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# Appendix B

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## Annotated Bibliography

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Table B1. Annotated Bibliography

Document #	REV./Draft/Vol.	Area	Operable Unit	Date	Authors/ Originator	Title	Link	Summary	Background Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
TPA-CN-400	Appendix C	100-F	100-FR-3	2010 NOV	BL CHARBONEAU DOE-RL	Tri Party Agreement 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	<a href="http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0064/1101200856/11012008561.PDF">http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0064/1101200856/11012008561.PDF</a>	This change adds new Appendix C, Groundwater Sampling at the 600-12 7 Excavation, to Sampling and Analysis Plan (SAP) DOE/RL-2009-43, Rev. 0. 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-39-1.	D	Z	Y		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	BL CHARBONEAU DOE-RL	Tri-Party Agreement 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	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=1012090501">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=1012090501</a>	This change allows for pore water sampling at 20 locations within the Columbia River for the Remedial Investigation at 100-F. The sample locations are noted.	D	Y	Y		NO	NO
10-AMRC-0176	REV. 0	100-F	100-IU-2 100-IU-6	2010 SEPT	MS FRENCH DOE-ORP	Transmittal of the 100-F/IU-2/IU-6 Area Segment 2 Orphan Sites Evaluation Report OSR-2010-0001, Revision 0	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=1011050051">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=1011050051</a>	The purpose of the orphan sites evaluation 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. This report summarizes the approach used and results obtained from the orphan sites evaluations of the 100-F/IU-2/IU-6 Area - Segment 2. The evaluations were conducted between March 2009 and January 2010.	D,H,P	G,T		M	NO	NO
RSVP-2008-045	REV. 0	100-F; 600 Area	100-F; 600 Area	2009 OCT	J. M. Capron, WCH	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	<a href="http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=5&amp;osti_id=944190&amp;Row=6">http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=5&amp;osti_id=944190&amp;Row=6</a>	This evaluation confirms sampling results to support a reclassification of this site to Interim Closed Out. The current site conditions achieve the remedial action objectives and the corresponding remedial action goals established in the Remedial Design Report/Remedial Action Work Plan for the 100 Area (DOE-RL 2005b) and the Interim Action Record of Decision for 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 Operable Units, Hanford Site, Benton County, Washington (EPA 1999). The 600-111 and UPR-600-16 waste sites are located approximately 4.8 km (3 mi) south-southeast of the 100-F Area and 0.5 km (0.3 mi) west of Route 2 North.	D,H,P	G,T	Y,S,X	A	Yes	Yes

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Document #	REV./Draft/Vol.	Area	Operable Unit	Date	Authors/ Originator	Title	Link	Summary	Background Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
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	<a href="http://www.osti.gov/bridge/purl.cover.jsp?url=/6002021-GBUwHa/">http://www.osti.gov/bridge/purl.cover.jsp?url=/6002021-GBUwHa/</a>	An aerial radiological survey was conducted over the Department of Energy's Hanford Site near Richland, Washington, during the period 5 July through 26 August 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
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	<a href="http://www.osti.gov/bridge/purl.cover.jsp?url=/722291-9TqP19/">http://www.osti.gov/bridge/purl.cover.jsp?url=/722291-9TqP19/</a>	This report contains the following : compliance reviews; conditions of historic properties; known cultural resources; cultural resource protection and preservation; sample inventory of 10% site selections; site ethnohistory.	D,H	G,E,T		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	<a href="http://www.osti.gov/bridge/purl.cover.jsp?url=/6239076-YWOe3/">http://www.osti.gov/bridge/purl.cover.jsp?url=/6239076-YWOe3/</a>	This report 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
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	<a href="http://www.osti.gov/bridge/purl.cover.jsp?url=/10148876-dBSIv9/webviewable/">http://www.osti.gov/bridge/purl.cover.jsp?url=/10148876-dBSIv9/webviewable/</a>	This report 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

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Document #	REV./Draft/Vol.	Area	Operable Unit	Date	Authors/ Originator	Title	Link	Summary	Background Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
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	<a href="http://www.osti.gov/bridge/purl.cover.jsp?url=/10189840-JsfKJS/">http://www.osti.gov/bridge/purl.cover.jsp?url=/10189840-JsfKJS/</a>	Large quantities of radiostrontium in the form of strontium carbonate have been shipped from HAPO in the HAPC-II shipping systems. Modifications have recently been completed to equip the two HAPO-I systems(1) for shipment of strontium. This report updates previous hazards evaluations of such shipments.	P	C	Y	A	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 and, R.D. Belden, R.J. Seme, S.V. Mattigod, H.D. Freeman, R.W. Scheck, E.D. Goller	100 Area Hanford Soil Washing Treatability Tests	<a href="http://www.osti.gov/bridge/purl.cover.jsp?url=/10190693-zHhWZ7/native/">http://www.osti.gov/bridge/purl.cover.jsp?url=/10190693-zHhWZ7/native/</a>	Soil washing laboratory tests performed at Hanford in support of 100 Area Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) feasibility studies; includes characterization of soils, physical separation, chemical extraction, and water treatment.	D,H,P	E	Y	A	No	Yes
PNNL-14295		100-F; Hanford Site	100-F; Hanford Site	2003 SEPT	Poston, Ted M. ; Hanf, Robert W. ; Dirkes, Roger L. ; Morasch, Launa F.	Hanford Site Environmental Report for Calendar Year 2002	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D2981349">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D2981349</a>	The Hanford Site environmental report is prepared annually for the U.S. Department of Energy (DOE) in accordance with the requirements in the DOE Environment, Safety and Health Reporting Manual (DOE M 231.1-1). This 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, characterizing environmental management performance, programs, and efforts.	D,H,P	G, Z, C, E, T	Y, S, X, P	A, M	Yes	Yes
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	<a href="http://www.osti.gov/bridge/purl.cover.jsp?url=/944136-m7FSjE/">http://www.osti.gov/bridge/purl.cover.jsp?url=/944136-m7FSjE/</a>	This report 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 Operable Unit of the Hanford Site.	D, H	E, T	Y, S	A	Yes	No
WHC-SD-EN-EE-015; ON: DE99050112; BR: EW3110010		100-F, Outfall J; 300 Area	100-F, Outfall J; 300 Area	1997 AUG	Tollefson, K.S.	Hanford Site Comprehensive site Compliance Evaluation Report	<a href="http://www.osti.gov/bridge/purl.cover.jsp?url=/16940-QjrFr6/webviewable/">http://www.osti.gov/bridge/purl.cover.jsp?url=/16940-QjrFr6/webviewable/</a>	This annual report presents the stormwater survey results for stormwater outfalls to the Columbia River from the Hanford Site and a listing of significant leaks and spills as required by NPDES Permit No.: WA-R-00-OOF for the period July 1, 1994 to June 30, 1995.	D	T	S, R	N/A	NO	NO

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Document #	REV./Draft/Vol.	Area	Operable Unit	Date	Authors/ Originator	Title	Link	Summary	Background Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
PNNL-16346-SUM		100-F	100-FR-3	2007 AUG	Hartman, Mary J. ; Morasch, Launa F. ; Webber, William D.	Summary of Hanford Site Groundwater Monitoring for Fiscal Year 2006	<a href="http://www.osti.gov/bridge/purl.cover.jsp?url=/902686-nKtMa/">http://www.osti.gov/bridge/purl.cover.jsp?url=/902686-nKtMa/</a>	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
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	<a href="http://www.osti.gov/bridge/purl.cover.jsp?url=/973170-nF1kt2/">http://www.osti.gov/bridge/purl.cover.jsp?url=/973170-nF1kt2/</a>	This document details the results of revegetation and mitigation monitoring conducted in 2009, including 25 revegetation/restoration projects, one revegetation/mitigation project, and three bat habitat mitigation projects.	D, H	C, E	N/A	A	NO	NO
PNNL-19207		100-F	108-F	2010 MAR	EJ Antonio; TM Poston; BA Rathbone	Thermoluminescent Dosimeter Use for Environmental Surveillance at the Hanford Site, 1971–2005	<a href="http://www.osti.gov/bridge/purl.cover.jsp?url=/981564-KnpQQ5/">http://www.osti.gov/bridge/purl.cover.jsp?url=/981564-KnpQQ5/</a>	This report briefly describes the principles of thermoluminescent dosimetry and the various thermoluminescent dosimeter (TLD) 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
PNNL-12088		100 F; Hanford Site	100 F; Hanford Site	1999 JAN	R. L. Dirkes; R. W. Hanf; T. M. Poston	Hanford Site Environmental Report for Calendar Year 1998	<a href="http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=5&amp;osti_id=890737&amp;Row=21/">http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=5&amp;osti_id=890737&amp;Row=21/</a>	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		100 F; Hanford Site	100 F; Hanford Site	2001 SEPT	Poston, Ted M. ; Hanf, Robert W. ; Dirkes, Roger L. ; Morasch, Launa F.	Hanford Site Environmental Report for Calendar Year 2000	<a href="http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=5&amp;osti_id=890736&amp;Row=22">http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=5&amp;osti_id=890736&amp;Row=22</a>	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-13910		100 F; Hanford Site	100 F; Hanford Site	2002 SEPT	Poston, Ted M. ; Hanf, Robert W. ; Dirkes, Roger L. ; Morasch, Launa F.	Hanford Site Environmental Report for Calendar Year 2001	<a href="http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=5&amp;osti_id=15010050&amp;Row=23">http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=5&amp;osti_id=15010050&amp;Row=23</a>	This report summarizes environmental information for the Hanford Site in Washington State for the calendar year 2001.	D, H, P	G, Z, C, E	Y, S, C, P	A, M	Yes	Yes

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Document #	REV./Draft/Vol.	Area	Operable Unit	Date	Authors/ Originator	Title	Link	Summary	Background Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
PNNL-13487-SUM		100 F; Hanford Site	100 F; Hanford Site	2001 OCT	Hanf, Robert W. ; Poston, Ted M. ; Oconnor, G. A. ; Morasch, Launa F.	Summary of Hanford Site Environmental Report for Calendar Year 2000	<a href="http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=6&amp;osti_id=965677&amp;Row=0">http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=6&amp;osti_id=965677&amp;Row=0</a>	Summary booklet of the annual environmental report for CY 2000.	D, H, P	G, Z, C, E	Y		No	No
WHC-EP-0513		100 - F	100-FR-1; 100-FR-2	1994 JUN	Fitzner, R.E. ; Weiss, S.G. ; Stegen, J.A.	Threatened and Endangered Wildlife Species of the Hanford Site Related to CERCLA Characterization Activities	<a href="http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=6&amp;osti_id=10167540&amp;Row=1">http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=6&amp;osti_id=10167540&amp;Row=1</a>	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-SD-EN-EV-021	Rev. 1		100-FR-1; 100-FR-2; 100-FR-3	1997 Jan	Menard, N.M.	Hanford Site Stormwater Pollution Prevention Plan	<a href="http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=6&amp;osti_id=325655&amp;Row=4">http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=6&amp;osti_id=325655&amp;Row=4</a>	This ECN is to replace and update the Hanford Site Stormwater Pollution Prevention Plan as required by NPDES Permit No. WA-R-10-000F.	D, H	G, Z, T	Y, S	A	No	No
RSVP-2006-047		100-F	1607-F-3	2007 APR	L. M. Dittmer	Remaining Sites Verification Package for the 1607-F3 Sanitary Sewer System, Waste Site Reclassification Form 2006-047	<a href="http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=6&amp;osti_id=944157&amp;Row=6">http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=6&amp;osti_id=944157&amp;Row=6</a>	The 1607-F3 waste site is the former location of the sanitary sewer system that supported the 182-F Pump Station, the 183-F Water Treatment Plant, and the 151-F Substation. The sanitary sewer system included a septic tank, drain field, and associated pipeline, all in use between 1944 and 1965. The results show that residual contaminant concentrations are protective of groundwater and the Columbia River.	D, H, P	G, H, T	Y, S	A	No	No
RSVP-2004-093		100-F	100-F-38	2006 MAR	R. A. Carlson	Remaining Sites Verification Package for 100-F-38 Stained Soil Site, Waste Site Reclassification Form 2004-093	<a href="http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=6&amp;osti_id=945037&amp;Row=7">http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=6&amp;osti_id=945037&amp;Row=7</a>	The 100-F-38 Stained Soil site was an area of yellow stained soil that was discovered while excavating a trench for the placement of electrical conduit. This site meets the remedial action objectives specified in the Remaining Sites ROD. The results show that residual contaminant concentrations do not preclude any future uses and allow for unrestricted use of shallow zone soils and the contaminant concentrations remaining in the soil are protective of groundwater and the Columbia River.	D, H	G, T	Y, S	A	Yes	Yes

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Document #	REV./Draft/Vol.	Area	Operable Unit	Date	Authors/ Originator	Title	Link	Summary	Background Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
PNNL-14687		100-F	100-FR-3	2004 SEPT	Poston, Ted M. ; Hanf, Robert W. ; Dirkes, Roger L. ; Morasch, Launa F.	Hanford Site Environmental Report for Calendar Year 2003	<a href="http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=6&amp;osti_id=15020928&amp;Row=12">http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=6&amp;osti_id=15020928&amp;Row=12</a>	This report is published each year by DOE to summarize environmental data and information, describe environmental management performance, demonstrate the status of compliance with environmental regulations, and highlight major environmental programs and efforts.	D, H, P	G, Z, C, E, T	Y, S, X, P	A, M	Yes	Yes
PNNL-13230		100-F	100-FR-3	2000 SEPT	Poston, Ted M. ; Hanf, Robert W. ; Dirkes, Roger L.	Hanford Site Environmental Report for Calendar Year 1999	<a href="http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=6&amp;osti_id=15020980&amp;Row=13">http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=6&amp;osti_id=15020980&amp;Row=13</a>	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
WHC-SD-EN-EE-015		100-F	Outfall J	1995 SEPT	Tollefson, K.S.	Hanford Site comprehensive site compliance evaluation report	<a href="http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=6&amp;osti_id=451149&amp;Row=16">http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=6&amp;osti_id=451149&amp;Row=16</a>	This document is the second annual submittal by WHC, ICF/KH, PNL and BHI and contains the results of inspections of the storm water outfalls listed in the Hanford Site Storm Water Pollution Prevention Plan (SWPPP) (WHC 1993a) 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. I43141138136	D	T	S	A	Yes	Yes
PNNL-17603 SUM		100 F; Hanford site	100 F; Hanford site	2008 SEPT	Duncan, Joanne P. ; Poston, Ted M. ; Dirkes, Roger L.	Summary of the Hanford Site Environmental Report for Calendar Year 2007	<a href="http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=6&amp;osti_id=939872&amp;Row=17">http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=6&amp;osti_id=939872&amp;Row=17</a>	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
WHC-SD-EN-TI-247		100-F	100-F	1994 SEPT	Mitchell, T.H.	Geophysical investigations in the 100 Areas: Fiscal year 1991 through December 1993	<a href="http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=7&amp;osti_id=10190047&amp;Row=1">http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=7&amp;osti_id=10190047&amp;Row=1</a>	This document 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 Fiscal Year (FY) 1992 are summarized in a single WHC document, WHC-SD-EN-TI-204, Rev. O. A brief summary of some of the successful applications of geophysics in the 100-Areas is included.	D	T			No	No

