005 Apr	M.J. Hartman, PNNL	*Summary of Hanford Site Groundwater Monitoring for Fiscal Year 2004*	http://www.pnl.gov/main/publications/external/technical_reports/PNNL-15070.pdf	Results of groundwater and vadose zone monitoring for FY 2004 (October 2003 through September 2004) at the Hanford Site.	D,H,P	G,Z	Y,S,X	A,M	NO	NO
PNNL-15070-SUM		Hanford Site	Hanford Site	2005 Apr	M.J. Hartman, L.F. Morash; W.D. Webber	*Summary of Hanford Site Groundwater Monitoring for Fiscal Year 2004*	http://www.pnl.gov/main/publications/external/technical_reports/PNNL-15070sum.pdf	This booklet is the summary chapter of the large groundwater report printed in booklet form. It contains information on the current status of groundwater beneath the Hanford Site, highlights of FY 2004 monitoring, and emerging issues.	D,H,P	E	Y,S,R,P	A,M	Yes	Yes
PNNL-15176		Hanford Site	Hanford Site	2005 Jun	J.T. Rieger, M.J. Hartman	*Fiscal Year 2005 Integrated Monitoring Plan for the Hanford Groundwater Performance Assessment Project*	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=DA273110	This report documents the purposes and objectives of groundwater monitoring, which fall into three general categories: (1) plume and trend tracking, (2) monitoring of treatment/storage/disposal units, and (3) independent assessment of performance monitoring for groundwater remediation activities. The table of wells and constituents in Appendix A was constructed by querying the Groundwater Project's schedule database.	D,H,P	G,Z,T	Y,S,P	A,M	No	No
PNNL-15222		100-F	100-FR-3	2005 Sept	T.M. Poston, R.W. Hanf, R.L. Dirkes	*Hanford Site Environmental Report for Calendar Year 2004*	http://www.pnl.gov/main/publications/external/technical_reports/PNNL-15222.pdf	This report, published annually since 1958, includes information and summary analytical data that (1) provide an overview of activities at the Hanford Site during CY 2004; (2) demonstrate the Site's compliance with applicable federal, state, and local environmental laws and regulations, executive orders, and DOE policies and directives; (3) characterize Hanford Site environmental management performance; and (4) highlight significant environmental programs.	D,H,P	G,Z,C,E, T	Y,S,X,P	A,M	Yes	Yes
PNNL-15670		Hanford Site	Hanford Site	2006 Feb	M.J. Hartman PNNL	*Hanford Site Groundwater Monitoring for Fiscal Year 2005*	http://www.pnl.gov/main/publications/external/technical_reports/PNNL-15670.pdf	Results of groundwater monitoring to meet the requirements of the AEA, RCRA, and those CERCLA groundwater OUs where cleanup decisions have not yet been made (Table 1.1-1). This report also summarizes groundwater remediation, vadose zone monitoring and characterization, and well installation activities. Monitoring results primarily rely on data from samples collected in FY 2005; i.e., October 1, 2004 through September 30, 2005.	D,H,P	G,Z,C,E, T	Y,S,X,P	A,M	YES	YES
PNNL-15670-SUM		Hanford Site	Hanford Site	2006 Mar	M.J. Hartman, L.F. Morasch, W.D. Webber	*Summary of Hanford Site Groundwater Monitoring for Fiscal Year 2005*	http://www.pnl.gov/main/publications/external/technical_reports/PNNL-15070sum.pdf	This is a summary booklet of the main report: PNNL-15670.	D,H,P	E	Y,S,R,P	A,M	Yes	Yes

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Document ID	Rev./ Draft/ Vol.	Area	Operable Unit/Other	Date	Authors/ Originator	Title	Link	Document Description	Back-ground Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
PNNL-15892		Hanford Site	Hanford Site	2006 Sept	T.M. Poston, R.W. Hanf, R.L. Dirkes, L.F. Morasch	*Hanford Site Environmental Report for Calendar Year 2005*	http://www.pnl.gov/main/publications/external/technical_reports/PNNL-15892.pdf	This report includes information and summary analytical data that (1) provide an overview of activities at the Hanford Site during CY 2005; (2) demonstrate the Site's compliance with applicable federal, state, and local environmental laws and regulations, executive orders, and DOE policies and directives; (3) characterize Hanford Site environmental management performance; and (4) highlight significant environmental programs.	D,H,P	G,Z,C,E, T	Y,S,X,P	A,M	Yes	Yes
PNNL-16346		Hanford Site	Hanford Site	2007 Mar	M.J. Hartman, PNNL	*Hanford Site Groundwater Monitoring for Fiscal Year 2006*	http://www.pnl.gov/main/publications/external/technical_reports/PNNL-16346.pdf	Presents results of groundwater monitoring to meet the requirements of the AEA, RCRA, and those CERCLA groundwater OUs where cleanup decisions have not yet been made. This report also summarizes groundwater remediation, vadose zone monitoring and characterization, and well installation activities. Monitoring results primarily rely on data from samples collected in FY 2006; i.e., October 1, 2005 through September 30, 2006. Appendix A lists supporting information for CERCLA OU monitoring. Appendix B contains tables and figures that support RCRA and other facility monitoring.	D,H,P	G,Z,C,E, T	Y,S,X,P	A,M	YES	YES
PNNL-16346-SUM		Hanford Site	Hanford Site	2007 Aug	M.J. Hartman, L.F> Morasch, W.D. Webber	*Summary of Hanford Site Groundwater Monitoring for Fiscal Year 2006*	http://www.pnl.gov/main/publications/external/technical_reports/PNNL-16346_SUM.pdf	This booklet provides a summary of groundwater monitoring on the Hanford Site during FY 2006.	D,H,P	E	Y,S,R,P	A,M	Yes	Yes
PNNL-17603		Hanford Site	Hanford Site	2008 Jun	T.M. Poston, J.P. Duncan, R.L. Dirkes	*Hanford Site Environmental Report for Calendar Year 2007*	http://www.pnl.gov/main/publications/external/technical_reports/PNNL-17603.pdf	The Hanford Site environmental report is prepared annually for DOE in accordance with regulatory requirements. Provides an overview of activities at the site; demonstrates the status of the site's compliance with applicable federal, state, and local environmental laws and regulations, executive orders, and DOE policies and directives; and summarizes environmental data that characterize Hanford Site environmental management performance. The report also highlights significant environmental and public protection programs and efforts.	D,H,P	G,Z,C,E, T	Y,S,X,P	A,M	Yes	Yes
PNNL-17603-SUM		Hanford Site	Hanford Site	2008 Sept	J.P. Duncan, T.M. Poston, R.L. Dirkes	*Summary of the Hanford Site Environmental Report for Calendar Year 2007*	http://www.pnl.gov/main/publications/external/technical_reports/PNNL-17603.pdf	This summary booklet summarizes the *Hanford Site Environmental Report for Calendar Year 2007*. The Hanford Site environmental report includes information and summary data that provide an overview of activities at DOE's Hanford Site.	D,H,P	G,Z,C,E	Y,S,C,P	A,M	Yes	Yes
PNNL-18427		Hanford Site	Hanford Site	2009 Sept	T.M. Poston, PNNL	*Hanford Site Environmental Report for Calendar Year 2008*	http://www.pnl.gov/main/publications/external/technical_reports/PNNL-18427.pdf	Provides an overview of activities at the Hanford Site; demonstrates the status of the Site's compliance with applicable federal, state, and local environmental laws and regulations, permits, executive orders, and DOE policies and directives; and summarizes environmental data that characterize Site environmental management performance. The report also highlights significant environmental and public protection programs and efforts. Some historical and early 2009 information is included where appropriate.	D,H,P	G,Z,C,E, T	Y,S,X,P	A,M	YES	YES
PNNL-18427 APP.2		Hanford Site	Hanford Site	2009 Sept	C.J. Perkins, M.C. Dorsey, S.M. McKinney, W. Wilde, T.M. Poston	*Hanford Site Environmental Surveillance Data Report for Calendar Year 2008*	http://www.pnl.gov/main/publications/external/technical_reports/PNNL-18427app2.pdf	This report focuses on near-facility environmental monitoring, defined as monitoring near facilities that have the potential to discharge or have discharged, stored, or disposed of radioactive or hazardous materials. Much of the monitoring consists of collecting and analyzing environmental samples and methodically surveying areas near facilities. The program also evaluates acquired analytical data, determines the effectiveness of facility effluent monitoring and controls, assesses the adequacy of containment at waste disposal units, and detects and monitors unusual conditions.	D	E,T	Y	A,M	No	No
PNNL-19207		100-F	108-F	2010 Mar	E.J. Antonio; T.M. Poston; B.A. Rathbone	*Thermoluminescent Dosimeter Use for Environmental Surveillance at the Hanford Site, 1971–2005*	http://www.pnl.gov/main/publications/external/technical_reports/pnl-19207.pdf	Describes the principles of thermoluminescent dosimetry and the various thermoluminescent dosimeter systems and presents the results of a review of the measurement of external radiation using TLDs outside of industrialized areas on the Site, at locations along the river shoreline, and in areas adjacent to and distant from the Hanford Site.	D,H,P	G,Z	Y,S,X	A,M	No	No

Table B1. Annotated Bibliography

Document ID	Rev./ Draft/ Vol.	Area	Operable Unit/Other	Date	Authors/ Originator	Title	Link	Document Description	Back-ground Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
PNNL-6415	Rev. 17	Hanford Site	Hanford Site	2005 Sept	D. Neitzel, PNNL	*Hanford Site National Environmental Policy Act (NEPA) Characterization Report*	http://www.pnl.gov/main/publications/external/technical_reports/PNNL-6415Rev17.pdf	Describes the DOE Hanford Site environment. It is updated each year and is intended to provide a consistent description of the Hanford Site environment for the many NEPA documents being prepared by DOE contractors. No statements of significance or environmental consequences are provided. This year's report is the seventeenth revision of the original document published in 1988 and is (until replaced by the eighteenth revision) the only version that is relevant for use in the preparation of Hanford NEPA, *State Environmental Policy Act*, and CERCLA documents.	D,H,P	G,Z,C,E, T	Y,S,X,P	A,M	NO	NO
PNNL-6415	Rev. 15	Hanford Site	Hanford Site	2003 Sept	D.A. Neitzel, PNNL	*Hanford Site National Environmental Policy Act (NEPA) Characterization*	http://www.osti.gov/scitech/servlets/purl/15010377	Describes the DOE Hanford Site environment. It is updated each year and is intended to provide a consistent description of the Hanford Site environment for the many environmental documents being prepared by DOE contractors concerning NEPA. No statements about significance or environmental consequences are provided. The two chapters included in this document (Chapters 4 and 6) are numbered to correspond to the chapters where such information is typically presented in environmental impact statements (Weiss) and other Hanford Site NEPA or CERCLA documentation.	D,H,P	G,Z,C,E, T	Y,S,R,P	A,M	No	No
PNNL-6415	Rev. 16	Hanford Site	Hanford Site	2004 Sept	D.A. Neitzel, PNNL	*Hanford Site National Environmental Policy Act (NEPA) Characterization Report*	http://www.pnl.gov/main/publications/external/technical_reports/PNNL-6415rev16.pdf	Describes the DOE Hanford Site environment. It is updated each year and is intended to provide a consistent description of the Hanford Site environment for the many NEPA documents being prepared by DOE contractors. No statements of significance or environmental consequences are provided. This year's report is the sixteenth revision of the original document published in 1988.	D,H,P	G,Z,C,E, T	Y,S,R,P	A,M	No	No
RL-REA-2514		100-H, 100-F	100-H, 100-F	1965 Oct	G. Herman, Jr.	*Underground Radioactive Materials in 100-H and F Plants*	http://www.pnl.gov/main/publications/external/technical_reports/PNNL-6415rev16.pdf	At 100-H Area, there are 13 locations and at 100-F Area 16 locations where radioactive material was deposited underground. Five of these locations, two at 100-H and three at 100-F, have been permanently terminated as burial sites in compliance with Radiation Control Standards. They contain solid waste with significant quantities of long-life radionuclides. Control objectives for these locations were to prevent contamination spreads and limit personnel access for several years. The activity at the radiation zoned sites should be measured at the end of 5 years, or before all control is relinquished, to ascertain if the locations are releasable.	D,H	G	Y,S,X,P	A	No	No
RSVP-2004-130	Rev. 0	100-F	100-FR-1	2008 Jan	L.M. Dittmer, WCH	*Remaining Sites Verification Package for the 1607-F1 Sanitary Sewer System (124-F-1) and the 100-F-26:8 (1607-F1) Sanitary Sewer Pipelines Waste Sites, Waste Site Reclassification Form 2004-130*	http://www.osti.gov/scitech/servlets/purl/944133	This report demonstrates that the 1607-F1 sanitary sewer system and 100-F-26:8 sanitary sewer pipelines waste sites meet the objectives for interim closure. The results of verification sampling show that residual contaminant concentrations do not preclude any future uses (as bounded by the rural residential scenario) and allow for unrestricted use of shallow-zone soils (i.e., surface to 4.6 m [15 ft] deep). The results also demonstrate that residual contaminant concentrations are protective of groundwater and the Columbia River.	D,H,P		Y,S	A	NO	NO
RSVP-2005-004		100-F	100-FR-1; 1607-F1; 124-F-1	2008 Mar	L.M. Dittmer	*Remaining Sites Verification Package for the 1607-F1 Sanitary Sewer System (124-F-1) and the 100-F-26:8 (1607-F1) Sanitary Sewer Pipelines Waste Sites, Waste Site Reclassification Form 2005-004*	http://www.osti.gov/scitech/servlets/purl/944136	Discusses the reclassification of the 1607-F1 sanitary sewer system (124-F-1) and the 100-F-26:8 (1607-F1) sanitary sewer pipelines waste sites. The 1607-F1 and 100-F-26:8 waste sites are located within the 100-FR-1 OU.	D,H	E,T	Y,S	A	Yes	No