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WCH-00139	Rev. 0	100-F	100-F-2	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	<a href="http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=7&amp;osti_id=973111&amp;Row=2">http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=7&amp;osti_id=973111&amp;Row=2</a>	The purpose of this report is to describe the sampling approaches and modifications made to the 100 Area and 300 Area component of the RCBRA Sampling and Analysis Plan, summarize validation efforts, and provide sample identification numbers.	D, H	E, T	Y, S	A	Yes	No
PNNL-15892		100-F	100-FR-1, 100-FR-3	2006 SEPT	Poston, Ted M. ; Hanf, Robert W. ; Dirkes, Roger L. ; Morasch, Launa F.	Hanford Site Environmental Report for Calendar Year 2005	<a href="http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=7&amp;osti_id=893252&amp;Row=3">http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=7&amp;osti_id=893252&amp;Row=3</a>	This report includes information and summary analytical data that (1) provide an overview of activities at the Hanford Site during calendar year 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
WHC-SP-0849		100-F	100-F	1995 FEB	Rodriguez, J.M.	Vegetation Management 1994 Fiscal Year End Report	<a href="http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=7&amp;osti_id=39150&amp;Row=4">http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=7&amp;osti_id=39150&amp;Row=4</a>	This year-end report evaluates vegetation management operations on the Hanford reservation 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 ALARA principles, employee safety, environmental impacts, applicable regulations, site aesthetics, and other site-specific factors.	D	E, T		A	No	No
HNF-SP-0665-23		100-F	126-F-1	1997 Jan	Mckinney, S.M.	Quarterly Environmental Radiological Survey Summary - Fourth Quarter 1996 100, 200, 300, and 600 Areas	<a href="http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=7&amp;osti_id=325663&amp;Row=5">http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=7&amp;osti_id=325663&amp;Row=5</a>	This report 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
PNL-8945		100-F	100-F	1993 DEC	Burnett, R.A. ; Tzemos, S. ; Dietz, L.A.	Conversion of Hanford site well locations to Washington coordinate system of 1983, South Zone 1991 (WCS83S)	<a href="http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=7&amp;osti_id=10110208&amp;Row=7">http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=7&amp;osti_id=10110208&amp;Row=7</a>	This report 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

Table B1. Annotated Bibliography

Document #	REV./Draft/Vol.	Area	Operable Unit	Date	Authors/ Originator	Title	Link	Summary	Background Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
WCH-091		100-F	100-FR-3	2006 AUG	C.S. Cearlock	Columbia River Component Data Evaluation Summary Report	<a href="http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=7&amp;osti_id=972721&amp;Row=9">http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=7&amp;osti_id=972721&amp;Row=9</a>	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
PNNL-14687 APP 2		100-F	100-F	2004 SEPT	Perkins, Craig J. ; Coffman, Randy T. ; Mckinney, Stephen M. ; Mitchell, Ronald M. ; Roos, Richard C.	Hanford Site Near-Facility Environmental Monitoring Data Report for Calendar Year 2003	<a href="http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=7&amp;osti_id=860093&amp;Row=10">http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=7&amp;osti_id=860093&amp;Row=10</a>	This document presents the results of near-facility monitoring on the Hanford Site for calendar year 2003.	D, H, P	G, E, T	Y, S	A	No	No
PNL-8580		100-F	100-F	1993 APR	Campbell, M.D. ; McMahon, W.J. ; Simpson, K.R.	Water level measurements for modeling hydraulic properties in the 300-FF-5 and 100 Aggregate Area Operable units	<a href="http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=7&amp;osti_id=10144261&amp;Row=11">http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=7&amp;osti_id=10144261&amp;Row=11</a>	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 Operable Unit (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
PNNL-14187		100-F	100-FR-3	2003 FEB	Hartman, Mary J. ; Morasch, Launa F. ; Webber, William D.	Hanford Site Groundwater Monitoring for Fiscal Year 2002	<a href="http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=7&amp;osti_id=15010110&amp;Row=12">http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=7&amp;osti_id=15010110&amp;Row=12</a>	This report 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, the Atomic Energy Act of 1954, and Washington State Administrative Code (WAC).	D, H, P	G, Z, T	Y, S, R, P	A, M	Yes	Yes

Table B1. Annotated Bibliography

Document #	REV./Draft/Vol.	Area	Operable Unit	Date	Authors/ Originator	Title	Link	Summary	Background Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
PNNL-18427		100-F	100-FR-3	2009 SEPT	Poston, Ted M. ; Duncan, Joanne P. ; Dirkes, Roger L.	Hanford Site Environmental Report for Calendar Year 2008	<a href="http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=7&amp;osti_id=968481&amp;Row=13">http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=7&amp;osti_id=968481&amp;Row=13</a>	This report 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, 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. 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-15222		100-F	100-FR-3	2005 SEPT	Poston, Ted M. ; Hanf, Robert W. ; Dirkes, Roger L.	Hanford Site Environmental Report for Calendar Year 2004	<a href="http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=7&amp;osti_id=15020698&amp;Row=14">http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=7&amp;osti_id=15020698&amp;Row=14</a>	This report, published annually since 1958, includes information and summary analytical data that (1) provide an overview of activities at the Hanford Site during calendar year 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-17603		100-F	100-FR-3	2008 JUN	Poston, Ted M. ; Duncan, Joanne P. ; Dirkes, Roger L.	Hanford Site Environmental Report for Calendar Year 2007	<a href="http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=7&amp;osti_id=939874&amp;Row=15">http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=7&amp;osti_id=939874&amp;Row=15</a>	The Hanford Site environmental report is prepared annually for DOE in accordance with regulatory requirements. The report 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. Some historical and I76I81I76I73I70I67I65I63I62I61I59I57I55I53I52I51I49I48	D, H, P	G, Z, C, E, T	Y, S, X, P	A, M	Yes	Yes
DOE/RL-92-28		100-F	100-FR-1	1993 JUN	USDOE Richland Field Office, WA (United States)	Columbia River impact evaluation plan	<a href="http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=7&amp;osti_id=10169552&amp;Row=16">http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=7&amp;osti_id=10169552&amp;Row=16</a>	This report was prepared to fulfill the requirement of Tri-Party Agreement Milestone M-30-02, which requires a plan to determine cumulative health and environmental impacts to the Columbia River. This plan supplements the CERCLA remedial investigations/feasibility studies (RI/FSs) and RCRA facility investigations/corrective measures studies (RFI/CMSs) that will be 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, C, E, T	Y, S, X, P	A, M	Yes	Yes

Table B1. Annotated Bibliography

Document #	REV./Draft/Vol.	Area	Operable Unit	Date	Authors/ Originator	Title	Link	Summary	Background Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
WHC-SD-ENV-EE-001		100-F	100-F	1996 AUG	Perkins, C.J., Westinghouse Hanford	Hanford Site Storm Water Comprehensive Site Compliance Evaluation Report for the Reporting Period July 1, 1995 through June 30, 1996	<a href="http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=7&amp;osti_id=662014&amp;Row=17">http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=7&amp;osti_id=662014&amp;Row=17</a>	This document 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
BNWL-1337		100-F	100-F	1970 MAR	Albaugh, F.W.	Pacific Northwest Laboratory monthly activities report, February 1970	<a href="http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=7&amp;osti_id=10167442&amp;Row=18">http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=7&amp;osti_id=10167442&amp;Row=18</a>	This 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
PNNL-16346		100-F	100-FR-3	2007 MAR	Hartman, Mary J.; Morasch, Launa F.; Webber, William D.	Hanford Site Groundwater Monitoring for Fiscal Year 2006	<a href="http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=7&amp;osti_id=902684&amp;Row=19">http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=7&amp;osti_id=902684&amp;Row=19</a>	This report presents the results of groundwater monitoring for FY 2006 on DOE's Hanford Site. Results of groundwater remediation, vadose zone monitoring, and characterization are summarized.	D, H, P	G, Z, E, T	Y, S, X, P	A, M	Yes	Yes
RSVP-2006-017		100-F	100-FR-1; 100-FR-3	2006 MAY	R. A. Carlson	Remaining Sites Verification Package for the 126-F-2, 183-F Clearwells, Waste Site Reclassification Form 2006-017	<a href="http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=7&amp;osti_id=944146&amp;Row=21">http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=7&amp;osti_id=944146&amp;Row=21</a>	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 the Environmental Restoration Disposal Facility (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	D, H	G, T	Y, S	A	Yes	No

Table B1. Annotated Bibliography

Document #	REV./Draft/Vol.	Area	Operable Unit	Date	Authors/ Originator	Title	Link	Summary	Background Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
HW-11333		100-F	100-F	1948 OCT	Singlevich, W.	Radioactive contamination in the environs of the Hanford Works for the period April - May - June, 1948	<a href="http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=7&amp;osti_id=6371269&amp;Row=23">http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=7&amp;osti_id=6371269&amp;Row=23</a>	This report 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-12677		100-F	100-F	1949 MAR	Singlevich, W.	Radioactive contamination in the environs of the Hanford Works for the period July, August, September 1948	<a href="http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=7&amp;osti_id=6417915&amp;Row=24">http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=7&amp;osti_id=6417915&amp;Row=24</a>	This report 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
HW-77387-Del.		100-F	100-F	1963 APR	Brouns, R.J. ; Fuquay, J.J. ; Simpson, C.L. ; Soldat, J.K. ; Brauer, F.P. ; Perkins, R.W.	Results of a test of sampling in I{sup 131} plumes	<a href="http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=8&amp;osti_id=10115043&amp;Row=0">http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=8&amp;osti_id=10115043&amp;Row=0</a>	On September 13 and 14, 1962, 8.3 curies of iodine-131 were emitted from the Hanford Redox Plant at a rate of from 0.35 to 0.65 curies per hour for a period of 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
PNNL-13230		100-F	100-F	2000 SEPT	TM Poston ; RW Hanf ; RL Dirkes	Hanford Site Environmental Report 1999	<a href="http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=8&amp;osti_id=764021&amp;Row=2">http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=8&amp;osti_id=764021&amp;Row=2</a>	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. Individual sections (1) describe the Hanford Site and its mission; (2) summarize the status of compliance with environmental regulations; (3) describe the environmental programs at the Hanford Site; (4) discuss the estimated radionuclide exposure to the public from 1999 Hanford Site activities; (5) present the effluent monitoring, environmental surveillance, groundwater protection and monitoring information; and (6) discuss the activities to ensure quality.	D, H, P	G, Z, C, E, T	Y, S, X, P	A, M	Yes	Yes

Table B1. Annotated Bibliography

Document #	REV./Draft/Vol.	Area	Operable Unit	Date	Authors/ Originator	Title	Link	Summary	Background Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
PNL-10174		100-F	100-F	1994 OCT	Poston, T.M. ; Cooper, A.T.	A qualitative evaluation of radionuclide concentrations in Hanford Site Wildlife, 1983 through 1992	<a href="http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=8&amp;osti_id=10194879&amp;Row=10">http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=8&amp;osti_id=10194879&amp;Row=10</a>	Environmental monitoring has been conducted at DOE's Hanford Site in southeastern Washington State 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
PNNL-15670		100-F	100-FR-3	2006 FEB	Hartman, Mary J. ; Morasch, Launa F. ; Webber, William D.	Hanford Site Groundwater Monitoring for Fiscal Year 2005	<a href="http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=8&amp;osti_id=889070&amp;Row=11">http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=8&amp;osti_id=889070&amp;Row=11</a>	This report is one of the major products and deliverables of the Groundwater Remediation and Closure Assessment Projects detailed work plan for FY 2006, and reflects the requirements of The Groundwater Performance Assessment Project Quality Assurance Plan (PNNL-15014). This report presents the results of groundwater and vadose zone monitoring and remediation for FY 2005 on DOE's Hanford Site, Washington. Monitoring for CERCLA is conducted in 11 groundwater operable units.	D, H, P	G, Z, E, T	Y, S, X, P	A, M	Yes	Yes
PNNL-15070		100-F	100-FR-3	2005 MAR	Hartman, Mary J. ; Morasch, Launa F. ; Webber, William D.	Hanford Site Groundwater Monitoring for Fiscal Year 2004	<a href="http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=8&amp;osti_id=888712&amp;Row=12">http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=8&amp;osti_id=888712&amp;Row=12</a>	This document presents the results of groundwater and vadose zone monitoring for FY 2004 (October 2003 through September 2004) on DOE's Hanford Site in southeast Washington State.	D, H, P	G, Z, E, T	Y, S, X, P	A, M	Yes	Yes
PNNL-18427 APP.2		100-F	100-F	2009 SEPT	Perkins, Craig J. ; Dorsey, Michael C. ; Mckinney, Stephen M. ; Wilde, Justin W. ; Poston, Ted M.	Hanford Site Near-Facility Environmental Monitoring Data Report for Calendar Year 2008	<a href="http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=8&amp;osti_id=968480&amp;Row=13">http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=8&amp;osti_id=968480&amp;Row=13</a>	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

Table B1. Annotated Bibliography

Document #	REV./Draft/Vol.	Area	Operable Unit	Date	Authors/ Originator	Title	Link	Summary	Background Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
PNNL-6415	REV. 17	100-F	100-FR-3	2005 SEPT	Neitzel, Duane A., PNNL	Hanford Site National Environmental Policy Act (NEPA) Characterization Report, Revision 17	<a href="http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=8&amp;osti_id=877061&amp;Row=14">http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=8&amp;osti_id=877061&amp;Row=14</a>	This document 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 the National Environmental Policy Act (NEPA). For this 2005 revision, the following sections of the document were reviewed by the authors and updated with the best available information through May 2005: Climate and Meteorology, Air Quality, Geology; Seismicity section only Hydrology; Flow charts for the Columbia and Yakima rivers only Ecology; Threatened and Endangered Species subsection only Socioeconomics; Occupational Safety all of Chapter 6.	D, H, P	G, Z, C, E, T	Y, S, R, P	A, M	No	No
PNNL-14687 SUM		100-F	100-F	2004 SEPT	Hanf, Robert W.; Morasch, Launa F.; Poston, Ted M.; Dirkes, Roger L.	Summary of the Hanford Site Environmental Report for Calendar Year 2003	<a href="http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=8&amp;osti_id=860094&amp;Row=16">http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=8&amp;osti_id=860094&amp;Row=16</a>	This document provides a summary of the larger report.	D, H	G, Z, C, E, T	Y, S	A, M	No	No
WHC-SP-0665-8		100-F	100-F	1993 APR	McKinney, S.M.	Quarterly environmental radiological survey summary. First quarter 1993, 100, 200, 300, and 600 Areas	<a href="http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=8&amp;osti_id=10102247&amp;Row=21">http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=8&amp;osti_id=10102247&amp;Row=21</a>	This report 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
PNL-8942		100-F	100-F	1993 DEC	Downs, J.L. ; Rickard, W.H. ; Brandt, C.A. [and others]	Habitat types on the Hanford Site: Wildlife and plant species of concern	<a href="http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=8&amp;osti_id=10110777&amp;Row=23">http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=8&amp;osti_id=10110777&amp;Row=23</a>	This report 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