Table B1. Annotated Bibliography

Document ID	Rev./ Draft/ Vol.	Area	Operable Unit/Other	Date	Authors/ Originator	Title	Link	Document Description	Back-ground Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
RSVP-2005-011		100-F	100-FR-1	2008 Mar	J.R. Franco DOE/RL	*Remaining Sites Verification Package for the 100-F-26:13, 108-F Drain Pipelines, Waste Site Reclassification Form 2005-011*	http://www.osti.gov/scitech/biblio/944137	The 126-F-2 site is the clearwell facility formerly used as part of the reactor cooling water treatment at the 183-F facility. During demolition operations in the 1970s, potentially contaminated debris was disposed in the eastern clearwell structure. The site has been remediated by removing all debris in the clearwell structure to ERDF. The results of radiological surveys and visual inspection of the remediated clearwell structure show neither residual contamination nor the potential for contaminant migration beyond the clearwell boundaries. The results of verification sampling at the remediation waste staging area demonstrated that residual contaminant concentrations do not preclude any future uses and allow for unrestricted use of shallow-zone soils. The results also showed that residual contaminant concentrations are protective of groundwater and the Columbia River.	D,P	E	Y,X	A	NO	NO
RSVP-2005-025		100-F	100-FR-1, 182-F	2005 Aug	R.A. Carlson	*Remaining Sites Verification Package for the 182-F Reservoir Waste Site, Waste Site Reclassification Form 2005-025*	http://www.osti.gov/scitech/servlets/purl/944139	The 182-F Reservoir was a rectangular-shaped concrete basin consisting of two sections divided by a concrete wall. The reservoir provided reserve water from the Columbia River for reactor cooling water and raw water for the 100 Area, and had a storage capacity of 94.6 million L (25 million gal). The 182-F Reservoir was later used as a landfill for decontaminated rubble from buildings that were decommissioned in the 100-F Area. The results of the 182-F Reservoir evaluation showed that residual contaminant concentrations do not preclude any future uses and allow for unrestricted use of shallow-zone soils. The results also showed that residual contaminant concentrations are protective of groundwater and the Columbia River.	D,H,P	G,Z,T	Y	A	Yes	No
RSVP-2006-017		100-F	100-FR-1	2006 May	R.A. Carlson	*Remaining Sites Verification Package for the 126-F-2, 183-F Clearwells, Waste Site Reclassification Form 2006-017*	http://www.osti.gov/scitech/servlets/purl/944146	Demonstrates that the 100-F-26: 13 waste site meets the objectives for interim closure. The results of verification sampling show that residual contaminant concentrations do not preclude any future uses and allow for unrestricted use of shallow-zone soils. The results also demonstrate that residual contaminant concentrations are protective of groundwater and the Columbia River. Excavation depths include both shallow-zone and deep-zone components. However, the excavation area is considered as one decision unit and is interim closed out using the more restrictive shallow-zone criteria; therefore, institutional controls to prevent uncontrolled drilling or excavation into the deep zone are not required.	D,H	G,T	Y,S	A	Yes	No
RSVP-2006-027	Rev. 0	100-F	100-FR-1	2006 May	R.A. Carlson, WCH	*Remaining Sites Verification Package for the 141-C Large Animal Barn and Biology Laboratory (Hog Barn), Waste Site Reclassification Form 2006-027*	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=DA02754894	This report demonstrates that the 141-C waste site meets the objectives for interim closure. The results of verification sampling show that residual contaminant concentrations do not preclude any future uses (as bounded by the rural residential scenario) and allow for unrestricted use of shallow-zone soils (i.e., surface to 4.6 m [15 ft] deep). The results also demonstrate that residual contaminant concentrations are protective of groundwater and the Columbia River.	D,H,P	E	Y,S,X,P	A	NO	NO
RSVP-2006-039	Rev. 0	100-F	100-FR-1, 116-F-16	2006 Jun	L.M. Dittmer	*Remaining Sites Verification Package for the 116-F-16, PNL Outfall and the 100-F-43, PNL Outfall Spillway, Waste Site Reclassification Form 2006-039*	http://www.osti.gov/scitech/servlets/purl/944440	The 116-F-16 waste site is the former PNL Outfall, used to discharge waste effluents from the 100-F EAF. The results of verification sampling show that residual contaminant concentrations do not preclude any future uses, and allow for unrestricted use of shallow-zone soils. The results also demonstrate that residual contaminant concentrations are protective of groundwater and the Columbia River.	D,H,P	Z,T	Y,S	A	Yes	No

Table B1. Annotated Bibliography

Document ID	Rev./ Draft/ Vol.	Area	Operable Unit/Other	Date	Authors/ Originator	Title	Link	Document Description	Back-ground Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
RSVP-2006-042		100-F	100-FR-2, 128-F-3, 126-F-1	2006 Oct	L.M. Dittmer	*Remaining Sites Verification Package for the 128-F-3 PNL Burn Pit, Waste Site Reclassification Form 2006-042*	http://www.osti.gov/scitech/servlets/purl/944155	The 128-F-3 waste site is a former burn pit associated with the 100-F Area EAF. The site was overlain by coal ash associated with the 126-F-1 waste site and could not be located during confirmatory site evaluation. Therefore, a housekeeping action was performed to remove the coal ash potentially obscuring residual burn pit features. The results of verification sampling demonstrated that residual contaminant concentrations do not preclude any future uses and allow for unrestricted use of shallow-zone soils. The results also showed that residual contaminant concentrations are protective of groundwater and the Columbia River.	D,H,P	G,T	Y,S	A	No	No
RSVP-2006-046	Rev. 0	100-F	100-FR-1 100-F-43	2006 Jun	L.M. Dittmer	*Remaining Sites Verification Package for the 116-F-16, PNL Outfall and the 100-F-43, PNL Outfall Spillway, Waste Site Reclassification Form 2006-046*	http://www.osti.gov/scitech/servlets/purl/944441	The 100-F-43 waste site is the portion of the former discharge spillway for the PNL Outfall formerly existing above the ordinary high water mark of the Columbia River. The spillway consisted of a concrete flume used to discharge waste effluents from the 100-F EAF. The results of verification sampling show that residual contaminant concentrations do not preclude any future uses and allow for unrestricted use of shallow-zone soils. The results also demonstrate that residual contaminant concentrations are protective of groundwater and the Columbia River.	D,H,P	G,Z,T	Y,S	A	Yes	No
RSVP-2006-057		100-F	100-IU-6	2008 Nov	J.M. Capron	*Remaining Sites Verification Package for the 600-111, P-11 Critical Mass Laboratory Crib, and UPR-600-16, Fire and Contamination Spread Waste Sites, Waste Site Reclassification Form 2004-065*	http://www.osti.gov/scitech/servlets/purl/944188	The 600-111, P-11 Critical Mass Laboratory Crib waste site, also referred to as the P-11 Facility, included the 120 Experimental Building, the 123 Control Building, and the P-11 Crib. The facility was constructed in 1949 and was used as a laboratory for plutonium criticality studies. In accordance with this evaluation, the confirmatory and verification sampling results support a reclassification of this site to Interim Closed Out. The results of confirmatory and verification sampling show that residual contaminant concentrations do not preclude any future uses and allow for unrestricted use of shallow-zone soils. The results also demonstrate that residual contaminant concentrations are protective of groundwater and the Columbia River.	D,H		Y,S		YES	NO
RSVP-2007-003		100-F	100-FR-2	2007 May	L.M. Dittmer	*Remaining Sites Verification Package for the 100-F-36, 108-F Biological Laboratory, and for the 116-F-15, 108-F Radiation Crib, Waste Site Reclassification Form 2007-003*	http://www.osti.gov/scitech/servlets/purl/944225	The 116-F-15 waste site is the former location of the 108-F Radiation Crib that was located in the first floor of the 108-F Biological Laboratory. In accordance with this evaluation, the verification sampling results support a reclassification of this site to Interim Closed Out. The current site conditions achieve the RAOs and the corresponding RAGs established in the Remaining Sites ROD (EPA/ROD/R10-99/039). The results of verification sampling show that residual contaminant concentrations do not preclude any future uses and allow for unrestricted use of shallow-zone soils. The results also demonstrate that residual contaminant concentrations are protective of groundwater and the Columbia River.	D,H		C,S		YES	NO
RSVP-2007-006	Rev. 0	100-F	100-FR-1	2008 Apr	J.M. Capron, WCH	*Remaining Sites Verification Package for the 100-F-44:2, Discovery Pipeline Near 108-F Building, Waste Site Reclassification Form 2007-006*	http://www.osti.gov/scitech/servlets/purl/944162	The sample results for the 100-F-44:2 subsite (Discovery Pipeline Near 108-F Building) demonstrate that the site achieves the RAOs and RAGs. These results show that residual soil concentrations support future land uses that can be represented (or bounded) by a rural residential scenario. The results also demonstrate that residual contaminant concentrations support unrestricted future use of shallow-zone soil (i.e., surface to 4.6 m [15 ft]) and that contaminant levels remaining in the soil are protective of groundwater and the Columbia River.	D,H,P		Y,S	A	NO	NO