Table B1. Annotated Bibliography

Document #	REV./Draft/Vol.	Area	Operable Unit	Date	Authors/ Originator	Title	Link	Summary	Background Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
PNNL-6415 Rev. 15	REV. 15	100-F	100-F	2003 SEPT	Neitzel, Duane A, PNNL	Hanford Site National Environmental Policy Act (NEPA) Characterization, Revision 15	<a href="http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=9&amp;osti_id=15010377&amp;Row=2">http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=9&amp;osti_id=15010377&amp;Row=2</a>	This document 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
RSVP-2004-131		100-F	100-FR-1; 100-FR-2	2007 DEC	L. M. Dittmer	Remaining Sites Verification Package for the 1607-F4 Sanitary Sewer System, Waste Site Reclassification Form 2004-131	<a href="http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=9&amp;osti_id=944134&amp;Row=3">http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=9&amp;osti_id=944134&amp;Row=3</a>	The 1607-F4 waste site is the former location of the sanitary sewer system that serviced the former 115-F Gas Recirculation Building. The system included a septic tank, drain field, and associated pipeline that were in use from 1944 to 1965. In accordance with this evaluation, the verification sampling results support a reclassification of this site to Interim Closed Out. 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	Yes	No
PNNL-13674		100-F	100-F	2001 OCT	Peterson, Robert E. ; Connelly, Michael P.	Zone of Interaction Between Hanford Site Groundwater and Adjacent Columbia River	<a href="http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=9&amp;osti_id=965723&amp;Row=4">http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=9&amp;osti_id=965723&amp;Row=4</a>	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 2-D 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
WCH-00133, 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	<a href="http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=9&amp;osti_id=973110&amp;Row=5">http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=9&amp;osti_id=973110&amp;Row=5</a>	The report documents the results of revegetation and mitigation monitoring conducted in 2006 and includes 11 revegetation/restoration projects, one revegetation/mitigation project, and 2 bat habitat mitigation projects.	D, H	E, T		A	No	No

Table B1. Annotated Bibliography

Document #	REV./Draft/Vol.	Area	Operable Unit	Date	Authors/ Originator	Title	Link	Summary	Background Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
PNNL-6415 Rev. 16	REV. 16	100-F	100-F	2004 SEPT	Neitzel, Duane A, PNNL	Hanford Site National Environmental Policy Act (NEPA) Characterization Report	<a href="http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=9&amp;osti_id=15020954&amp;Row=7">http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=9&amp;osti_id=15020954&amp;Row=7</a>	This document 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
PNNL-14548		100-F	100-F	2004 APR	Hartman, Mary J. ; Morasch, Launa F. ; Webber, William D.	Hanford Site Groundwater Monitoring for Fiscal Year 2003	<a href="http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=9&amp;osti_id=15007188&amp;Row=8">http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=9&amp;osti_id=15007188&amp;Row=8</a>	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-13688		100-F	100-F	2001 SEPT	Sackschewsky, Michael R. ; Downs, Janelle L.	Vascular Plants of the Hanford Site	<a href="http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=9&amp;osti_id=965728&amp;Row=10">http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=9&amp;osti_id=965728&amp;Row=10</a>	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
WHC-SP-0903	Rev. 2	100-F	100-F	1995 SEPT	Tift, S.R.	NEPA source guide for the Hanford Site. Revision 2	<a href="http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=9&amp;osti_id=187258&amp;Row=11">http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=9&amp;osti_id=187258&amp;Row=11</a>	This document summarizes relevant environmental assessments (EAs) and environmental impact statements (EISs) by briefly outlining the proposed action of each and the decision made by DOE or its predecessor agencies, the U.S. Atomic Energy Commission (AEC), and the U.S. Energy Research and Development Administration (ERDA), concerning the proposed action and current status of the buildings and units discussed in the proposed action.	D, H		Y, S		No	No

Table B1. Annotated Bibliography

Document #	REV./Draft/Vol.	Area	Operable Unit	Date	Authors/ Originator	Title	Link	Summary	Background Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
PNNL-12086		100-F	100-F	1999 MAR	Hartman, M.J. [and others]	Hanford Site Groundwater Monitoring for Fiscal Year 1998	<a href="http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=9&amp;osti_id=4737&amp;Row=12">http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=9&amp;osti_id=4737&amp;Row=12</a>	This report presents the results of groundwater and vadose-zone monitoring and remediation for FY 1998 on the Hanford Site, Washington.	D, H, P	G, Z, C, E, T	Y, S, R, P	A, M	No	No
PNNL-12088		100-F	100-F	1999 SEPT	RL Dirkes ; RW Hanf ; TM Poston	Hanford Site 1998 Environmental Report	<a href="http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=9&amp;osti_id=11226&amp;Row=13">http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=9&amp;osti_id=11226&amp;Row=13</a>	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, T	Y, S, X, P	A, M	Yes	Yes
PNNL-15670-SUM		100-F	100-FR-3	2006 MAR	Hartman, Mary J. ; Morasch, Launa F. ; Webber, William D.	Summary of Hanford Site Groundwater Monitoring for Fiscal Year 2005	<a href="http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=9&amp;osti_id=890726&amp;Row=17">http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=9&amp;osti_id=890726&amp;Row=17</a>	This is a summary booklet of the main report: Hanford Site Groundwater Monitoring for Fiscal Year 2005.	D,H, P	E	Y, S, R, P	A,M	Yes	Yes
PNL-9380		100-F	100-F	1994 APR	Cadwell, L.L. [ed.]	Wildlife studies on the Hanford Site: 1993 Highlights report	<a href="http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=9&amp;osti_id=1014573&amp;Row=19">http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=9&amp;osti_id=1014573&amp;Row=19</a>	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-8868		100-F	100-F	1993 DEC	Meyer, P.D.	A quantitative method for groundwater surveillance monitoring network design at the Hanford Site	<a href="http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=9&amp;osti_id=10115524&amp;Row=20">http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=9&amp;osti_id=10115524&amp;Row=20</a>	This report 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

Table B1. Annotated Bibliography

Document #	REV./Draft/Vol.	Area	Operable Unit	Date	Authors/ Originator	Title	Link	Summary	Background Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
WHC-EP-0394-6		HANFORD SITE	HANFORD SITE	1993 SEPT	Kasza, G.L. ; Hartman, M.J. ; Hodges, F.N. ; Simpson, K.R. ; Weekes, D.C.	Groundwater Maps of the Hanford Site, December 1992	<a href="http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=9&amp;osti_id=10192923&amp;Row=23">http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=9&amp;osti_id=10192923&amp;Row=23</a>	The 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
PNNL-15070 SUM		100-F	100-FR-3	2005 APR	Hartman, Mary J. ; Morasch, Launa F. ; Webber, William D.	Summary of Hanford Site Groundwater Monitoring for Fiscal Year 2004	<a href="http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=9&amp;osti_id=15020691&amp;Row=24">http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=9&amp;osti_id=15020691&amp;Row=24</a>	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
HW-7-1779		100-F	100-F	1945 JUN	CANTRIL, ST	REGARDING THE FISH PROGRAM - 100-F	<a href="http://www5.hanford.gov/declass/mon/findpage.cfm?docnum=HW-7-1779">http://www5.hanford.gov/declass/mon/findpage.cfm?docnum=HW-7-1779</a>	Brief outline of the program that includes a dilution study of plant effluent water at 100-F, a temperature study, a radiation study, a chemical study, an original plot experiment, and a Chinook experiment.	D	Z	S	A	No	No
P-4723-NEG		100-F	100-F	1944 SEPT	Staff	Construction of 100-F Reactor	<a href="http://www5.hanford.gov/declass/mon/findpage.cfm?docnum=P-4723-NEG">http://www5.hanford.gov/declass/mon/findpage.cfm?docnum=P-4723-NEG</a>	Photograph of pre-construction site of 100-F/for interest only; no text.	D				No	No

Table B1. Annotated Bibliography

Document #	REV./Draft/Vol.	Area	Operable Unit	Date	Authors/ Originator	Title	Link	Summary	Background Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
UNI-1003-VOL1		100-F	100-F	1978 SEPT	Koochi, A.K. ; Staff	100-F Area Activities Description	<a href="https://www.osti.gov/opennet/detail.jsp?osti_id=16474191&amp;query_id=0">https://www.osti.gov/opennet/detail.jsp?osti_id=16474191&amp;query_id=0</a>	This document defines the scope of work and outlines the procedures necessary to restore the essential services to 100-F Area and to prepare the site for the demolition and clean up programs.	D, H	T	Y	A	No	NO
UNI-1003-VOL2		100-F	100-F	1979 MAR	Koochi, A.K. ; Staff	100-F Area Activities Description	<a href="https://www.osti.gov/opennet/detail.jsp?osti_id=16474192&amp;query_id=0">https://www.osti.gov/opennet/detail.jsp?osti_id=16474192&amp;query_id=0</a>	Activity description 184 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
HW-28137		100-F	100-F	1953 MAY	STRAND, NO	Maximum Capacities of the 100-F Water Plant	<a href="https://www.osti.gov/opennet/detail.jsp?osti_id=16432943&amp;query_id=0">https://www.osti.gov/opennet/detail.jsp?osti_id=16432943&amp;query_id=0</a>	100-F Water Plant: This document presents the results of maximum capacity tests performed at 181-F, 182-F, and 183-F. Possible methods of increasing the process flow to the arbitrary value of 257,380 lpm (68,000 gpm) are given.	D			A	No	NO
HW-10284		100-F	100-F	1948 JUN	WARREN, JH	Ruptured Slug-Tube 1165-F, 100-F Area	<a href="http://www5.hanford.gov/declass/mon/findpage.cfm?docnum=HW-10284">http://www5.hanford.gov/declass/mon/findpage.cfm?docnum=HW-10284</a>	This document regards the detection and subsequent removal of a ruptured slug in Tube 1165 in the F Pile and makes recommendations for the handling of any future problems of this nature.	D		Y	A	No	NO
HW-51980		100-F	100-F	1957 SEPT	YOUNG, JR	Investigation of 100-F Reactor External Tube Corrosion	<a href="https://www.osti.gov/opennet/detail.jsp?osti_id=16442188&amp;query_id=0">https://www.osti.gov/opennet/detail.jsp?osti_id=16442188&amp;query_id=0</a>	Analyzes the 100-F reactor tube corrosion as of September 1, 1957, to determine the measures necessary to prevent additional external corrosion and the resultant water leaks.	D		Y	A	No	No

Table B1. Annotated Bibliography

Document #	REV./Draft/Vol.	Area	Operable Unit	Date	Authors/ Originator	Title	Link	Summary	Background Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
HW-60649		100-F	100-F	1959 JUN	LLOYD, JT	Project Proposal - Shielded Animal Monitoring Station - 100-F Area - CGH-864	<a href="https://www.osti.gov/opennet/detail.jsp?osti_id=16445435&amp;query_id=0">https://www.osti.gov/opennet/detail.jsp?osti_id=16445435&amp;query_id=0</a>	This project is to provide a low background whole body monitoring facility near the animal farm in 100-F area for general use by Biology Operations. Facility will be partially underground.	D	T			No	No
HW-66382		100-F	100-F	1960 AUG	BORSHEIM, GL	Calculated Year-Around Filter Plant Capacities at 100-B, 100-D, 100-DR and 100-F	<a href="https://www.osti.gov/opennet/detail.jsp?osti_id=16447627&amp;query_id=0">https://www.osti.gov/opennet/detail.jsp?osti_id=16447627&amp;query_id=0</a>	Calculated capacities based on information extrapolated from data taken in the summer of 1959, discussion of the effects of variations in raw water quality.	D			A	No	No
HW-69841		100-F	100-F	1961 JUN	HALL, RB	INTERIM REPORT TEST TO REDUCE REACTOR EFFLUENT WATER ACTIVITY 100-F AREA	<a href="http://www5.hanford.gov/declass/mon/findpage.cfm?docnum=HW-69841">http://www5.hanford.gov/declass/mon/findpage.cfm?docnum=HW-69841</a>	A test was inaugurated at 100-F Area on May 1, 1961, to determine the optimal setting in effluent activity that can be achieved by increasing the alum floc addition in treating raw river water. This report presents only preliminary data and for that reason the reader is cautioned that the data are incomplete and the conclusions are tentative.	D		Y	A	No	No
HW-7-4394		100-F	100-F	1946 JUN	MONTGOMERY, DC	REPAIRS TO THE RETENTION BASINS (BUILDING 107) IN 100-B, 100-D, AND 100-F	<a href="https://www.osti.gov/opennet/detail.jsp?osti_id=16449763&amp;query_id=0/6">https://www.osti.gov/opennet/detail.jsp?osti_id=16449763&amp;query_id=0/6</a>	A program of leakage tests was initiated based on findings of a large marshy spot, and on 9/12/45 repair work was started on the 100-F Area basin. This report details the tests made and the nature and extent of the repairs necessary to correct the existing conditions.	D	Z, T	Y, S	A	No	No

Table B1. Annotated Bibliography

Document #	REV./Draft/Vol.	Area	Operable Unit	Date	Authors/ Originator	Title	Link	Summary	Background Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
HW-70495		100-F	100-F	1961 JUN	REED, W	AUDIT OF POWER HOUSE FACILITIES - 184 BUILDING, AREA 100-F	<a href="https://www.osti.gov/opennet/detail.jsp?osti_id=16450464&amp;query_id=0/6">https://www.osti.gov/opennet/detail.jsp?osti_id=16450464&amp;query_id=0/6</a>	An appraisal of equipment conditions and operating practices in 184-F bldg. Discusses operating practice manual; feedwater supply and control; 5-pound system, exhaust steam; boiler operation and acceleration; fire cleaning; conditions of equipment; boiler controls; instrument air and conclusions.	D				No	No
HW-27802		100-F	184-F	1961 JUN	FOLEY, DJ	PILE GAS PURGE AFTER THE BALL 3X OUTAGE - 100-F	<a href="https://www.osti.gov/opennet/detail.jsp?osti_id=16432776&amp;query_id=0">https://www.osti.gov/opennet/detail.jsp?osti_id=16432776&amp;query_id=0</a>	An appraisal of equipment condition and operating practices in 184-F bldg. Discusses operating practice manual; feedwater supply and control; 5-pound system, exhaust steam; boiler operation and acceleration; fire cleaning; conditions of equipment; boiler controls; instrument air and conclusions.	D, P	T	Y, S	A	Yes	No
HW-35764		100-F	100-F	1955 MAR	CONLEY, WR	FINAL REPORT - PROCESS TEST MR 105-17 -- WATER QUALITY CONTROL - 100-F AREA	<a href="https://www.osti.gov/opennet/detail.jsp?osti_id=16437813&amp;query_id=0/6">https://www.osti.gov/opennet/detail.jsp?osti_id=16437813&amp;query_id=0/6</a>	Concludes film growth is function of turbidity in filtered water, all other conditions being equal. Recommends careful regulation of chemical addition to control turbidity.	D, P		Y, S	A	Yes	Yes
HW-35764-REV		100-F	100-F	1955 MAY	CONLEY, WR	FINAL REPORT - PROCESS TEST MR 105-17 -- WATER QUALITY CONTROL - 100-F AREA	<a href="https://www.osti.gov/opennet/detail.jsp?osti_id=16437814&amp;query_id=0/6">https://www.osti.gov/opennet/detail.jsp?osti_id=16437814&amp;query_id=0/6</a>	Concludes that film growth in reactor tubes is a function of turbidity in filtered water, all other conditions being equal. Recommends careful regulation of chemical addition to control turbidity. Effects of alum feed rate, activated silica feed, lime feed and H <sub>2</sub> SO <sub>4</sub> on water quality and of tube flow rate on apparent film growth were evaluated.	D, P		Y, S	A	Yes	Yes
HDC-2444		100-F	100-F	1952 JAN	PILKEY, OH	SITE COMPARISON BETWEEN 100-H AND 100-F FOR ADDITIONAL REACTOR AND WATER PLANT FACILITIES - RDA DC-6 PROGRAM	<a href="https://www.osti.gov/opennet/detail.jsp?osti_id=16424502&amp;query_id=0/6">https://www.osti.gov/opennet/detail.jsp?osti_id=16424502&amp;query_id=0/6</a>	The purpose of this report is to present the reasons for the selection of 100-H Area instead of the 100-F Area as the site to be used for the proposed reactor and water plant facilities.	D, H	G, Z, T	Y	A	Yes	Yes

Table B1. Annotated Bibliography

Document #	REV./Draft/Vol.	Area	Operable Unit	Date	Authors/ Originator	Title	Link	Summary	Background Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
HW-20395-RD		100-F	100-F	1949 JAN	MCMURRAY, PR	ROUGH DRAFT - SEMI MONTHLY AND MONTHLY 100-F AREA - H.I. REPORTS FROM JANUARY 14, 1949 THROUGH DECEMBER 1949	<a href="https://www.osti.gov/opennet/detail.jsp?osti_id=16429632&amp;query_id=0/6">https://www.osti.gov/opennet/detail.jsp?osti_id=16429632&amp;query_id=0/6</a>	This report summarizes the site activity, incident reports of work, and actions taken .	P		Y, S		Yes	Yes
MED-1001		100-F	100-F	1944 SEPT	VALENTE, FA	100-F AREA PRE-START-UP LOGS -- DAILY DIARY, CAPTAIN VALENTE SEPTEMBER 1944 THROUGH JULY 1945	<a href="https://www.osti.gov/opennet/detail.jsp?osti_id=16463739&amp;query_id=0/6">https://www.osti.gov/opennet/detail.jsp?osti_id=16463739&amp;query_id=0/6</a>	This report details the startup activities and comparisons of operations of 100-F to 100-D areas	D	T	Y, S	A	No	No
HW-46791		100-F	100-F	1956 NOV	GRIFFITH, RM	PROJECT PROPOSAL - HIGH LEVEL EXPOSURE FACILITY - ADDITION TO 141-H BUILDING, 100-F AREA	<a href="https://www.osti.gov/opennet/detail.jsp?osti_id=16440866&amp;query_id=0/6">https://www.osti.gov/opennet/detail.jsp?osti_id=16440866&amp;query_id=0/6</a>	This proposal requests authorization to provide a one room addition and make alterations to the 141-H Building, 100-F Area, so that high level exposure experiments on animals may be conducted safely.	D, P	T	Y		No	No
HW-82187		100-F	100-F	1965 SEPT	STEELE, CC	DESIGN CRITERIA - EMERGENCY RIVER WATER FOR HLO FACILITIES AT 100-F PROJECT CGI-141 REACTOR PLANT DEACTIVATION	<a href="https://www.osti.gov/opennet/detail.jsp?osti_id=16455613&amp;query_id=0/6">https://www.osti.gov/opennet/detail.jsp?osti_id=16455613&amp;query_id=0/6</a>	This document describes locations of pumps that supply water to 146-F and 181-F.	D	G, Z, T			No	No

Table B1. Annotated Bibliography

Document #	REV./Draft/Vol.	Area	Operable Unit	Date	Authors/ Originator	Title	Link	Summary	Background Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
TPA-CN-410		100-F	100-FR-3	2010 NOV	Jon McKibben / Nathan Bowles	TRI-PARTY AGREEMENT TPA CHANGE NOTICE FORM WASTE CONTROL PLAN FOR THE 100-FR-3 OPERABLE UNIT DOE/RL-2004-31 REV 1	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=1012090500">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=1012090500</a>	The waste control plan (WCP) is being updated to include specific waste stream instructions for pore water and river water sampling.	D		S		No	No
153969		100-F	100-IU-2, 100-IU-6	2010 OCT	MS FRENCH, BL 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	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=1010201060">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=1010201060</a>	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	T	Y,S,		No	No
TPA-CN-379	Rev 1	100-F	100-FR-3	2010 AUG	BL CHARBONEAU	TRI-PARTY AGREEMENT TPA CHANGE NOTICE FORM WASTE CONTROL PLAN FOR THE 100-FR-3 OPERABLE UNIT DOE/RL-2004-31 REV 1	<a href="http://www5.hanford.gov/arpir/?content=detail&amp;AKey=1009162379">http://www5.hanford.gov/arpir/?content=detail&amp;AKey=1009162379</a>	Document contains well names for 100-FR-3 OU.	D				No	No
TPA-CN-361	Rev 1	100-F	100-FR-3	2010 JUN	BL CHARBONEAU, C GUZZETTI	TPA CHANGE NOTICE FORM WASTE CONTROL PLAN FOR THE 100-FR-3 OPERABLE UNIT DOE/RL-2004-31 REV 1	<a href="http://www5.hanford.gov/arpir/?content=detail&amp;AKey=0084364">http://www5.hanford.gov/arpir/?content=detail&amp;AKey=0084364</a>	Appendix 3, 100-FR-3 Operable Unit Groundwater Well List on page 8 of the WCP for the 100-FR-3 Operable Unit is being updated to include three new RI/FS boreholes.	D				No	No
TPA-CN-329	Rev 1	100-F	100-FR-3	2010 MAR	BL CHARBONEAU	TRI-PARTY AGREEMENT TPA CHANGE NOTICE FORM WASTE CONTROL PLAN FOR THE 100-FR-3 OPERABLE UNIT DOE/RL-2004-31 REV 1	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=0084687">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=0084687</a>	Appendix 3, 100-FR-3 Operable Unit Groundwater Well List on page 8 of the WCP for the 100-FR-3 Operable Unit is being updated to include three new wells.	D				No	No

Table B1. Annotated Bibliography

Document #	REV./Draft/Vol.	Area	Operable Unit	Date	Authors/ Originator	Title	Link	Summary	Background Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
08-AMRC-0143		100-F	100-FR-3	2008 MAR	JR 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	<a href="http://www5.hanford.gov/arpir/?content=detail&amp;AKey=DA06973930">http://www5.hanford.gov/arpir/?content=detail&amp;AKey=DA06973930</a>	This report contains confirmatory evaluation, remediation, and verification sampling results for a reclassification of the 100-F-26:13 waste site to Interim Closed Out. The current site conditions achieve the remedial action objectives and goals established in the Remaining Sites Record of Decision (ROD).	D, H	G, T	Y, S	A, M	Yes	Yes
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	<a href="http://www5.hanford.gov/arpir/?content=detail&amp;AKey=DA06144006">http://www5.hanford.gov/arpir/?content=detail&amp;AKey=DA06144006</a>	This document contains a Backfill Concurrence Checklist; RESRAD calculations for 100-F-8 ; and details for sculpin and sediment sampling	D, H	G	Y	A	Yes	No
Accession # DA05133166		100-F	100 - IU- 2, 6	2007 APR	MS MCCORMICK	MEETING MINUTES TPA MILESTONE REVIEW CENTRAL PLATEAU JANUARY 18 2007	<a href="http://www5.hanford.gov/arpir/?content=detail&amp;AKey=DA05133166">http://www5.hanford.gov/arpir/?content=detail&amp;AKey=DA05133166</a>	This document discusses the 100-IU-2, -6, ROD options.	D				No	No
129616		100-F	100-F-26:2	2006 AUG	KD BAZZELL	MEETING MINUTES UNIT MANAGERS MEETING 100 AREA 300 AREA GROUNDWATER AND REMEDIAL ACTION UNIT AND SOURCE OU JULY 13 2006	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=DA04278503">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=DA04278503</a>	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

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Document #	REV./Draft/Vol.	Area	Operable Unit	Date	Authors/ Originator	Title	Link	Summary	Background Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
128829		100-F	100-F	2006 JUL	KM THOMPSON	MEETING MINUTES UNIT MANAGERS MEETING 100 AREA GROUNDWATER AND SOURCE OU AND FACILITY DEMOLITION MARCH 24 2005	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=DA03629392">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=DA03629392</a>	Document contains locations and information concerning the air monitoring of 100-F Area.	D	G,T			No	No
128828		100-F	100-F	2006 JUN	KM THOMPSON	MEETING MINUTES UNIT MANAGERS MEETING 100 AREA GROUNDWATER AND REMEDIAL ACTION AND SOURCE OU APRIL 28 2005	<a href="http://www5.hanford.gov/arpir/?content=detail&amp;AKey=DA03629435">http://www5.hanford.gov/arpir/?content=detail&amp;AKey=DA03629435</a>	Attachment 7 contains 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	G	Y		No	No
PNNL-15176		100-F	100-F	2005 JUN	JT RIEGER, MJ HARTMAN	FY 2005 INTEGRATED MONITORING PLAN FOR HANFORD GROUNDWATER PERFORMANCE ASSESSMENT PROJECT	<a href="http://www5.hanford.gov/arpir/?content=detail&amp;AKey=DA273110">http://www5.hanford.gov/arpir/?content=detail&amp;AKey=DA273110</a>	This document contains groundwater monitoring well locations for 100-F.	D	T			No	No
DOE/RL-2004-31	REV. 1	100-F	100-FR-3	2005 MAY	DOE-RL	WASTE CONTROL PLAN FOR 100-FR-3 OU	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=DA780642">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=DA780642</a>	This document contains Work Scopes for the 100-FR-3; Far Field Monitoring Well Location; Decommissioned Well List.	D	T	Y		No	No

Table B1. Annotated Bibliography

Document #	REV./Draft/Vol.	Area	Operable Unit	Date	Authors/ Originator	Title	Link	Summary	Background Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
PNNL-14687-SUM		100-F	100-F	2004 SEPT	LF MORASCH,RL DIRKES,RW HANF,TM POSTON	SUMMARY OF HANFORD SITE ENVIRONMENTAL REPORT FOR CY 2003	<a href="http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D6395667">http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D6395667</a>	This summary includes general descriptions of all Hanford activities and concerns for Calendar Year (CY) 2003. It specifically mentions the 100-F Area in one instance of Contaminated Soil Removal, and lists the total tonnage removed.	D	T	Y		No	No
PNNL-14687		100-F	100-F	2004 SEPT	LF MORASCH,RL DIRKES,RW HANF,TM POSTON	HANFORD SITE ENVIRONMENTAL REPORT FOR CY 2003 [SECTION 1 OF 2]	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D6396066">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D6396066</a>	A comprehensive report of all Hanford activities for CY 2003. Appendixes 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
DOE/RL-2003-49	Rev.1	100-F	100-F	2004 SEPT	PNNL	100-FR-3 OPERABLE UNIT SAMPLING AND ANALYSIS PLAN	<a href="http://www5.hanford.gov/arpir/?content=detail&amp;AKey=0811040295">http://www5.hanford.gov/arpir/?content=detail&amp;AKey=0811040295</a>	This document describes groundwater sampling and analysis requirements for the 100-FR-3 OU.	D	G, Z, T	Y, P	A	No	No
114449		100-F	100-FR-3	2004 JUN	AC TORTOSO, DC SMITH	MEETING MINUTES UNIT MANAGERS MEETING 100 AREA REMEDIAL ACTION UNIT SOURCE OU FEBRUARY 26 2004	<a href="http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D5382792">http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D5382792</a>	Contains trend plots for 100-FR-3 and 100-F General Status.	D, H	G, Z, T	Y, P	A	Yes	No

Table B1. Annotated Bibliography

Document #	REV./Draft/Vol.	Area	Operable Unit	Date	Authors/ Originator	Title	Link	Summary	Background Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
N/A		100-F	100-FR-3	2004 MAR	JS FRUCHTER	PAGE CHANGES FOR 100-BC-5 AND 100-FR-3 GROUNDWATER SAMPLING AND ANALYSIS PLANS	<a href="http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D4493327">http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D4493327</a>	Contains modifications to the sampling boundaries and matrix. Location maps are included. These pages are replacements for the 100-FR-3 SAP - DOE/RL-2003-49.	D	T	Y		No	No
110816		100-F	100-FR-3	2004 JAN	A TORTOSO, DC SMITH	MEETING MINUTES UNIT MANAGERS MEETING 100 AREA REMEDIAL ACTION UNIT SOURCE OU DECEMBER 4 2003	<a href="http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D4174013">http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D4174013</a>	This document briefly discusses the revegetation plan for 100-F Area and discusses aquifer tube replacements in 100-FR-3.	D	Z, E, T	Y	A	No	No
DOE/RL-2003-49		100-F	100-FR-3	2003 OCT	DOE-RL	100-FR-3 OU SAMPLING AND ANALYSIS PLAN	<a href="http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D3429575">http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D3429575</a>	This 2003 SAP continues long-term groundwater monitoring and extends the study of the effect that contamination at 100-FR-3 has had on the near-shore 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
PNNL-14444		100-F	100-FR-3	2003 OCT	MJ HARTMAN, RE PETERSON	AQUIFER SAMPLING TUBE RESULTS FOR	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D3253922">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D3253922</a>	This report presents and discusses results of the fiscal year 2003 sampling event associated with aquifer tubes along the Columbia River in the northern Hanford Site.	D, H, P	G, Z, E, T	Y, S	A	Yes	No

Table B1. Annotated Bibliography

Document #	REV./Draft/Vol.	Area	Operable Unit	Date	Authors/ Originator	Title	Link	Summary	Background Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
PNNL-14295-SUM		100-F	100-FR-3	2003 SEPT	GP OCONNOR,LF MORASCH,RW HANF,TM POSTON	SUMMARY OF HANFORD SITE ENVIRONMENTAL REPORT FOR CY 2002	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D2984227">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D2984227</a>	This booklet summarizes the Hanford Site Environmental Report for CY 2002. Methods of detection and cleanup are discussed.	D, H, P	G, Z, E, T	Y, S	A	Yes	Yes
DOE/RL-2003-49		100-F	100-FR-3	2003 SEPT	DOE-RL	100-FR-3 OU SAMPLING AND ANALYSIS PLAN	<a href="http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D3524065">http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D3524065</a>	The activities described in this plan identify two needs: to revise the boundaries of the 100-FR-3 OU to include an area that might contain information useful in assessing the migration of groundwater contamination, and to enhance the shoreline monitoring to determine the impact of residual contaminants coming from the 100-FR-3 OU.	D, H	G, Z, E, T	Y, S	A	No	No
107312		100-F	100-F	2003 APR	A TORTOSO,DC SMITH	MEETING MINUTES UNIT MANAGERS MEETING 100 AREA REMEDIAL ACTION AND WASTE DISPOSAL UNIT SOURCE OU MARCH 27 2003	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D1503270">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D1503270</a>	These minutes contain information pertaining to 100-F-1, 100-F-29, and 100-F-19 additions; a contaminants of potential concern (COPC) list is included.	D	G	Y		No	No
PNNL-14187		100-F	100-F	2002 SEPT	LF MORASCH,MJ HARTMAN,WD WEBBER	SUMMARY OF HANFORD SITE GROUNDWATER MONITORING FOR FY 2002	<a href="http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D2984289">http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D2984289</a>	This summarizes a more detailed report, <i>Hanford Site Groundwater Monitoring for Fiscal Year 2002</i> . It describes the highlights for FY 2002.	D, H	G, Z, E, T	Y, P	A	No	No