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Document ID	Rev./ Draft/ Vol.	Area	Operable Unit/Other	Date	Authors/ Originator	Title	Link	Document Description	Back-ground Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
RSVP-2007-028		100-F	100-FR-1	2007 Dec	S.L. Charboneau, R.A. Lobos DOE-RL, EPA	*Waste Site Reclassification Form 100-FR-1 100-F-26:10*	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=DA06476628	The 100-F-26: 10, 1607-F3 Sanitary Sewer Pipeline subsite sample results demonstrate that the site achieves the RAOs and RAGs. These results show that residual soil concentrations support future land uses that can be represented by a rural residential scenario. The results also demonstrate that residual contaminant concentrations support unrestricted future use of shallow-zone soil and that contaminant levels remaining in the soil are protective of groundwater and the Columbia River. Site contamination did not extend into the deep-zone soils; therefore, institutional controls to prevent uncontrolled drilling or excavation into the deep zone are not required.	D,P	E	Y,X	A	NO	NO
RSVP-2007-029		100-F	100-FR-2	2007 Dec	L.M. Dittmer	*Remaining Sites Verification Package for the 100-F-26:14, 116-F-5 Influent Pipelines, Waste Site Reclassification Form 2007-029*	http://www.osti.gov/scitech/servlets/purl/944199	The 100-F-26:14 waste site includes underground pipelines associated with the 116-F-5 Ball Washer Crib and remnants of process pipelines on the west side of the 105-F Building. In accordance with this evaluation, the verification sampling results support a reclassification of this site to Interim Closed Out. The results of verification sampling show that residual contaminant concentrations do not preclude any future uses and allow for unrestricted use of shallow-zone soils. The results also demonstrate that residual contaminant concentrations are protective of groundwater and the Columbia River.	D,H		Y,S		YES	NO
RSVP-2007-031		100-F	100-FR-1	2008 Mar	WHC, DOE-RL	*Remaining Sites Verification Package for the 100-F-26:15 Miscellaneous Pipelines Associated with the 132-F-6, 1608-F Waste Water Pumping Station, Waste Site Reclassification Form 2007-031*	http://www.osti.gov/scitech/servlets/purl/944197	This report demonstrates that the 100-F-26: 15 Waste Site, Miscellaneous Pipelines Associated with the 132-F-6, 1608-F waste water pumping station, meets the objectives for interim closure. These results show that residual soil concentrations support future land uses that can be represented by a rural residential scenario. The results also demonstrate that residual contaminant concentrations support unrestricted future use of shallow-zone soil and contaminant levels remaining in the soil are protective of groundwater and the Columbia River. This site does not have a deep zone; therefore, no deep-zone institutional controls are required.	D,P	E	Y,X	A	NO	NO
RSVP-2007-034	Rev. 0	100-F	100-FR-1	2008 Feb	J.M. Capron, WCH	*Remaining Sites Verification Package for the 100-F-26:12, 1.8-m (72-in.) Main Process Sewer Pipeline, Attachment to Waste Site Reclassification Form 2007-034*	http://www.osti.gov/scitech/servlets/purl/944195	This remaining sites verification package documents evaluation of the confirmatory sampling results to support reclassification of the 100-F-26 waste site to Interim Action Closed. The site does not have a deep zone or residual contaminant concentrations that would require any institutional controls.	D,H,P	E	Y,S,X,P	A	NO	NO
RSVP-2008-015	Rev. 0	100-F	100-FR-1	2008 Apr	J.M. Capron, WCH	*Remaining Sites Verification Package for the 100-F-54 Animal Farm Pastures, Attachment to Waste Site Reclassification Form 2008-015*	http://www.osti.gov/scitech/servlets/purl/944166	This remaining sites verification package documents evaluation of the confirmatory sampling results to support reclassification of the 100-F-54 waste site to No Action.	D,H,P	E	Y,S	A	NO	NO
RSVP-2008-021		100-F	100-F	2008 Aug	J.M. Capron	*Remaining Sites Verification Package for the 100-F-46, 119-F Stack Sampling French Drain, Waste Site Reclassification Form 2008-021*	http://www.osti.gov/scitech/servlets/purl/944168	This remaining sites verification package documents evaluation of the confirmatory sampling results and supports a reclassification of this site to No Action. The current site conditions achieve the RAOs and the corresponding RAGs established in the Remaining Sites ROD (EPA/ROD/R10-99/039). The results of confirmatory sampling show that residual contaminant concentrations do not preclude any future uses and allow for unrestricted use of shallow-zone soils. The results also demonstrate that residual contaminant concentrations are protective of groundwater and the Columbia River.	D,H		Y,S		YES	NO

Table B1. Annotated Bibliography

Document ID	Rev./ Draft/ Vol.	Area	Operable Unit/Other	Date	Authors/ Originator	Title	Link	Document Description	Back-ground Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
RSVP-2008-022		100-F	100-FR-1	2008 Apr	J.M. Capron	*Remaining Sites Verification Package for the 100-F-52, 146-FR Radioecology and Aquatic Biology Laboratory Soil, Waste Site Reclassification Form 2008-022*	http://www.osti.gov/scitech/servlets/purl/944169	The 100-F-52 waste site consisted of the soil under and around the former 146-FR Radioecology and Aquatic Biology Laboratory. The laboratory was used for studies of the effects of pre-reactor and post-reactor process water on fish eggs, young fish, and other small river creatures of interest. In accordance with this evaluation, the confirmatory sampling results support a reclassification of this site to No Action. The current site conditions achieve the RAOs and the corresponding RAGs established in the Remaining Sites ROD (EPA/ROD/R10-99/039). The results of confirmatory sampling show that residual contaminant concentrations do not preclude any future uses and allow for unrestricted use of shallow-zone soils. The results also demonstrate that residual contaminant concentrations are protective of groundwater and the Columbia River.	D,H		C,S		YES	NO
RSVP-2008-028	Rev. 0	100-F	100-FR-2	2008 May	J.M. Capron, WCH	*Remaining Sites Verification Package for the 120-F-1 Glass Dump Waste Site, Waste Site Reclassification Form 2008-028*	http://www.osti.gov/scitech/servlets/purl/944170	This report demonstrates that the 120-F-1 Glass Dump waste site meets the objectives for Interim Closure. These results show that residual soil concentrations support future land uses that can be represented (or bounded) by a rural residential scenario. The results also demonstrate that residual contaminant concentrations support unrestricted future use of shallow-zone soil (i.e., surface to 4.6 m [15 ft]) and contaminant levels remaining in the soil are protective of groundwater and the Columbia River.	D,H,P		Y,S	A	YES	NO
RSVP-2008-030		100-F	100-FR-1	2008 Jun	J.M. Capron	*Remaining Sites Verification Package for the 100-F-44:4, Discovery Pipeline in Silica Gel Pit, Waste Site Reclassification Form 2008-030*	http://www.osti.gov/scitech/servlets/purl/944171	The 100-F-44:4, Discovery Pipeline in Silica Gel Pit subsite is located in the 100-FR-1 OU of the Hanford Site, near the location of the former 110-F Gas Storage Tanks structure. The 100-F-44:4 subsite is a steel pipe discovered October 17, 2004, during trenching to locate the 118-F-4 Silica Gel Pit. Based on visual inspection and confirmatory investigation sampling data, the 100-F-44:4 subsite is a piece of non-hazardous electrical conduit debris. The 100-F-44:4 subsite supports unrestricted future use of shallow-zone soil and is protective of groundwater and the Columbia River. No residual contamination exists within the deep zone. Therefore, no deep-zone institutional controls are required.	D		S		YES	NO
RSVP-2008-031	Rev. 0	100-F	100-FR-1	2008 Jun	J.M. Capron, WCH	*Remaining Sites Verification Package for the 128-F-2, 100-F Burning Pit Waste Site, Waste Site Reclassification Form 2008-031*	http://www.osti.gov/scitech/servlets/purl/944172	This report demonstrates that the 128-F-2 waste site, the 100-F Burning Pit, meets the objectives for interim closure. These results show that residual soil concentrations support future land uses that can be represented (or bounded) by a rural residential scenario. The results also demonstrate that residual contaminant concentrations support unrestricted future use of shallow zone soil (i.e., surface to 4.6 m [15 ft]) and contaminant levels remaining in the soil are protective of groundwater and the Columbia River.	D,H,P		Y,S	A	YES	NO
RSVP-2008-045		100 Area	100-IU-6	2008 Oct	J.M. Capron	*Remaining Sites Verification Package for the 600-111, P-11 Critical Mass Laboratory Crib, and UPR-600-16, Fire and Contamination Spread Waste Sites, Waste Site Reclassification Form 2008-045*	http://pdw.hanford.gov/arpir/pdf.cfm?accession=0812030146	This document supports Waste Site Reclassification Form 2004-065 and is a description of sampling and verification activities of the URP-600-16 waste site. The confirmatory evaluation involved (l) assessing the site using available historical information, (2) performing an extensive radiological survey of the entire surface soil at the site to verify that cleanup goals have been achieved, (3) evaluating confirmatory and verification samples collected for the 600-111 waste site, and (4) proposing the site for reclassification as Interim Closed Out.	D,H,P	T	Y,S,X		YES	NO
SD-EN-AP-089	Rev. 2	100-F	100-FR-3	1992 Jul	J.W. Roberts	*Description of Work for 100-FR-3 Groundwater OU*	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=D196105541	Details the field activities to be conducted for the 100-FR-3 OU and will serve as a field guide for those performing the work.	D,P	G,Z,T		A	No	No