Table B1. Annotated Bibliography

Document #	REV./Draft/Vol.	Area	Operable Unit	Date	Authors/ Originator	Title	Link	Summary	Background Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
PNNL-13910		100-F	100-FR-3	2002 SEPT	LF MORASCH,RL DIRKES,RW HANF,TM POSTON	HANFORD SITE ENVIRONMENTAL REPORT FOR CY 2001	<a href="http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D3048254">http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D3048254</a>	Reports, studies, and papers for CY 2001.	D, H	G, Z, E, T	Y, S, P	A, M	Yes	Yes
PNNL-13788		100-F	100-FR-3	2002 MAR	LF MORASCH, MJ HARTMAN, WD WEBBER	HANFORD SITE GROUNDWATER MONITORING FOR FY 2001 [SECTION 2 OF 2]	<a href="http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D2740450">http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D2740450</a>	This report briefly discusses the location of the 100-FR-3 Area, and contains a plume map of I-129 for 2001.	D	T	Y		No	No
PNNL-14111		100-F	100-FR-3	2002 NOV	MJ HARTMAN	FY 2003 INTEGRATED MONITORING PLAN FOR HANFORD GROUNDWATER MONITORING PROJECT	<a href="http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D9192290">http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D9192290</a>	This report shows the sampling locations and discusses monitoring for CY 2003.	D, H, P	T	Y, P		No	No
BHI-01494		100-F	100-FR-3	2001 JUN	RF RAIDL	AQUIFER SAMPLING TUBE DATA SUMMARY FALL 2000	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D8796866">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D8796866</a>	This report summarizes the fall 2000 aquifer sampling tube results, compares the results to previous results, and relates the information to published descriptions of groundwater plumes.	D, H	G, Z	Y, P	A	No	No

Table B1. Annotated Bibliography

Document #	REV./Draft/Vol.	Area	Operable Unit	Date	Authors/ Originator	Title	Link	Summary	Background Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
01-ERD-011		100-F	100-FR-3	2000 NOV	AC TORTOSO	FY 2001 AQUIFER TUBE SAMPLING DATA PROJECT MANAGER MEETING MINUTES OCTOBER 2000	<a href="http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D8532456">http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D8532456</a>	This document contains 100-FR-3 aquifer tube and seep list. It also contains sampling methods.	D	Z	Y, S		No	No
83363		100-F	100-FR-3	2000 OCT	AC TORTOSO	FY 2001 AQUIFER TUBE SAMPLING	<a href="http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D8509977">http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D8509977</a>	This document lists sites, contaminants of concern (COCs) to be sampled, and a brief description of the area.	D	Z	Y, S		No	No
DOE/RL-2000-59		100-F	100-FR-3	2000 OCT	DOE-RL	SAMPLING AND ANALYSIS PLAN FOR AQUIFER SAMPLING TUBES	<a href="http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D8510131">http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D8510131</a>	This document lists sites, COCs to be sampled, map of aquifer tube locations (2000), and a brief description of the area.	D	T	Y, S	A	No	No
PNNL-13327		100-F	100-FR-3	2000 SEPT	MD SWEENEY	GROUNDWATER SAMPLING AND ANALYSIS PLAN FOR 100-FR-3 OU	<a href="http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D1659970">http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D1659970</a>	This plan describes the well network, constituents analyzed, sampling protocol and reporting, and quality assurance requirements.	D, H	Z, T	Y, S		No	No

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Document #	REV./Draft/Vol.	Area	Operable Unit	Date	Authors/ Originator	Title	Link	Summary	Background Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
PNNL-13116		100-F	100-FR-3	2000 MAR	LF MORASCH, MJ HARTMAN, WD WEBBER	HANFORD SITE GROUNDWATER MONITORING FOR FY 1999 [SECTION 1 OF 2]	<a href="http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D2736610">http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D2736610</a>	This document lists monitoring sites, COCs sampled and results for each found, and a brief description of the area.	D, H, P	G, Z, T	Y, S	A	Yes	No
PNNL-13116		100-F	100-FR-3	2000 MAR	LF MORASCH, MJ HARTMAN, WD WEBBER	HANFORD SITE GROUNDWATER MONITORING FOR FY 1999 [SECTION 2 OF 2]	<a href="http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D2736978">http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D2736978</a>	This report briefly discusses the location of the 100-FR-3 Area.	D	T	Y		No	No
PNNL-13080		100-F	100-FR-1; 100-FR-2; 100-FR-3	2000 FEB	MJ HARTMAN, PNNL	HANFORD SITE GROUNDWATER MONITORING SETTING SOURCES AND METHODS	<a href="http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D2760032">http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D2760032</a>	This report describes groundwater monitoring requirements, site hydrogeology, waste sites, and methods for sampling; and analysis and interpretation are summarized. Vadose zone monitoring methods and statistical methods are described. This companion volume contains background information for the annual reports.	D, H, P	G, Z, E, T	Y, S	A	No	NO
74177		100-F	100-FR-3	1999 OCT	RD HILDEBRAND	REQUESTED TRITIUM DATA AND MAPS FROM JUDIT GERMAN-HEINS	<a href="http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D199159235">http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D199159235</a>	Drawings, maps, diagrams, and charts of the tritium plumes for 1998 and before.	D	Z, T	Y		No	NO

Table B1. Annotated Bibliography

Document #	REV./Draft/Vol.	Area	Operable Unit	Date	Authors/ Originator	Title	Link	Summary	Background Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
PNNL-13021		100-F	100-FR-1; 100-FR-2; 100-FR-3	1999 SEPT	DR NEWCOMER,JP MCDONALD,MA CHAMNESS	WATER LEVEL MONITORING PLAN FOR HANFORD GROUNDWATER MONITORING PROJECT	<a href="http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D2760519">http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D2760519</a>	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
72176		100-F	100-FR-1; 100-FR-2; 100-FR-3	1999 AUG	RD HILDEBRAND	RECOMMENDATIONS FOR SELECTION OF SITE WIDE GROUNDWATER MODEL AT HANFORD SITE AUGUST 1999	<a href="http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D199157935">http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D199157935</a>	This report summarizes the recommendations for a site-wide groundwater model based on the most current hydrogeologic conceptual model of the aquifer system at Hanford. It includes the needs and requirements, an overview of the proposed model, and a summary of technical concerns and issues.	D	G, Z, T	Y, P	A, M	Yes	Yes
PNNL-11989		100-F	100-FR-1; 100-FR-2; 100-FR-3	1999 SEPT	DR NEWCOMER,EC THORNTON,MJ HARTMAN,PE DRESEL	INTEGRATED MONITORING PLAN FOR HANFORD GROUNDWATER MONITORING PROJECT	<a href="http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D2756668">http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D2756668</a>	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
Accession Number: D199158735	Final Draft	100-F	100-FR-1; 100-FR-2; 100-FR-3	1999 JUL	DOE-RL	RISK IMPACT TECHNICAL REPORT FOR HANFORD GROUNDWATER VADOSE ZONE INTEGRATION PROJECT FINAL DRAFT	<a href="http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D199158735">http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D199158735</a>	This report refers to 100-F tritium plumes; it generally addresses assessing risks and impacts, focusing on technical risk and impact assessment issues for the Hanford site.	D, H	Z, T	Y, S, P	A, M	Yes	No

Table B1. Annotated Bibliography

Document #	REV./Draft/Vol.	Area	Operable Unit	Date	Authors/ Originator	Title	Link	Summary	Background Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
BHI-01153		100-F	100-FR-1; 100-FR-2; 100-FR-3	1998 FEB	DB ERB,JV BORGHESE,RE PETERSON	AQUIFER SAMPLING TUBE COMPLETION REPORT 100 AREA AND HANFORD TOWNSITE SHORELINES	<a href="http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D198103289">http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D198103289</a>	This report summarizes the installation and sampling activities of the work performed in the fall of 1997, including 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	Z, T	Y	A	No	No
C-96-05		100-F	100-FR-3	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	<a href="http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D197189333">http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D197189333</a>	This document revises the 100-FR-3 OU boundaries to include groundwater under 100-IU-2 and 100-IU-5.	D	T			No	No
BHI-00917		100-F	100-FR-1; 100-FR-2; 100-FR-3; 100-IU-2	1996 SEPT	RE PETERSON	CONCEPTUAL SITE MODELS FOR GROUNDWATER CONTAMINATION AT 100-BC-5 100-KR-4 100-HR-3 AND 100-FR-3 OU	<a href="http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D197142704">http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D197142704</a>	This document 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 will be used in the future to guide performance monitoring.	D, H, P	G, Z, C, E, T	Y, S, X, P	A, M	Yes	Yes
DOE/RL-95-99		100-F	100-FR-3	1996 APR	DOE-RL	100-FR-3 GROUNDWATER SOIL GAS SUPPLEMENTAL LIMITED FIELD INVESTIGATION REPORT	<a href="http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D197188949">http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D197188949</a>	This report summarizes the activities and results of the groundwater/soil gas supplemental limited field investigation (LFI) for the 100-FR-3 OU. It assesses the lateral distribution of trichloroethene (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

Table B1. Annotated Bibliography

Document #	REV./Draft/Vol.	Area	Operable Unit	Date	Authors/ Originator	Title	Link	Summary	Background Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
BHI-00557		100-F	100-FR-3	1996 MAR	BHI	DATA VALIDATION SUMMARY REPORT FOR 100-FR-3 OU ROUND EIGHT GROUNDWATER	<a href="http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D196099370">http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D196099370</a>	This report contains data from the chemical and radiochemical analyses of samples from the 100-FR-3 OU Groundwater Round 8. This report is broken down into sections for volatile organic, metals, general chemistry, and radiochemical analyses.	D	G, Z	Y	A	No	No
27504		100-F	100-FR-3	1996 FEB	DL POWAUKEE	COMMENTS ON 100-FR-3 OU FOCUSED FEASIBILITY STUDY REPORT DOE/RL 94-58 DRAFT B	<a href="http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D196042507">http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D196042507</a>	Specific comments on the 100-FR-3 OU Focused Feasibility Study Report; DOE/RL-94-58, Draft B from the Nez Perce.	D	T	Y		No	No
DOE/RL-94-58	Draft B	100-F	100-FR-3	1995 DEC	DOE/RL	100-FR-3 OU FOCUSED FEASIBILITY STUDY REPORT	<a href="http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D196003905">http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D196003905</a>	This study 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, Vol. 1	100 AREA	100 AREA	1995 JUN	DOE/RL	100 AREA SOURCE OU FOCUSED FEASIBILITY STUDY [SECTION 1 OF 2]	<a href="http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D196015921">http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D196015921</a>	This focused feasibility study (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

Table B1. Annotated Bibliography

Document #	REV./Draft/Vol.	Area	Operable Unit	Date	Authors/ Originator	Title	Link	Summary	Background Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
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]	<a href="http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D196016522">http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D196016522</a>	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
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	<a href="http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D196029355">http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D196029355</a>	Contains a table of waste sites located in 100-FR-2 OU.	D	G	Y		No	No
PNL-10195		HANFORD SITE	HANFORD SITE	1994 NOV	PD THORNE	THREE DIMENSIONAL CONCEPTUAL MODEL FOR HANFORD SITE UNCONFINED AQUIFER SYSTEM FY 1994 STATUS REPORT	<a href="http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D199061222">http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D199061222</a>	This report 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
BHI-00056		100-F	100-FR-3	1994 SEPT	ID JACQUES	100-FR-3 SOIL GAS SURVEY DESCRIPTION OF WORK	<a href="http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D196055368">http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D196055368</a>	This document specifies the activities and procedures used to conduct a soil-gas survey to assess the lateral distribution of TCE associated with the groundwater of the 100-FR-3 OU.	D, H	T	Y		No	Yes

Table B1. Annotated Bibliography

Document #	REV./Draft/Vol.	Area	Operable Unit	Date	Authors/ Originator	Title	Link	Summary	Background Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
BHI-00028		100 AREA	100 AREA	1994 AUG	JG FIELD,RD BELDEN	100 AREA PILOT SCALE SOIL WASHING TEST ALTERNATIVES AND RECOMMENDATIONS	<a href="http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D196065370">http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D196065370</a>	This study documents issues and assesses alternatives associated with the 100 Area soil-washing treatability studies.	D, H	G, T	Y, S	A	No	Yes
SD-EN-TI-268		100-F	100-FR-1; 100-FR-2; 100-FR-3	1994 JUNE	JG FIELD	100 AREA SOIL WASHING BENCH SCALE TESTS	<a href="http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D196076370">http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D196076370</a>	A soil washing treatability study was conducted on a soil sample from the 100-F Area and the results obtained are the subject of this report.	D	G	Y, S	A, M	Yes	Yes
SD-EN-TI-278		HANFORD SITE	HANFORD SITE	1994 JUL	PJ VALCICH	COLUMBIA RIVER EFFLUENT PIPELINE SURVEY	<a href="http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D196074913">http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D196074913</a>	This report presents the results of a comprehensive marine geophysical survey conducted in the Columbia River near the Hanford Reservation. 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
DOE/RL-93-83		100-F	100-FR-3	1994 APR	DOE-RL	LIMITED FIELD INVESTIGATION REPORT FOR 100-FR-3 OU	<a href="http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D196084471">http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D196084471</a>	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 qualitative risk assessment (QRA).	D, H, P	G, Z, T	Y, S	A, M	Yes	Yes

Table B1. Annotated Bibliography

Document #	REV./Draft/Vol.	Area	Operable Unit	Date	Authors/ Originator	Title	Link	Summary	Background Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
WHC-EP-0510		100 AREA	100 AREA	1994 FEB	RE FITZNER,SG WEISS	BALD EAGLE SITE MANAGEMENT PLAN FOR HANFORD SITE SOUTH CENTRAL WASHINGTON	<a href="http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D196015404">http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D196015404</a>	This Bald Eagle Site Management Plan (BESMP) is prepared to provide background material about eagle use of the Hanford Site. It discusses recent regulations by Washington State to protect eagles, describes eagle biology, and outlines activities to manage eagle use of the Site.	D, H	G, Z, T, E, C	S	A	Yes	Yes
SD-EN-TI-216		100 AREA 200 AREA	100 AREA 200 AREA	1994 JAN	JA STEGEN	VEGETATION COMMUNITIES ASSOCIATED WITH 100 AREA AND 200 AREA FACILITIES ON HANFORD SITE	<a href="http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D196101081">http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D196101081</a>	This study determines the plant communities and estimates vegetation cover in and adjacent to the 100 and 200 areas.	D, H	E, T	Y		No	No
Accession Number: D196105803		100-F	100-FR-1; 100-FR-2; 100-FR-3	1993 NOV	ED GOLLER	MEETING MINUTES UNIT MANAGERS MEETING 100 AGGREGATE AREA 100 AREA OU SEPTEMBER 29 1993	<a href="http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D196105803">http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D196105803</a>	This document contains a map of the monitoring sites of 100-F.	D	T	Y		No	No
DOE/RL-92-11, PAGE CHANGES	Draft B	100 AREA	100 ARE	1993 NOV	DOE-RL	100 AREA FEASIBILITY STUDY PHASE I AND II PAGE CHANGES TO DRAFT B	<a href="http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D196093855">http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D196093855</a>	This document has all of the changes for the 100 Area Feasibility Study: Draft B	D, H	G, Z, T	Y, H	A	Yes	Yes