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Document ID	Rev./ Draft/ Vol.	Area	Operable Unit/Other	Date	Authors/ Originator	Title	Link	Document Description	Back-ground Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
SD-EN-AP-094	Rev. 1	100-F	100-FR-1	1992 Jun	M.T. Stankovich	*Source Investigation Field Activities for 100-FR-1 OU Description of Work*	http://pdw.hanford.gov/arpir/pdf.cfm?accession=D196103560	This activity plan details the field activities associated with the nonintrusive source sampling in the 100-F Area of the Hanford Site and will serve as a field guide for those performing the work. This description of work describes specific LFI activities and sampling locations in accordance with discussions at the June 27, 1991, 100 Area work plan rescoping meeting.	D,H,P		Y	A	YES	NO
SD-EN-AP-097	Rev. 2	100 Area	100 Area	1992 Oct	F.W. Gustafson	*Description of Work for 100 AREA Columbia River Sediment Sampling*	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=D196113638	Details the Columbia River sediment investigation field activities associated with the 100 Area OUs remedial investigations. This description of work will serve as a field guide for those performing the work. It should be used in conjunction with the RI/FS work plan for the 100 Area OUs for general investigation strategy and with the *Environmental Investigations and Site Characterization Manual* (WHC-CM-7-7) for specific procedures.	D	T			No	No
SD-EN-RA-012	Rev. 0	100-F	100-Fr-3	1994 Apr	S.E. Vukelich	*Qualitative Risk Assessment for 100-FR-3 Groundwater OU*	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=D196084470	This report provides the QRA for the 100-FR-3 Groundwater OU. The extent of the groundwater beneath the 100-F Area is defined in DOE/RL-91-53, *Remedial Investigation/Feasibility Study Work Plan for the 100-FR-3 Operable Unit, Hanford Site, Richland, Washington*. This QRA is an evaluation of risk using a limited amount of data and a predefined set of human and environmental exposure scenarios, and is not intended to replace or be a substitute for a baseline risk assessment.	D,H,P	G,Z,E,T	Y,S	A	Yes	No
SD-EN-SAD-002	Rev. 0	100 Area	100 Area	1991 Sept	W.E. Taylor	*100 Area Low Hazard Characterization Activities Safety Assessment*	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=D196078231	Safety assessment prepared to document the analysis of hazards leading to the conclusion that the activity does not present an unacceptable hazard to the facility worker, the onsite person 100 m (328 ft) from the activity and the nearest resident. The activities described include well drilling, borehole drilling, and backhoe (or similar equipment) excavation of small-contaminant-inventory waste sites in the 100 Area.	D,H,P	G,Z,T	Y,S,X	A	Yes	No
SD-EN-TC-004	Rev. 0	100 Area	100 Area	1993 Sept	D. Blumenkranz, J. Frain	*100 Area Excavation Treatability Test Procedures*	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=D196114513	Describes the procedures required for the successful implementation of the 100 Area Excavation Treatability Test. This test has been outlined in the 100 Area Excavation Treatability Test Plan (DOE-RL-93-04). The test plan has been reviewed by DOE, EPA, Ecology, and the public.	D,H,P	G,T	Y,S,P	A,M	Yes	Yes
SD-EN-TI-006	Rev. 0	100 Area	100 Area	1992 Mar	R.E. Peterson	*Hydrologic and Geologic Data Available for Region North of Gable Mountain*	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=D196090833	Includes 100-F Data: Chemical and Radiological Data, Water Level Data, 100-F Geologic Data Inventory, Well Location Map for 100-F Reactor Area, and Well Location Map for the 600 Area.	D,H,P	G,Z		A	No	No
SD-EN-TI-011		100 Area	100 Area	1992 Mar	K.A. Lindsey	*Geology of Northern Part of Hanford Site Outline of Data Sources and Geologic Setting of 100 Areas*	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=D196090817	Outlines the types of geologic data for the Hanford Site north of the Gable Mountain anticline. Preliminary geologic interpretations are presented, along with a brief discussion of regional geology.	D,H	G	Y	A	No	No
SD-EN-TI-204	Rev. 0	100 Area	100 Area	1994 Sept	K.A. Bergstrom	*Ground Penetrating Radar Investigation Conducted in 100 Areas Hanford Sites FY 1992*	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=D196061851	During FY 1992, the Geophysics Group conducted 45 GPR surveys in the 100 Areas. Objectives for the investigations varied, from locating cribs, trenches, and septic systems to helping site boreholes. The results of each investigation were delivered to clients in the form of a map that summarized the interpretation of a given site. No formal reports were prepared. The purpose of this document is to show where and why each of the surveys was conducted. The data and interpretation of each survey are available by contacting the Westinghous Hanford Corporation Geophysics Group. A map showing the location and basic parameters of each survey can be found in the appendices of this report.	D,P	G,T			No	No
SD-EN-TI-216	Rev. 0	100 Area 200 Area	100 Area 200 Area	1994 Jan	J.A. Stegen	*Vegetation Communities Associated with 100 Area and 200 Area Facilities on Hanford Site*	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=D196101081	Contains maps and tables pertaining to the vegetation communities associated with the 100-F Area.		T			No	No

Table B1. Annotated Bibliography

Document ID	Rev./ Draft/ Vol.	Area	Operable Unit/Other	Date	Authors/ Originator	Title	Link	Document Description	Back-ground Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
SD-EN-TI-221		100-F	100-Fr-3	1994 Jan	R.F. Raidl	*Geology of 100-FR-3 OU Hanford Site South Central Washington*	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=D196098540	Describes the geology of the 100-FR-3 OU. Geologic data were acquired while drilling wells in 1992 and 1993, and from a review of logs of older groundwater wells located in the 100-FR-3 area.	D,H	G,T	Y	A	No	No
SD-EN-TI-278		Hanford Site	Hanford Site	1994 Jul	P.J. Valcich	*Columbia River Effluent Pipeline Survey*	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=D196074913	Presents the results of a comprehensive marine geophysical survey conducted in the Columbia River near the Hanford Site. It maps the locations and depths of 14 effluent pipelines that extend into the Columbia River.	D,H	G,Z,T	Y,S	A	No	Yes
TPA-CN-228		100-F	100-Fr-3	2008 Jul	B.L. Charboneau, R.A. Lobos	*Change Notice for Modifying Approved Documents/Workplans in Accordance with Tri-Party Agreement Action Plan Section 9.0 Documentation and Records 100-FR-3 OU Sampling and Analysis Plan DOE/RL-2003-49 Rev 1 and Waste Control Plan for 100-FR-3 OU DOE/RL-2004-31*	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=0808010161	An additional well 199-F8-7 (C6834) is being constructed to determine the quality of groundwater adjacent to the I 18-F-6 Burial Ground. The location of the well was determined by using the coordinates of the sample collected at the bottom of the trench that yielded strontium-90 concentrations of over 300 pCi/L and determining direction of groundwater flow at the high and low river stages. The well was sited outside the burial ground and bisecting the high and low river flow directions. The well will be drilled to determine the thickness of the unconfined aquifer.	D,P	G,Z,T			No	No
TPA-CN-329	Rev. 1	100-F	100-Fr-3	2010 Mar	B.L. Charboneau	TPA Change Notice Form Waste Control Plan for the 100-FR-3 Operable Unit DOE/RL-2004-31, Rev. 1	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=0084687	Appendix 3, 100-FR-3 OU Groundwater Well List on page 8 of the WCP for the 100-FR-3 OU is being updated to include three new wells.	D				No	No
TPA-CN-345	Rev. 0	618-10 618-11	IU-2, IU-6	2010 Apr	C. Smith, L. Gadbois	Change Notice for Modifying Approved Documents/Work Plans in Accordance with the Tri-Party Agreement Action Plan Section 9.0 Documentation and Records DOE/RL-2008-27 Rev 0 Sampling and Analysis Plan for 618-10 and 618-11 Nonintrusive Sampling	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=1004190827	An additional radiological detector is being added for use. Clarifications to the use of a gamma probe are being made and text regarding a software function that does not exist is being deleted. A clarification that allows flexibility in sampling equipment is also being made.	D,P			A	No	No
TPA-CN-361	Rev. 1	100-F	100-FR-3	2010 Jun	B.L. Charboneau U, C. Guzzetti	TPA Change Notice Form Waste Control Plan for the 100-FR-3 Operable Unit DOE/RL-2004-31 Rev 1	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=0084364	Appendix 3, 100-FR-3 OU Groundwater Well List on page 8 of the WCP for the 100-FR-3 OU is being updated to include three new RI/FS boreholes.	D				No	No
TPA-CN-379	Rev. 1	100-F	100-FR-3	2010 Aug	B.L. Charboneau	TPA Change Notice Form Waste Control Plan for the 100-FR-3 Operable Unit DOE/RL-2004-31 Rev 1	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=1009162379	Document contains well names for 100-FR-3 OU.	D				No	No
TPA-CN-391	REV. 0	100-F	100-FR-1 100-FR-2 100-FR-3 100-IU-2 100-IU-6	2010 Nov	B.L. Charboneau DOE-RL	TPA Change Notice Form Sampling and Analysis Plan for the 100-FR-1, 100-FR-2, 100-FR-3, 100-IU-2, and 100-IU-6 Operable Units Remedial Investigation Feasibility Study DOE/RL-2009-43 Rev 0	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=1012090501	Change allows for pore water sampling at 20 locations within the Columbia River for the RI at 100-F. The sample locations are noted. Samples will be analyzed for hexavalent chromium and total chromium. Both filtered and unfiltered samples will be collected in accordance with Appendix B and the methodologies identified in the following sections of DOE/RL-2009-43, *Sampling and Analysis Plan for the 100-FR-1, 100-FR-2, 100-FR-3, 100-IU-2, and 100-IU-6 Operable Units Remedial Investigation/Feasibility Study*: 3.6 Sampling Methods, 3.7 Sample Handling, 3.8 Management of Waste.	D	Z	Y		NO	NO