Table B1. Annotated Bibliography

Document #	REV./Draft/Vol.	Area	Operable Unit	Date	Authors/ Originator	Title	Link	Summary	Background Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
SD-EN-TC-004		100 AREA	100 AREA	1993 SEPT	D BLUMENKRANZ, J FRAIN	100 AREA EXCAVATION TREATABILITY TEST PROCEDURES	<a href="http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D196114513">http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D196114513</a>	This Quality Assurance Project Plan (QAPP) describes the quality assurance (QA) requirements that support the 100 Area Excavation Treatability Study characterization activities. This QAPP presents the objectives, organizations, functional activities, procedures, and specific QA and quality control (QC) protocols associated with these activities.	D, H	G, Z	Y	A	Yes	Yes
PNL-8789		100-F	100-FR-1; 100-FR-2; 100-FR-3	1993 SEPT	AT COOPER,RK WOODRUFF	INVESTIGATION OF EXPOSURE RATES AND RADIONUCLIDE AND TRACE METAL DISTRIBUTIONS ALONG HANFORD REACH OF COLUMBIA RIVER	<a href="http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D196084641">http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D196084641</a>	This survey consisted of taking exposure rate measurements and soil samples primarily at locations known or expected to have elevated exposure rates. This article discusses the elevated trace metal (i.e., chromium) found near the 100-F floodplain area.	D	G, Z	Y, S	A	Yes	Yes
9304743		100-F	100-FR-3	1993 JUN	SH WISNESS	VALIDATED DATA FOR 100-FR-3 OU LIMITED FIELD INVESTIGATION VALIDATED SOIL SAMPLE LABORATORY ANALYSIS	<a href="http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D196105879">http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D196105879</a>	Document contains a map of 100-FR-3 well locations.	D	T	Y		No	No
DOE/RL-92-28		100-F	100-FR-1; 100-FR-2; 100-FR-3	1993 JUN	DOE-RL	COLUMBIA RIVER IMPACT EVALUATION PLAN	<a href="http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D196130965">http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D196130965</a>	This document satisfies Milestone M-30-02, which is: "Submit a plan to EPA [U.S. Environmental Protection Agency] and Ecology [Washington State Department of Ecology] to determine cumulative health and environmental impacts to the Columbia River."	D, H, P	G, Z, E, T	Y, S, X	A, M	Yes	Yes

Table B1. Annotated Bibliography

Document #	REV./Draft/Vol.	Area	Operable Unit	Date	Authors/ Originator	Title	Link	Summary	Background Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
DOE/RL-93-04		100 AREA	100 AREA	1993 MAY	DOE-RL	100 AREA EXCAVATION TREATABILITY TEST PLAN	<a href="http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D196136746">http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D196136746</a>	This test plan 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.	D, H	G, Z, T	Y	A, M	Yes	Yes
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	<a href="http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D196128354">http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D196128354</a>	This document provides guidance, manuals, policies, and procedures for soil washing in the 100 Area. Analysis equations are described.	D	G	Y	A	No	No
DOE/RL-92-28	Draft B	100 AREA	100 AREA	1993 JAN	DOE-RL	COLUMBIA RIVER IMPACT EVALUATION PLAN	<a href="http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D196121974">http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D196121974</a>	This report defines contaminants found in 100 Area river sediments, islands, river banks, and associated biota. It extends both upstream and downstream and evaluates existing land and water use conditions.	D, H, P	G, Z, E, T	Y, S, X	A	Yes	Yes
WHC-EP-0609		100 AREA	100 AREA	1992 DEC	RE PETERSON, VG JOHNSON	RIVERBANK SEEPAGE OF GROUNDWATER ALONG 100 AREA SHORELINE	<a href="http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D196124079">http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D196124079</a>	This report 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

Table B1. Annotated Bibliography

Document #	REV./Draft/Vol.	Area	Operable Unit	Date	Authors/ Originator	Title	Link	Summary	Background Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
SD-EN-TI-221		100-F	100-FR-3	1994 JAN	RF RAIDL	GEOLOGY OF 100-FR-3 OU HANFORD SITE SOUTH CENTRAL WASHINGTON	<a href="http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D196098540">http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D196098540</a>	This report 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
PNL-8332		HANFORD SITE	HANFORD SITE	1992 NOV	PD THORNE	STATUS REPORT ON DEVELOPMENT OF THREE DIMENSIONAL CONCEPTUAL MODEL FOR HANFORD SITE UNCONFINED AQUIFER SYSTEM	<a href="http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D199061224">http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D199061224</a>	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	DR NEWCOMER,PD THORNE	SUMMARY AND EVALUATION OF AVAILALBE HYDRAULIC PROPERTY DATA FOR HANFORD SITE UNCONFINED AQUIFER SYSTEM	<a href="http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D199061221">http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D199061221</a>	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
DOE/RL-91-53		100-F	100-FR-2; 100-FR-3	1992 SEPT	DOE-RL	REMEDIAL INVESTIGATION FEASIBILITY STUDY WORK PLAN FOR 100-FR-3 OU	<a href="http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D196110847">http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D196110847</a>	This work plan 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

Table B1. Annotated Bibliography

Document #	REV./Draft/Vol.	Area	Operable Unit	Date	Authors/ Originator	Title	Link	Summary	Background Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
PNL-8143		100 AREA	100 AREA	1992 SEPT	JC CHATTERS	FY 1991 REPORT ON ARCHAEOLOGICAL SURVEYS OF 100 AREAS	<a href="http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D196109574">http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D196109574</a>	This document identifies archaeological, historical, or culturally sensitive areas. It includes a literature survey and interviews with local Native American tribes.	D, H	G, E, T			No	No
SD-EN-AP-089		100-F	100-FR-3	1992 JUN	JW ROBERTS	DESCRIPTION OF WORK FOR 100-FR-3 GROUNDWATER OU	<a href="http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D196103622">http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D196103622</a>	This document contains sampling protocols and a map with sampling locations at 100-FR-3 Area.	D	T	Y	A	No	No
DOE/RL-92-28		HANFORD SITE	HANFORD SITE	1992 JUN	DOE-RL	COLUMBIA RIVER IMPACT EVALUATION PLAN	<a href="http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D196102620">http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D196102620</a>	This report is a plan to evaluate the impact to the Columbia River from contaminated springs and seeps.	D, H	Z, T	Y, S	A, M	Yes	No
SD-EN-AP-089		100-F	100-FR-3	1992 JUN	JW ROBERTS	DESCRIPTION OF WORK FOR 100-FR-3 GROUNDWATER OU	<a href="http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D196100207">http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D196100207</a>	This description of work details the field activities associated with cable tool drilling of groundwater wells in the 100-F-3 OU, and serves as a field guide. Existing and proposed well locations are shown.	D	T	Y	A	No	No

Table B1. Annotated Bibliography

Document #	REV./Draft/Vol.	Area	Operable Unit	Date	Authors/ Originator	Title	Link	Summary	Background Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
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 100-FR-3 OU	<a href="http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D196095891">http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D196095891</a>	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
WHC-EP-0258-2		100 AREA	100 AREA	1992 MAY	CJ PERKINS, WHC	WHC ENVIRONMENTAL SURVEILLANCE ANNUAL REPORT 100 AREA	<a href="http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D196100478">http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D196100478</a>	At the retired 100 Areas, vegetation and surface soil samples were collected and analyzed. The results are provided in this report.	D	E	Y	A	No	No
SD-EN-TI-011		100 AREA	100 AREA	1992 MAR	KA LINDSEY	GEOLOGY OF NORTHERN PART OF HANFORD SITE OUTLINE OF DATA SOURCES AND GEOLOGIC SETTING OF 100 AREAS	<a href="http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D196090817">http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D196090817</a>	This report 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-006		100 AREA	100 AREA	1992 MAR	RE PETERSON	HYDROLOGIC AND GEOLOGIC DATA AVAILABLE FOR REGION NORTH OF GABLE MOUNTAIN	<a href="http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D196090833">http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D196090833</a>	This document presents a catalog of hydrologic and geologic data that are currently available for the northern portion of the Hanford Site.	D	G, Z	y	A	No	No

Table B1. Annotated Bibliography

Document #	REV./Draft/Vol.	Area	Operable Unit	Date	Authors/ Originator	Title	Link	Summary	Background Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
DOE/RL-92-12		100 AREA	100 AREA	1992 FEB	DOE-RL	SAMPLING AND ANALYSIS OF 100 AREA SPRINGS	<a href="http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D196090827">http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D196090827</a>	This study ascertains the concentrations of chemical and radiological constituents discharged through springs into the Columbia River.	D, H	G, Z, T	Y, S	A	Yes	No
DOE/RL-91-53	Draft A	100-F	100-FR-3	1991 NOV	DOE-RL	REMEDIAL INVESTIGATION FEASIBILITY STUDY WORK PLAN FOR 100-FR-3 OU	<a href="http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D196081744">http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D196081744</a>	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
SD-EN-SAD-002		100 AREA	100 AREA	1991 SEPT	WE TAYLOR	100 AREA LOW HAZARD CHARACTERIZATION ACTIVITIES SAFETY ASSESSMENT	<a href="http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D196078231">http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D196078231</a>	This safety assessment records the hazards and operational limitations at 100 Area, to assure safe operation of the characterization activities associated with the 100 Area operable unit and isolated unit waste sites.	D, H	G, Z,	Y, S	A	Yes	No
UNI-3714		HANFORD SITE	HANFORD SITE	1987 APR	JM STEFFES, RL MILLER	RADIONUCLIDE INVENTORY AND SOURCE TERMS FOR SURPLUS PRODUCTION REACTORS AT HANFORD	<a href="http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D196008078">http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D196008078</a>	This document 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

Table B1. Annotated Bibliography

Document #	REV./Draft/Vol.	Area	Operable Unit	Date	Authors/ Originator	Title	Link	Summary	Background Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
SD-EN-RA-012		100-F	100-FR-3	1994 APR	SE VUKELICH	QUALITATIVE RISK ASSESSMENT FOR 100-FR-3 GROUNDWATER OU	<a href="http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D196084470">http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D196084470</a>	This report provides the QRA for the 100-FR-3 groundwater OU. It is an evaluation of risk using a limited amount of data and predefined human and environmental exposure scenarios.	D, H	G, Z	Y, S	A	Yes	No
CVP-2001-00011		100-FR-1	100-F-2	2002 APR	Bechtel Hanford/ U.S. DOE	CLEANUP VERIFICATION PACKAGE FOR UPR-100-F-2 BASIN LEAK DITCH	<a href="http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D9061468">http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D9061468</a>	This report documents that the UPR-100-F-2 Site was remediated according to the preferred remedy specified in the ROD (EPA 1995)	D, H	G, Z, T	Y, S, X	A	Yes	Yes
PNNL-13788		HANFORD SITE	HANFORD SITE	2002 MAR	LF MORASCH,MJ HARTMAN,WD WEBBER	HANFORD SITE GROUNDWATER MONITORING FOR FY 2001 [SECTION 2 OF 2]	<a href="http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D2740450">http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D2740450</a>	This summary document section illustrates the I-129 plume of 2001	D	T	Y, S, P	A, M	Yes	Yes
PNNL-13788-SUM		HANFORD SITE	HANFORD SITE	2002 MAR	LF MORASCH,MJ HARTMAN,WD WEBBER	SUMMARY OF HANFORD SITE GROUNDWATER MONITORING FY 2001	<a href="http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D9161420">http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D9161420</a>	This summary booklet briefly (1) describes the highlights for fiscal year 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

Table B1. Annotated Bibliography

Document #	REV./Draft/Vol.	Area	Operable Unit	Date	Authors/ Originator	Title	Link	Summary	Background Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
2001-095		100-F	100-FR-1	2002 FEB	Mark Buckmaster	WASTE SITE RECLASSIFICATION FORM 100-FR-1 100-F-40 ANIMAL FARM SURFACE IMPOUNDMENT	<a href="http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D9003807">http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D9003807</a>	This document verifies that 100-F-40 received uncontaminated liquid and can be rejected with the Waste Information Data System (WIDS).	D, H	T	Y	A	Yes	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	<a href="http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D9003799">http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D9003799</a>	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
02-ERD-029		100-F	116-F-1	2001 DEC	Owen C. Robertson	WASTE SITE REMEDIATION AT 100-F AREA HANFORD SITE	<a href="http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D8930475">http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D8930475</a>	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
CVP-2001-00006		100-F	100-FR-1; 116-F-4	2001 NOV	BHI	CLEANUP VERIFICATION PACKAGE FOR 116-F-4 PLUTO CRIB	<a href="http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D8930444">http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D8930444</a>	This cleanup verification package (CVP) documents 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

Table B1. Annotated Bibliography

Document #	REV./Draft/Vol.	Area	Operable Unit	Date	Authors/ Originator	Title	Link	Summary	Background Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
CVP-2001-00010		100-F	100-FR-1; 1607-F6	2001 NOV	BHI	CLEANUP VERIFICATION PACKAGE FOR 1607-F6 SEPTIC SYSTEM AND PIPELINES	<a href="http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D8930454">http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D8930454</a>	This CVP documents that the 1607-F6 Septic System and Pipelines site was remediated with the preferred remedy specified in the Remaining Sites ROD (EPA 1999).	D, H	G	Y, S	A, M	Yes	Yes
BHI-01494		100-F	100-FR-3	2001 JUN	RF RAIDL	AQUIFER SAMPLING TUBE DATA SUMMARY FALL 2000	<a href="http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D8796866">http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D8796866</a>	This report summarizes the aquifer sampling tube results for samples collected along the Columbia River shoreline in the fall of 2000. This data report describes the sampling methods, the results of sampling activities, a comparison of the results to the fall 2000 groundwater plume, and recommendations for data evaluation and future use of aquifer sampling tubes.	D, H	Z, T	Y, S	A, M	No	No
01-ERD-084		100-F	UPR 100-F-2	2001 MAY	OC ROBERTSON	NEAR SHORE WASTE SITE REMEDIATION AT 100-F AREA HANFORD SITE	<a href="http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D8787262">http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D8787262</a>	This letter describes the UPR-100-F-2 excavation near the Columbia River.	D	T			No	No
CVP-2001-00007		100-F	100-FR-1; 116-F-5	2001 APR	BHI	CLEANUP VERIFICATION PACKAGE FOR 116-F-5 BALL WASHER CRIB	<a href="http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D5627222">http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D5627222</a>	This CVP documents 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

Table B1. Annotated Bibliography

Document #	REV./Draft/Vol.	Area	Operable Unit	Date	Authors/ Originator	Title	Link	Summary	Background Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
83363		100-F	100-FR-3	2000 OCT	AC TORTOSO	FY 2001 AQUIFER TUBE SAMPLING	<a href="http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D8509977">http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D8509977</a>	Attachment D: 100-FR-3 Groundwater Well, Aquifer Sampling Tube and Seep List from the WCP.	D	Z, T	Y		No	No
DOE/RL-2000-59		100-F	100-FR-3; 100-IU-2; 100-IU-6	2000 OCT	DOE-RL	SAMPLING AND ANALYSIS PLAN FOR AQUIFER SAMPLING TUBES	<a href="http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D8510131">http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D8510131</a>	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 specific sampling locations are documented.	D, H	Z, T	C	A	No	No
PNNL-13327		100-F	100-FR-3	2000 SEPT	MD SWEENEY	GROUNDWATER SAMPLING AND ANALYSIS PLAN FOR 100-FR-3 OU	<a href="http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D1659970">http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D1659970</a>	This plan describes the well network, constituents analyzed, sampling protocol, and reporting and QA requirements.	D, H, P	Z, T	Y, S	A	No	No
D8453142		100-F	100-FR-2; 100-F-20	2000 SEPT	CE FINDLEY, K KLEIN, MA 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	<a href="http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D8453142">http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D8453142</a>	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

Table B1. Annotated Bibliography

Document #	REV./Draft/Vol.	Area	Operable Unit	Date	Authors/ Originator	Title	Link	Summary	Background Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
DOE\RL-99-58		100-F	100-FR-1; 100-FR-2	2000 SEPT	DOE-RL	SAMPLING AND ANALYSIS PLAN FOR 100 AREA REMAINING SITES	<a href="http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D8501259">http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D8501259</a>	This SAP presents the rationale and strategy for the sampling and analysis activities that support the clean site confirmation of candidate sites.	D, H	G, Z, T	Y, S	A, M	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	<a href="http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D8317795">http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D8317795</a>	This Proposed Plan 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-98-37		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 BUILDING	<a href="http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D8374470">http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D8374470</a>	This document 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
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	<a href="http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D8299916">http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D8299916</a>	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

Table B1. Annotated Bibliography

Document #	REV./Draft/Vol.	Area	Operable Unit	Date	Authors/ Originator	Title	Link	Summary	Background Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
PNNL-13116	Section 1 of 2	HANFORD SITE	HANFORD SITE	2000 MAR	LF MORASCH,MJ HARTMAN,WD WEBBER	HANFORD SITE GROUNDWATER MONITORING FOR FY 1999 [SECTION 1 OF 2]	<a href="http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D2736610">http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D2736610</a>	This report resents the results of groundwater and vadose zone monitoring and remediation for fiscal year 1999.	D, H	G, T	Y, S, P	A	No	No
PNNL-13116	Section 2 of 2	100-F	100-FR-1; 100- FR-2; 100-FR- 3	2000 MAR	LF MORASCH,MJ HARTMAN,WD WEBBER	HANFORD SITE GROUNDWATER MONITORING FOR FY 1999 [SECTION 2 OF 2]	<a href="http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D2736978">http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D2736978</a>	This section only briefly mentions 100-F Area constituents.			Y		No	No
PNNL-13080		HANFORD SITE	HANFORD SITE	2000 FEB	Ni J. Hartman	HANFORD SITE GROUNDWATER MONITORING SETTING SOURCES AND METHODS	<a href="http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D2760032">http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D2760032</a>	This report is a 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
DOE/RL-2000-02	Draft A	100-F	105-F	2000 FEB	DOE-RL	CHARACTERIZATION PLAN FOR 105-F PHASE IV STAGE ONE FUEL STORAGE BASIN	<a href="http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D8415390">http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D8415390</a>	This characterization plan 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

Table B1. Annotated Bibliography

Document #	REV./Draft/Vol.	Area	Operable Unit	Date	Authors/ Originator	Title	Link	Summary	Background Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
DOE/RL-99-35	Rev. 1	100-F	100-FR-1; 105-F	2000 JAN	DOE-RL	SAMPLING AND ANALYSIS PLAN FOR 105-F AND 105-DR PHASE III BELOW GRADE STRUCTURES AND UNDERLYING SOILS	<a href="http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D8415398">http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D8415398</a>	This SAP 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
74177		HANFORD SITE	HANFORD SITE	1999 OCT	RD HILDEBRAND	REQUESTED TRITIUM DATA AND MAPS FROM JUDIT GERMAN-HEINS	<a href="http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D199159235">http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D199159235</a>	This document contains tritium plume maps from 1962 to 1998.	D	T	Y		No	No
PNNL-13021		100-F	100-FR-3	1999 SEPT	DR NEWCOMER,JP MCDONALD,MA CHAMNESS	WATER LEVEL MONITORING PLAN FOR HANFORD GROUNDWATER MONITORING PROJECT	<a href="http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D2760519">http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D2760519</a>	This document presents the water-level monitoring plan for the Hanford Groundwater Monitoring Project. It includes the techniques used to collect water-level data, along with the factors that affect the quality of the data; well networks; and the criteria used to select wells.	D, H	Z, T	C, S, P	A, M	Yes	Yes
72176		100-F	100-FR-3	1999 AUG	RD HILDEBRAND	RECOMMENDATIONS FOR SELECTION OF SITE WIDE GROUNDWATER MODEL AT HANFORD SITE AUGUST 1999	<a href="http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D199157935">http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D199157935</a>	This reports documents the overall recommendations being made for selection of the Sitewide groundwater model in the initial phase of the consolidation process.	D	G, Z, T	Y	A, M	Yes	Yes

Table B1. Annotated Bibliography

Document #	REV./Draft/Vol.	Area	Operable Unit	Date	Authors/ Originator	Title	Link	Summary	Background Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
D199158735		100-F	100-FR-3	1999 JUL	DOE-RL	RISK IMPACT TECHNICAL REPORT FOR HANFORD GROUNDWATER VADOSE ZONE INTEGRATION PROJECT FINAL DRAFT	<a href="http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D199158735">http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D199158735</a>	This report 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
D199153689		100-F	100-FR-1; 100-FR-2; 100-FR-3; 100-IU-2	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	<a href="http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D199153689">http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D199153689</a>	This ROD presents the selected interim remedial actions for portions of the Hanford 100 Area, 100 Area reactor waste, and portions of the 200 Area.	D, H	G, Z, E	Y, S	A	Yes	Yes
DOE/RL-98-18		100 AREA	100 AREA	1999 FEB	DOE-RL	100 AREA BURIAL GROUND FOCUSED FEASIBILITY STUDY	<a href="http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D199146236">http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D199146236</a>	This document provides the results of a FFS that was conducted to evaluate alternatives for the remediation of 45 burial grounds located in the 100 Area of the Hanford Site.	D, H, P	G, Z, T	Y, S	A, M	Yes	Yes
DOE/RL-97-83		100 AREA	100 AREA	1998 OCT	DOE-RL	PROPOSED PLAN FOR INTERIM REMEDIAL ACTIONS AT 100 AREA REMAINING SITES	<a href="http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D198209197">http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D198209197</a>	This plan identifies the preferred alternative for interim remedial actions and corrective actions at waste sites and solid waste management units at the Hanford Site.	D, H	G, Z, E	Y, S	A	Yes	Yes

Table B1. Annotated Bibliography

Document #	REV./Draft/Vol.	Area	Operable Unit	Date	Authors/ Originator	Title	Link	Summary	Background Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
9304L154-WES-1133	Appendix D; Rev.0	100 AREA	100 AREA	1998 OCT	DOE-RL	REMEDY SELECTION PROCESS FOR REMAINING SOURCE OU WASTE SITES	<a href="http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D198209199">http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D198209199</a>	This document is an appendix to the <i>100 Area Source Operable Unit Focused Feasibility Study</i> (Process Document) (DOE-RL 1995a). It focuses on all 100 Area source operable unit waste sites not previously addressed in the 1995 ROD (EPA 1995), in the 1997 ROD Amendment (EPA 1997a), or as proximity sites.	D	G, Z, T	y	A	Yes	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	<a href="http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D198178907">http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D198178907</a>	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
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	<a href="http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D198153038">http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D198153038</a>	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 of the Hanford Site.	D, H, P	G, Z, T	Y, S	A	No	Yes
9212L066-WES-1000	1998 Draft	100-F	100-FR-3; 105-F	1998 JUN	DOE-RL	PRELIMINARY DRAFT RECOMMENDATIONS FOR CONSOLIDATION OF SITE WIDE GROUNDWATER MODELING AT HANFORD SITE	<a href="http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D198174809">http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D198174809</a>	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

Table B1. Annotated Bibliography

Document #	REV./Draft/Vol.	Area	Operable Unit	Date	Authors/ Originator	Title	Link	Summary	Background Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
TRAC-0728		100-F	100-FR-1	1998 MAY	DOE-RL	ENGINEERING EVALUATION COST ANALYSIS FOR 105-DR AND 105-F REACTOR FACILITIES AND ANCILLARY FACILITIES	<a href="http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D198097718">http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D198097718</a>	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
9205976		100 AREA	100 AREA	1998 FEB	DB ERB, JV BORGHESE, RE PETERSON	AQUIFER SAMPLING TUBE COMPLETION REPORT 100 AREA AND HANFORD TOWNSITE SHORELINES	<a href="http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D198103289">http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D198103289</a>	This report summarizes the installation and sampling activities of the work performed in the fall of 1997, including the depths and locations where sampling tubes are installed, and the results of sampling activities.	D, H	G, Z, T	Y	A	No	Yes
84989-WES-722	Draft A	100 AREA	100 AREA	1997 NOV	DOE-RL	PROPOSED PLAN FOR INTERIM REMEDIAL ACTIONS AT 100 AREA REMAINING SITES	<a href="http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D198019232">http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D198019232</a>	This Proposed Plan identifies the preferred alternative for interim remedial actions at waste sites in the 100 Area of the Hanford Site.	D, H	G, T	Y, S	A	Yes	Yes
9203153		100-F	100-FR-1; 108-F	1997 APR	DOE-RL	REMEDIAL DESIGN REPORT FOR 108-F BIOLOGICAL LABORATORY	<a href="http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D197225312">http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D197225312</a>	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

Table B1. Annotated Bibliography

Document #	REV./Draft/Vol.	Area	Operable Unit	Date	Authors/ Originator	Title	Link	Summary	Background Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
SD-EN-TI-006		100-F	100-FR-3	1996 SEPT	R. E. Peterson, R. F. Raidl, C. W. Denslow	CONCEPTUAL SITE MODELS FOR GROUNDWATER CONTAMINATION AT 100-BC-5 100-KR-4 100-HR-3 AND 100-FR-3 OU	<a href="http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D197142704">http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D197142704</a>	This document presents technical information on groundwater contamination in the 100-BC-5, 100-FR-3, 100-HR-3, and 100-KR-4 groundwater OU on the Hanford Site. Site information has been assembled into CSMs.	D, H, T	G, Z, T	Y, P	A	Yes	Yes
WHC-SA-1447-S		100 AREA	100 AREA	1996 JUL	DOE-RL	100 AREA EXCAVATION TREATABILITY STUDY REPORT	<a href="http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D196154129">http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D196154129</a>	This test report 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 of the Hanford Site.	D, H	G, T	Y	A, M	No	No
DOE/RL-91-45	Rev. 0	100-F	100-FR-1, 108-F	1996 SEPT	RA HARRIS	FINAL CHARACTERIZATION REPORT FOR 108-F BIOLOGICAL LABORATORY	<a href="http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D197234610">http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D197234610</a>	This report is a 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-88-30		100-F	100-FR-1, 108-F	1996 JUL	RA HARRIS	DATA QUALITY OBJECTIVES TO SUPPORT PREPARATION OF SAMPLING AND ANALYSIS PLAN FOR 108-F BIOLOGICAL LABORATORY	<a href="http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D197234602">http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D197234602</a>	This document is a 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

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Document #	REV./Draft/Vol.	Area	Operable Unit	Date	Authors/ Originator	Title	Link	Summary	Background Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
9106086		100-F	100-FR-1, 108-F	1996 JUL	RA HARRIS	CHARACTERIZATION PLAN FOR 108-F BIOLOGICAL LABORATORY	<a href="http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D197234605">http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D197234605</a>	This characterization plan describes the sample collection and sample analysis activities to characterize the 108-F Biological Laboratory.	D, H		Y	A	No	No
9110L057-WES-161		HANFORD SITE	HANFORD SITE	1996 MAR	JA SERKOWSKI	GROUNDWATER MAPS OF HANFORD SITE JUNE 1995	<a href="http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D196083665">http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D196083665</a>	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
9103020		100-F	100-FR-3	1995 DEC	DOE-RL	100-FR-3 OU FOCUSED FEASIBILITY STUDY REPORT	<a href="http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D196003905">http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D196003905</a>	This FFS presents a detailed analysis of alternatives for an IRM in the 100-FR-3 OU, as recommended by the 100-FR-3 LFI and associated QRA.	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 FOR 100-FR-1 OU	<a href="http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D196005401">http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D196005401</a>	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

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Document #	REV./Draft/Vol.	Area	Operable Unit	Date	Authors/ Originator	Title	Link	Summary	Background Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
20041020		HANFORD SITE	HANFORD SITE	1995 SEPT	C. E. Cushing; DOE- RL	HANFORD SITE NEPA CHARACTERIZATION	<a href="http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D196042568">http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D196042568</a>	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
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	<a href="http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D196006750">http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D196006750</a>	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
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	<a href="http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D196006764">http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D196006764</a>	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
20030577		100-F	100-FR-2	1995 JUN	DOE-RL	APPROACH AND PLAN FOR CLEANUP ACTIONS IN 100-FR-2 OU HANFORD SITE	<a href="http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D196007371">http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D196007371</a>	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

Table B1. Annotated Bibliography

Document #	REV./Draft/Vol.	Area	Operable Unit	Date	Authors/ Originator	Title	Link	Summary	Background Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
CVP-2006-00007	Rev. 0	100-F	100-FR-1, 118-F-7 105-F Reactor Building	2006 OCT	M. J. Appel	Cleanup Verification Package for the 118-F-7, 100-F Miscellaneous Hardware Storage Vault	<a href="http://www.osti.gov/energycitations/product.biblio.jsp?query_id=0&amp;page=0&amp;osti_id=945299">http://www.osti.gov/energycitations/product.biblio.jsp?query_id=0&amp;page=0&amp;osti_id=945299</a>	This CVP documents completion of remedial action for the 118-F-7, 100-F Miscellaneous Hardware Storage Vault. The site consisted of an inactive solid waste storage vault used for temporary storage of slightly contaminated reactor parts that could be recovered and reused for the 100-F Area reactor operations.	D,H,P	Z	Y,S	A	Yes	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	<a href="http://www.osti.gov/energycitations/product.biblio.jsp?query_id=0&amp;page=0&amp;osti_id=945223">http://www.osti.gov/energycitations/product.biblio.jsp?query_id=0&amp;page=0&amp;osti_id=945223</a>	This CVP documents 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 Experimental Animal Farm, 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
CVP-2006-00009	Rev. 0	100-F	100-F-20	2007 JAN	M. J. Appel	Cleanup Verification Package for the 100-F-20, Pacific Northwest Laboratory Parallel Pits	<a href="http://www.osti.gov/energycitations/product.biblio.jsp?query_id=0&amp;page=0&amp;osti_id=945297">http://www.osti.gov/energycitations/product.biblio.jsp?query_id=0&amp;page=0&amp;osti_id=945297</a>	This CVP documents completion of remedial action for the 100-F-20, PNL Parallel Pits waste site. This waste site consisted of two earthen trenches thought to have received both radioactive and nonradioactive material related to the 100-F Experimental Animal Farm.	D,H,P	G,Z,T	Y,S,	A	Yes	No
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	<a href="http://www.osti.gov/energycitations/product.biblio.jsp?query_id=0&amp;page=0&amp;osti_id=944155">http://www.osti.gov/energycitations/product.biblio.jsp?query_id=0&amp;page=0&amp;osti_id=944155</a>	The 128-F-3 waste site is a former burn pit associated with the 100-F Area Experimental Animal Farm. 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

Table B1. Annotated Bibliography

Document #	REV./Draft/Vol.	Area	Operable Unit	Date	Authors/ Originator	Title	Link	Summary	Background Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
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	<a href="http://www.osti.gov/energycitations/product.biblio.jsp?query_id=0&amp;page=0&amp;osti_id=944440">http://www.osti.gov/energycitations/product.biblio.jsp?query_id=0&amp;page=0&amp;osti_id=944440</a>	The 116-F-16 waste site is the former PNL Outfall, used to discharge waste effluents from the 100-F Experimental Animal Farm. 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
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	<a href="http://www.osti.gov/energycitations/product.biblio.jsp?query_id=0&amp;page=0&amp;osti_id=944441">http://www.osti.gov/energycitations/product.biblio.jsp?query_id=0&amp;page=0&amp;osti_id=944441</a>	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 Experimental Animal Farm. 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
CVP-2007-00003	Rev. 0	100-F	100-FR-2; 118-F-5	2008 FEB	L. D. Habel	Cleanup Verification Package for the 118-F-5 PNL Sawdust Pit	<a href="http://www.osti.gov/energycitations/product.biblio.jsp?query_id=0&amp;page=0&amp;osti_id=945226">http://www.osti.gov/energycitations/product.biblio.jsp?query_id=0&amp;page=0&amp;osti_id=945226</a>	This CVP documents completion of remedial action, sampling activities, and compliance with cleanup criteria for the 118-F-5 Burial Ground, the PNL Sawdust Pit. The 118-F-5 Burial Ground was an unlined trench that received radioactive sawdust from the floors of animal pens in the 100-F Experimental Animal Farm.	D,H,P	G,Z,T	Y,S	A	Yes	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	<a href="http://www.osti.gov/energycitations/product.biblio.jsp?query_id=0&amp;page=1&amp;osti_id=944139">http://www.osti.gov/energycitations/product.biblio.jsp?query_id=0&amp;page=1&amp;osti_id=944139</a>	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 liters (25 million gallons). 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