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Document ID	Rev./ Draft/ Vol.	Area	Operable Unit/Other	Date	Authors/ Originator	Title	Link	Document Description	Back-ground Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
TPA-CN-400	Appendix C	100-F	100-FR-3	2010 Nov	B.L. Charboneau DOE-RL	TPA Change Notice Form Sampling and Analysis Plan for the 100-FR-1, 100-FR-2, and 100-IU-6 Operable Units Remedial Investigation Feasibility Study DOE/RL-2009-43 Rev 0	http://pdw.hanford.gov/arpir/pdf.cfm?accession=1101200856	This change adds new Appendix C, Groundwater Sampling at the 600-127 Excavation, to SAP (DOE/RL-2009-43). Appendix C provides for collection of one groundwater sample from each of five temporary aquifer tubes installed at the bottom of the 600-127 waste site excavation. This includes revision of Section 1.0 of the SAP to introduce new Appendix C and to introduce Appendix B added under TPA-CN-391.	D	Z	Y		NO	NO
TPA-CN-410		100-F	100-FR-3	2010 Nov	B.L. Charboneau	TPA Change Notice Form Waste Control Plan for the 100-FR-3 Operable Unit DOE/RL-2004-31 Rev 1	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=1012090500	Updates WCP to include specific waste stream instructions for pore water and river water sampling. The general content or verbiage included in this TPA change has already been approved in another WCP (WCP-2008-0001, Rev. 1) for pore water sampling conducted under DOE/RL-2008-11, *Remedial Investigation Work Plan for Hanford Site Releases to the Columbia River*.	D,P	G,Z	X	A	No	No
TRAC-0728		100-F	100-FR-1	1998 May	DOE-RL	*Engineering Evaluation/ Cost Analysis for the 105-DR and 105-F Reactor Facilities and Ancillary Facilities*	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=D198097718	This engineering evaluation/cost analysis (EE/CA) describes the 100-D and 100-F Areas and discusses the specific reactor portions and ancillary facilities to be dispositioned. Site conditions and the sources and extent of contamination are presented to provide a framework for the discussion of removal action objectives and alternatives.	D,H,P	G,Z,T	Y,S	A,M	Yes	Yes
UNI-1001		100-F	100-F	1978 Mar	Planning Division	*Production Reactor Decommissioning Study 100-F Site and Facilities Description*	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=D196071177	Presents a brief description of the 100-F Area site as well as the contaminated and potentially contaminated facilities that remain in the area. These facilities are included in the demonstration project beginning in FY 1979 to decommission the 100-F production reactor site.	D,H,P		Y,S		NO	NO
UNI-1003-VOL2		100-F	100-F	1979 Mar	A.K. Koochi, Staff	*100-F Area Activities Description*	https://www.osti.gov/opennet/detail.jsp?osti_id=16474192&query_id=0	Activity description presents general procedures to be used to decontaminate and decommission the support and research facilities. The mode of decommissioning selected is complete dismantlement of the facilities.	D,H	T	Y	A	No	NO
UNI-3714		Hanford Site	Hanford Site	1987 Apr	J.M. Steffes, R.L. Miller	*Radionuclide Inventory and Source Terms for Surplus Production Reactors at Hanford*	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=D196008078	Includes radionuclide inventories for eight surplus production reactors at Hanford. It combines data from past characterization efforts and introduces adjustments for added information and refinement.	D	G	Y,S	A	No	No
WASH-1538	VOL 1	Hanford Site	Hanford Site	1974 Sept	Atomic Energy Commission	*Environmental Statement Waste Management Operations Hanford Reservation Richland, Washington*, Volume 1	http://www.osti.gov/scitech/servlets/purl/4276131	Statement to reassess the environmental impact of the Hanford Waste Management Operations program in order to assure that further major actions minimize adverse environmental consequences and to account for those environmental consequences that may not have been fully evaluated at the outset or at each stage of the waste management program. The statement will serve as a base for evaluating the environmental impact of future actions in relation to the existing environment at Hanford.	D,H,P	G,Z,C,E,T	Y,S,X,P	A,M	YES	YES
WCH-00024	Rev. 0	Hanford Site	Hanford Site	2005 Sept	A.L. Johnson, WCH	*2005 River Corridor Cleanup Contractor Revegetation Monitoring Report*	http://www.osti.gov/scitech/servlets/purl/973103	Contains a compilation of the results of vegetation monitoring data that were collected in the spring and summer of 2005 for the Environmental Restoration Contractor's revegetation and mitigation areas on the Hanford Site. The monitored sites include the following: 600-23 and J. A. Jones sites, the 300-FF-1 process ponds and burial grounds, the 100-D/DR, the 120-N sites, the 1 16-N-3 Trench, 100-FR-1 sites, and ERDF Cells 1 and 2 mitigation plantings on the Arid Lands Ecology Reserve.	D,H	E			NO	NO
WCH-091		100-F	100-Fr-3	2006 Aug	C.S. Cearlock	*Columbia River Component Data Evaluation Summary Report*	http://www.osti.gov/scitech/servlets/purl/972721	The purpose of the Columbia River Component Data Compilation and Evaluation task was to compile, review, and evaluate existing information for constituents that may have been released to the Columbia River due to Hanford Site operations. Through this effort an extensive compilation of information pertaining to Hanford Site-related contaminants released to the Columbia River has been completed for almost 965 km (599 mi) of the river.	D,H,P	G,H,T	Y,S,X,P	A	Yes	No

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Document ID	Rev./ Draft/ Vol.	Area	Operable Unit/Other	Date	Authors/ Originator	Title	Link	Document Description	Back-ground Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
WCH-133	Rev. 0	100-F	100-Fr-1; 100-Fr-2	2006 Oct	A.L. Johnson; K.A. Gano	*2006 River Corridor Closure Contractor Revegetation and Mitigation Monitoring Report*	http://www.osti.gov/scitech/servlets/purl/973110	Documents the results of revegetation and mitigation monitoring conducted in 2006 and includes 11 revegetation/restoration projects, 1 revegetation/mitigation project, and 2 bat habitat mitigation projects.	D,H	E,T		A	No	No
WCH-139	Rev. 0	Hanford Site	Hanford Site	2006 Nov	J.M. Queen; S.G. Weiss	*100 Area and 300 Area Component of the River Corridor Baseline Risk Assessment Spring 2006 Data Compilation*	http://www.osti.gov/scitech/servlets/purl/973111	Describes the sampling approaches and modifications made to the 100 Area and 300 Area component of the RCBRA Sampling and Analysis Plan, summarizes validation efforts and provides sample identification numbers.	D,H	E,T	Y,S	A	Yes	No
WCH-223	Rev. 0	Hanford Site	Hanford Site	2007 Sept	C.T. Lindsey, K.A. Gano, WCH	*2007 River Corridor Closure Contractor Revegetation and Mitigation Monitoring Report*	http://www.osti.gov/scitech/servlets/purl/944089	Documents the status of revegetation projects and natural resources mitigation efforts that have been conducted for remediated waste sites and other activities associated with CERCLA cleanup of NPL waste sites at Hanford. One of the objectives of restoration is the revegetation of remediated waste sites to stabilize the soil and restore the land to native vegetation. In addition, mitigation measures are taken to reduce impacts from the cleanup activities. This report documents the results of revegetation and mitigation monitoring conducted in 2007 and includes 11 revegetation/restoration projects, 1 revegetation/mitigation project, and 3 bat habitat mitigation projects.	D,H	E			NO	NO
WCH-288	Rev. 0	Hanford Site	Hanford Site	2008 Sept	C.T. Lindsey, K.A. Gano, WCH	*2008 River Corridor Closure Contractor Revegetation and Mitigation Monitoring Report*	http://www.osti.gov/scitech/servlets/purl/973161	Documents the status of revegetation projects and natural resources mitigation efforts that have been conducted for remediated waste sites and other activities associated with CERCLA cleanup of NPL waste sites at Hanford. One of the objectives of restoration is the revegetation of remediated waste sites to stabilize the soil and restore the land to a native vegetation community. In addition, mitigation measures are taken to reduce impacts from the cleanup activities. This report documents the results of revegetation and mitigation monitoring conducted in 2008 and includes 22 revegetation/restoration projects, 1 revegetation/mitigation project, and 2 bat habitat mitigation projects.	D,H	E			NO	NO
WCH-29	Rev. 0	Hanford Site	Hanford Site	2006 Jan	T.E. Marceau, B.L. Tiller, WCH	*Radionuclides, Trace Metals, and Organic Compounds in Shells of Native Freshwater Mussels Along the Hanford Reach of the Columbia River: 6000 Years Before Present to Current Times*	http://www.osti.gov/scitech/servlets/purl/973105	Documents concentrations of radionuclides, trace metals, and semivolatile organic compounds measured in shell samples of the western pearl shell mussel (*Margarifinopsis falcafa*) collected along the Hanford Reach of the Columbia River.	D,H,P	E	Y,S	A	NO	NO
WCH-312	Rev. 0	100-F	100-F	2009 Jan	K.A. Gano, J.G. Lucas, C.T. Lindsey, WCH	*Identification and Protection of a Bat Colony in the 183-F Clearwell: Mitigation of Bat Habitat on the Hanford Site*	http://www.osti.gov/scitech/servlets/purl/945221	An ecological study was begun at the 183-F Clearwells (west intact; east demolished in the 1980s; and collectively identified as the 126-F-2 waste site) to identify strategies that would be necessary to eliminate or mitigate impacts to this bat colony caused by demolition. Beginning in June 2007, and continuing through September 2008, bats at the 183-F Clearwell, along with the roost site at the 190-DR process water tunnels for comparison, were studied to identify the species present, their relative abundances, and how the 183-F Clearwell structure is being used by the bats. The study showed that the bats present at 183-F Clearwell are Yuma myotis (*Myotis yumanensis*) and that they use many portions of the complex facility at different times of the year.	H,P	E		A	NO	NO

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Document ID	Rev./ Draft/ Vol.	Area	Operable Unit/Other	Date	Authors/ Originator	Title	Link	Document Description	Back-ground Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
WCH-362	Rev. 0	100-F; River Corridor	100-Fr-1	2009 Sept	C.T. Lindsey; K.A. Gano; R.D. Teel	*2009 River Corridor Closure Contractor Revegetation and Mitigation Monitoring Report*	http://www.osti.gov/scitech/servlets/purl/973170	Details the results of revegetation and mitigation monitoring conducted in 2009, including 25 revegetation/restoration projects, 1 revegetation/mitigation project, and 3 bat habitat mitigation projects.	D,H	C,E	N/A	A	NO	NO
WHC-EP-0216		100 Areas	100 Areas	1989 Feb	WHC	*Preliminary Operable Units Designation Project*	http://pdw.hanford.gov/arpir/pdf.cfm?accession=d195060570	The Preliminary OUs Designation Project organizes the radioactive, hazardous chemical, and mixed waste management units and the resulting groundwater contamination plumes at the Hanford Site near the city of Richland, Washington, into groups that, because of complementary characteristics, would be amenable to combined characterization and/or remediation. These groups are referred to as OUs. Currently, 78 OUs have been designated and include the over 1,500 waste management units and 4 groundwater contamination plumes identified on the DOE Hanford Site. The designation of OUs included all individual waste management units identified by WIDS as of February 28, 1989.	D,H,P	G,Z	Y,S,P	A	NO	NO
WHC-EP-0258-2		100 Area	100 Area	1992 May	C.J. Perkins	WHC Environmental Surveillance Annual Report 100 Area	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=D196100478	Results of the near-field environmental surveillance program for the Hanford Site 100 Areas (performed by WHC) are presented in this report. The environmental surveillance program provides sampling and monitoring of several parameters to evaluate the environmental impact of 100-N Area Reactor Facilities and the shutdown reactor facilities and burial grounds in the retired 100 Areas. Discharges to the environment are reported in annual effluent release reports. Included in this report: Radionuclide Concentrations (pCi/g, dry weight) Detected in 100-F Area Vegetation Samples, Figure 4-4. Soil and Vegetation Sampling Locations at 100-F Area.	D,H	G			No	No
WHC-EP-0394-6		Hanford Site	Hanford Site	1993 Sept	G.L. Kasza, M.J. Hartman, F.N. Hodges, K.R. Simpson, D.C. Weekes	*Groundwater Maps of the Hanford Site, December 1992*	http://www.osti.gov/scitech/servlets/purl/10192923	*Groundwater Maps of the Hanford Site, December 1992*, is the semiannual update of the series of reports that document the configuration of the uppermost unconfined aquifer beneath the Hanford Site. This series is based on water level measurements collected from Site groundwater monitoring wells each June and December.	D	Z,T			No	No
WHC-EP-0513		100-F	100-Fr-1; 100-Fr-2	1994 Jun	R.E. Fitzner, S.G. Weiss, J.A. Stegen	*Threatened and Endangered Wildlife Species of the Hanford Site Related to CERCLA Characterization Activities*	http://www.osti.gov/scitech/servlets/purl/10167540	This report documents the biological assessment and describes the pertinent components of the Hanford Site, as well as the planned characterization activities. Also provided are accounts of endangered, threatened, and federal candidate wildlife species on the Hanford Site and information as to how human disturbances can affect these species. Potential effects of the characterization activities are described with recommendations for mitigation measures.	D,H	G,Z,C,E	Y		No	No
WHC-EP-0609		100 Area	100 Area	1992 Dec	R.E. Peterson, V.G. Johnson	*Riverbank Seepage of Groundwater Along 100 Area Shoreline*	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=D196124079	Discusses riverbank seepage water quality data, compares seepage water quality to wells located along the shoreline, and describes selected chemical and radiological characteristics of sediments associated with riverbank seepage. This summary of results compares them with historical data on seepage and groundwater wells.	D,H	G,Z	Y,S	A,M	Yes	Yes
WHC-MR-0274		100-F	100-Fr-1 100-Fr-3 100-Iu-2	1991 Aug	DOE-RL	*Engineering Support Package for Hanford Environmental Restoration EIS*	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=D196071261	Provides engineering support data necessary for preparation of the *Hanford Environmental Restoration-Environmental impact Statement* (ER-EIS) by an external organization. The ER-EIS is required by the Tri-Party Agreement, and discusses disposal of wastes at the Hanford Site that have not been addressed by previous environmental impact statements. This report includes data for OUs and waste sites in the 100 Area and data for unplanned release waste units in the 600 Area.	D				No	No

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Document ID	Rev./ Draft/ Vol.	Area	Operable Unit/Other	Date	Authors/ Originator	Title	Link	Document Description	Back-ground Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
WHC-MR-0293	REV. 2	Hanford Site	Hanford Site	1992 Sept	M.S. Gerber	*Legend and Legacy: Fifty Years of Defense Production at the Hanford Site*	http://www.osti.gov/scitech/servlets/purl/10144167	Compiles 11 articles written by Michele S. Gerber, Ph.D., originally published in the *Hanford Reach*. It is meant to be a study of Hanford Site's history and the significance of said history.	D,P				NO	NO
WHC-SA-1447-S		100 Area	100 Area	1996 Jul	DOE-RL	*100 Area Excavation Treatability Study Report*	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=D196154129	Details the activities conducted in support of the 100 Area excavation treatability study conducted from September 1993 through November 1993 at the 100-F Area.	D,H	G,T	Y	A,M	No	No
WHC-SA-2059-FP; CONF-931095-27		100-F; 100-D; 100-B/C	100-F; 100-D; 100-B/C	1993 Sept	J.G. Field, R.D. Belden, R.J. Serne, S.V. Mattigod, H.D. Freeman, R.W. Scheck, E.D. Goller	*100 Area Hanford Soil Washing Treatability Tests*	http://www.osti.gov/scitech/servlets/purl/10190693	Soil washing laboratory tests performed at Hanford in support of 100 Area CERCLA FSs; includes characterization of soils, physical separation, chemical extraction, and water treatment.	D,H,P	E	Y	A	No	Yes
WHC-SA-3090-FP		100 Area	100 Area	1996 Apr	M.S. Gerber	*The Wahluke (North) Slope of the Hanford Site: History and Present Challenges*	http://www.osti.gov/scitech/servlets/purl/362573	After the Hanford Site plutonium production mission has ended and as Site cleanup goes forward, the possibility of total release of Wahluke Slope lands from the control of DOE is under discussion. Such discussion encompasses not just objective and clearly visible criteria, but it resurrects historical debates about the roles of farming and government presence in the Columbia Basin.	D,H,P		Y,S,X		NO	NO
WHC-SD-EN-EE-015		Hanford Site	Hanford Site	1995 Sept	K.S. Tollefson.	*Hanford Site Storm Water Comprehensive Site Compliance Evaluation Report For the Reporting Period July 1, 1994 through June 30, 1995*	http://www.osti.gov/scitech/servlets/purl/451149	This document is the second annual submittal by WHC, ICF Kaiser Hanford, PNL, and BHI and contains the results of inspections of the storm water outfalls listed in the *Hanford Site Storm Water Pollution Prevention Plan* (WHC-SE-EN-EV-021) as required by General Permit No. WA-R-00-000F (WA-R-00-A17F). This report also describes the methods used to conduct the Storm Water Comprehensive Site Compliance Evaluation, as required in Part IV, Section D.	D	T	S	A	Yes	Yes
WHC-SD-EN-EV-021	Rev. 1	Hanford Site	Hanford Site	1997 Jan	N.M. Menard	*Hanford Site Stormwater Pollution Prevention Plan*	http://www.osti.gov/scitech/servlets/purl/325655	This engineering change notice is to replace and update the *Hanford Site Stormwater Pollution Prevention Plan* as required by National Pollution Discharge Elimination System Permit No. WA-R-10-000F.	D,H	G,Z,T	Y,S	A	No	No
WHC-SD-EN-TI-247		100-F	100-F	1994 Sept	T.H. Mitchell	*Geophysical Investigations in the 100 Areas: Fiscal Year 1991 through December 1993*	http://www.osti.gov/scitech/servlets/purl/10190047	Provides a general map location and the associated document number for investigations that have been conducted as of December 1993. The results of the individual investigations are not included here. The investigations conducted during FY 1992 are summarized in WHC-SD-EN-TI-204, *Ground-Penetrating Radar Investigations Conducted in the 100 Areas, Hanford Site: Fiscal Year 1992*. A brief summary of some of the successful applications of geophysics in the 100 Areas is included.	D	T			No	No
WHC-SD-EN-TI-268	Rev. 0	100 Area	100 Area	1994 Jun	J.G. Field	*100 Area Soil Washing Bench Scale Tests*	http://pdw.hanford.gov/arpir/index.cfm/viewDoc?accession=D196076370	PNL conducted a bench-scale treatability study on a plutonium crib soil sample from the 100 Area. The objective of this study was to evaluate the use of physical separation (wet sieving), treatment processes (attrition scrubbing and autogenous surface grinding), and chemical extraction methods as a means of separating radioactively contaminated soil fractions. The soil washing treatability study was conducted on a soil sample from the 116-F-4 Pluto Crib that had been dug up as part of an excavation treatability study.	D,P	G,Z,T	Y,S,X	A	Yes	Yes
WHC-SD-ENV-EE-001		100-F	100-F	1996 Aug	C.J. Perkins, WHC	*Hanford Site Storm Water Comprehensive Site Compliance Evaluation Report For the Reporting Period July 1, 1995 through June 30, 1996*	http://www.osti.gov/scitech/servlets/purl/662014	Contains the results of inspections of the storm water outfalls listed in WHC-SD-EN-EV-021, Rev. 1, *Hanford Site Storm Water Pollution Prevention Plan*.	D	G,H	S		No	No

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Document ID	Rev./ Draft/ Vol.	Area	Operable Unit/Other	Date	Authors/ Originator	Title	Link	Document Description	Back-ground Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
WHC-SP-0665-20	Quarterly Report	100-F	126-F-1	1996 Apr	S.M. Mckinney; B.M. Markes	*Quarterly Environmental Radiological Survey Summary First Quarter 1996 100, 200, 300, and 600 Areas*	http://www.osti.gov/scitech/servlets/purl/10148876	Provides a summary of the radiological surveys performed in support of the operational environmental monitoring program at the Hanford Site.	D	T	Y	A	No	No
WHC-SP-0665-8		100-F	100-F	1993 Apr	S.M. Mckinney	*Quarterly Environmental Radiological Survey Summary First Quarter 1993 100, 200, 300, and 600 Areas*	http://www.osti.gov/scitech/servlets/purl/10102247	Provides a summary of the radiological surveys performed on waste sites during the first quarter of 1993. The status of corrective action required from current and past reports is also discussed.	D	T	Y		No	No
WHC-SP-0849		100-F	100-F	1995 Feb	J.M. Rodriguez	*Vegetation Management 1994 Fiscal Year End Report*	http://www.osti.gov/scitech/servlets/purl/39150	This year-end report evaluates vegetation management operations on the Hanford Site conducted during FY 1994 and proposed control methods to be used in FY 1995 and following years. The 1995 control methods proposed are based on an evaluation of past and current as low as reasonably achievable principles, employee safety, environmental impacts, applicable regulations, site aesthetics, and other site-specific factors.	D	E,T		A	No	No
WHC-SP-0903	Rev. 2	100-F	100-F	1995 Sept	S.R. Tifft.	*NEPA Source Guide for the Hanford Site*	http://www.osti.gov/scitech/servlets/purl/187258	Summarizes relevant environmental assessments and environmental impact statements by briefly outlining the proposed action of each and the decision made by DOE or its predecessor agencies, the U.S. Atomic Energy Commission, and the U.S. Energy Research and Development Administration, concerning the proposed action and current status of the buildings and units discussed in the proposed action.	D,H		Y,S		No	No

Notes:
The acronyms/terms used in this table are defined in the table itself.
A = analysis
C = climate
D = description
E = Ecology
G = geology
H = history
M = modeling
P = process
S = source
T = topography
X = release
Y = COPC
Z = hydrology