Table B1. Annotated Bibliography

Document #	REV./Draft/Vol.	Area	Operable Unit	Date	Authors/ Originator	Title	Link	Summary	Background Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
RSVP-2006-029		100-F	100-FR-1, 132-F-1, 141-F	2006 AUG	L. M. Dittmer	Remaining Sites Verification Package for the 132-F-1, 141-F Chronic Feeding Sheep Barn, Waste Site Reclassification Form 2006-029	<a href="http://www.osti.gov/energycitations/product.biblio.jsp?query_id=0&amp;page=1&amp;osti_id=944149">http://www.osti.gov/energycitations/product.biblio.jsp?query_id=0&amp;page=1&amp;osti_id=944149</a>	The 132-F-1 site is the former location of the 141-F Chronic Feeding Sheep Barn that was part of the experimental animal farm at the 100-F Area. It was an L-shaped concrete block building with a concrete floor and concrete animal pens located both inside and outside the building. The 141-F Building was demolished in 1977 following relocation of animal research to the 300 Area. 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,Z,T	Y	A	Yes	No
CVP-2007-00002	Rev. 0	100-F	100-F Area; 118-F-2 Burial Ground	2007 OCT	J. M. Capron and K. A. Anselm	Cleanup Verification Package for the 118-F-2 Burial Ground	<a href="http://www.osti.gov/energycitations/product.biblio.jsp?query_id=0&amp;page=1&amp;osti_id=945293">http://www.osti.gov/energycitations/product.biblio.jsp?query_id=0&amp;page=1&amp;osti_id=945293</a>	This CVP documents completion of remedial action, sampling activities, and compliance with cleanup criteria for the 118-F-2 Burial Ground. This burial ground, formerly called Solid Waste Burial Ground No. 1, was the original solid waste disposal site for the 100-F Area. Eight trenches contained miscellaneous solid waste from the 105-F Reactor and one trench contained solid waste from the biology facilities.	D,H	G,Z,E,T	Y,S	A	Yes	No
CVP-2002-00004	Rev. 1	100-F	126-F-1, 184-F Powerhouse Ash Pit; 116-F-14, 107-F Retention Basins	2007 OCT	S. W. Clark and H. M. Sulloway	Cleanup Verification Package for the 126-F-1, 184-F Powerhouse Ash Pit	<a href="http://www.osti.gov/energycitations/product.biblio.jsp?query_id=0&amp;page=1&amp;osti_id=945317">http://www.osti.gov/energycitations/product.biblio.jsp?query_id=0&amp;page=1&amp;osti_id=945317</a>	This CVP documents completion of remedial action for the 126-F-1, 184-F Powerhouse Ash Pit. This waste site received coal ash from the 100-F Area coal-fired steam plant. Leakage of process effluent from the 116-F-14, 107-F Retention Basins flowed south into the ash pit, contaminating the northern portion.	D,H,P	G,Z	Y,S,X,P	A	Yes	Yes
PNNL-14287		100-BC-5 100-FR-3	100-BC-5 100-FR-3	2003 MAY	Sweeney, Mark D., Chou, Charissa J.	Data Quality Objectives Summary Report - Designing a Groundwater Monitoring and Assessment Network for the 100-BC-5 and 100-FR-3 Operable Units	<a href="http://www.osti.gov/energycitations/product.biblio.jsp?query_id=0&amp;page=1&amp;osti_id=15010209">http://www.osti.gov/energycitations/product.biblio.jsp?query_id=0&amp;page=1&amp;osti_id=15010209</a>	This report is the culmination of the decision process that will guide future data acquisition at the two OUs: 100-BC-5, and 100-FR-3. The data gathered will be used to develop future closure decisions, leading ultimately toward a ROD for the 100-BC-5 and 100-FR-3 OUs. Detailed background information that includes facility description, groundwater flow directions, monitoring network and monitoring constituents, COPCs, summary of groundwater contamination levels, sources of groundwater contamination, and contaminant distribution maps and trend charts is presented in Appendix A.1.	D,H,P	G,Z,T	Y,S,X,P	A,M	Yes	Yes

Table B1. Annotated Bibliography

Document #	REV./Draft/Vol.	Area	Operable Unit	Date	Authors/ Originator	Title	Link	Summary	Background Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
RL-REA-2514		100-H, 100-F	100-H, 100-F	1965 OCT	Herman, G. Jr.	Underground radioactive materials in 100-H and F plants	<a href="http://www.osti.gov/energycitations/product.biblio.jsp?query_id=0&amp;page=1&amp;osti_id=5129123">http://www.osti.gov/energycitations/product.biblio.jsp?query_id=0&amp;page=1&amp;osti_id=5129123</a>	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
PNL-8819		100 Areas, 100-F	101 Areas, 100-F	1993 SEPT	Wright, M.K.	Fiscal year 1992 report on archaeological surveys of the 100 Areas, Hanford Site, Washington	<a href="http://www.osti.gov/energycitations/product.biblio.jsp?query_id=0&amp;page=1&amp;osti_id=10185935">http://www.osti.gov/energycitations/product.biblio.jsp?query_id=0&amp;page=1&amp;osti_id=10185935</a>	During FY 1992, the Hanford Cultural Resources Laboratory (HCRL) 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 WHC. These efforts were conducted in compliance with Section 106 of the National Historic Preservation Act (NHPA) 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. Five hundred and eighteen 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
RSVP-2006-027		100-F	100-FR-1	2006 MAY	R. A. Carlson	Remaining Sites Verification Package for the 141-C Large Animal Barn and Biology Laboratory (Hog Barn), Waste Site Reclassification Form 2006-027	<a href="http://www.osti.gov/energycitations/product.biblio.jsp?query_id=0&amp;page=1&amp;osti_id=944148">http://www.osti.gov/energycitations/product.biblio.jsp?query_id=0&amp;page=1&amp;osti_id=944148</a>	The 141-C waste site is a former large animal barn and biology laboratory within the 100-F Area Experimental Animal Farm. Strontium-90, arsenic, and multiple polycyclic aromatic hydrocarbons were detected within residual demolition debris at concentrations exceeding cleanup criteria. The site has been remediated by removing approximately 900 bank m <sup>3</sup> (31,784 ft <sup>3</sup> ) of soil and debris within the former building footprint to the ERDF. 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,Z	Y,X	A	Yes	No
RSVP-2007-001	Rev. 0	100-FR-2	100-FR-2	2008 APR	J. M. Capron	Remaining Sites Verification Package for the 100-F-50 Stormwater Runoff Culvert, Waste Site Reclassification Form 2007-001	<a href="http://www.osti.gov/energycitations/product.biblio.jsp?query_id=0&amp;page=1&amp;osti_id=944161">http://www.osti.gov/energycitations/product.biblio.jsp?query_id=0&amp;page=1&amp;osti_id=944161</a>	The 100-F-50 waste site, part of the 100-FR-2 OU, is a steel stormwater runoff culvert that runs between two railroad grades in the south-central portion of the 100-F Area. The 100-F-50 stormwater diversion culvert confirmatory sampling results support a reclassification of this site to no action. The current site conditions achieve the remedial action objectives and corresponding remedial action goals established in the Remaining Sites ROD. 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	G,Z,T	Y,S	A	No	No

Table B1. Annotated Bibliography

Document #	REV./Draft/Vol.	Area	Operable Unit	Date	Authors/ Originator	Title	Link	Summary	Background Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
RSVP-2008-028		100-F	105-F Reactor; 108-F; 120-F-1	2008 MAY	J. M. Capron	Remaining Sites Verification Package for the 120-F-1 Glass Dump Waste Site, Waste Site Reclassification Form 2008-028	<a href="http://www.osti.gov/energycitations/product.biblio.jsp?query_id=0&amp;page=1&amp;osti_id=944170">http://www.osti.gov/energycitations/product.biblio.jsp?query_id=0&amp;page=1&amp;osti_id=944170</a>	The 120-F-1 waste site consisted of two dumping areas located 660 m (2,165 ft) southeast of the 105-F Reactor containing laboratory equipment and bottles, demolition debris, light bulbs and tubes, small batteries, small drums, and pesticide-contaminated soil. It is probable that 108-F was the source of the debris, but the material may have come from other locations within the 100-F Area. 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,P	G,Z,T	Y,S	A	No	N.
PNL-8284		100-F	100-F	1992 OCT	Evans, J.C. ; Bryce, R.W. ; Bates, D.J.	Hanford Site ground-water monitoring for 1991	<a href="http://www.osti.gov/energycitations/product.biblio.jsp?query_id=0&amp;page=2&amp;osti_id=10104341">http://www.osti.gov/energycitations/product.biblio.jsp?query_id=0&amp;page=2&amp;osti_id=10104341</a>	This annual report 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 in the vicinity of 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
DOE/RL-97-29	Rev. 0	100-F	100-F, 105-F, 108-F	1997 SEPT	DOE-RL	Removal Design Report for the 108-F Biological Laboratory	<a href="http://www.osti.gov/energycitations/product.biblio.jsp?query_id=0&amp;page=2&amp;osti_id=663391">http://www.osti.gov/energycitations/product.biblio.jsp?query_id=0&amp;page=2&amp;osti_id=663391</a>	The purpose of this RDR is to establish the methods of D&D and the supporting functions associated with facility removal and disposal. This RDR is prepared in accordance with Section 7.2.4 of the Hanford Federal Facility Agreement and Consent Order (Tri-Party Agreement) (Ecology et al. 1990). This RDR describes each task required and the implementation processes used to perform these activities. This RDR additionally identifies the regulatory guidelines, applicable orders, and procedures that will be used to direct and control the work activities. This document will serve as the decommissioning plan for the 108-F Facility.	D,H,P	G,T	Y,S,X	A	Yes	No
DOE/RL-96-85	Rev. 0	100-F, 108-F	100-F, 108-F	N/A	Dept. of Energy, Richland, WA (United States)	Engineering evaluation cost analysis for the 100-B/C area ancillary facilities at the 108-F Building	<a href="http://www.osti.gov/energycitations/product.biblio.jsp?query_id=0&amp;page=2&amp;osti_id=663393">http://www.osti.gov/energycitations/product.biblio.jsp?query_id=0&amp;page=2&amp;osti_id=663393</a>	The 100 Area of the Hanford Site, along with the 200, 300, and 100 Areas, was placed on EPA's National Priorities List 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 <i>Code of Federal Regulations</i> (CFR) 300.410. 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, 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	D,H,P	G,Z,E,T	Y,S,X	A	Yes	Yes

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Document #	REV./Draft/Vol.	Area	Operable Unit	Date	Authors/ Originator	Title	Link	Summary	Background Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
HW-43937		100-BC, 100-D/DR, 100-F, 100-H	100-BC, 100-D/DR, 100-F, 100-H	1956 JUL	Baker, D.S. ; McLenegan, D.W.	Effect of increased electric loads on primary substation equipment in 100-B, C, D, DR, F, and H areas	<a href="http://www.osti.gov/energycitations/product.biblio.jsp?query_id=0&amp;page=2&amp;osti_id=10108346">http://www.osti.gov/energycitations/product.biblio.jsp?query_id=0&amp;page=2&amp;osti_id=10108346</a>	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 4500 hp synchronous motors.	D			A	No	No
HW-34530		100-F	100-F	1955 JUN	Miller, N.R.	Final report on Production Test 105-526-E -- Elimination of lime as a process water additive	<a href="http://www.osti.gov/energycitations/product.biblio.jsp?query_id=0&amp;page=2&amp;osti_id=10122176">http://www.osti.gov/energycitations/product.biblio.jsp?query_id=0&amp;page=2&amp;osti_id=10122176</a>	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-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	Russ, M.H.	Design criteria -- Reactor plant modifications for increased production and 100-C Area Alterations (Sections A and B) CG-558. Volume 1	<a href="http://www.osti.gov/energycitations/product.biblio.jsp?query_id=0&amp;page=2&amp;osti_id=10122339">http://www.osti.gov/energycitations/product.biblio.jsp?query_id=0&amp;page=2&amp;osti_id=10122339</a>	This document 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 operation.	D,H,P				No	No
HNF-3602	Rev. 0	100-F	100-F	1999 JUL	HILL, J.S.	Volume 1: Calculating potential to emit releases and doses for FEMP's and NOCs	<a href="http://www.osti.gov/energycitations/product.biblio.jsp?query_id=0&amp;page=2&amp;osti_id=797483">http://www.osti.gov/energycitations/product.biblio.jsp?query_id=0&amp;page=2&amp;osti_id=797483</a>	The purpose of this document is 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 (NOCs), per 40 CFR Part 61, Subpart H, and WAC Chapter 246-247 requirements. This document replaces Unit Dose Calculation Methods and Summary of Facility Effluent Monitoring Plan Determinations (WHC-EP-0498).	H,P		S,X	A	No	No

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Document #	REV./Draft/Vol.	Area	Operable Unit	Date	Authors/ Originator	Title	Link	Summary	Background Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
HW-12221		100-F	100-F	1948 NOV	Thornburn, R.C.	Analysis of urine samples for iron and S <sup>{sup 35}</sup>	<a href="http://www.osti.gov/energycitations/product.biblio.jsp?query_id=0&amp;page=2&amp;osti_id=10172359">http://www.osti.gov/energycitations/product.biblio.jsp?query_id=0&amp;page=2&amp;osti_id=10172359</a>	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 <sup>{sup 35}</sup> (65%) and iron <sup>{sup 59}</sup> (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
BNWL-CC-1931		HANFORD SITE	HANFORD SITE	1968 NOV	Honstead, J.F. ; Jaska, R.T.	1967 Columbia River temperature analysis	<a href="http://www.osti.gov/energycitations/product.biblio.jsp?query_id=0&amp;page=2&amp;osti_id=10173108">http://www.osti.gov/energycitations/product.biblio.jsp?query_id=0&amp;page=2&amp;osti_id=10173108</a>	This report 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 Hartford 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
HW-58312		HANFORD SITE	HANFORD SITE	1958 NOV	Soldat, J.K.	Columbia River flow-time calculations	<a href="http://www.osti.gov/energycitations/product.biblio.jsp?query_id=0&amp;page=2&amp;osti_id=10175008">http://www.osti.gov/energycitations/product.biblio.jsp?query_id=0&amp;page=2&amp;osti_id=10175008</a>	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 {times} 10 <sup>{sup 5}</sup> gallons per second 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 {times} 10 <sup>{sup 5}</sup> gps to 3.7 {times} 10 <sup>{sup 6}</sup> gps. Revised flow-time curves are illustrated in figures in the report.	D			A	No	No
PNL-8284		HANFORD SITE	HANFORD SITE	1992 OCT	Evans, J.C. ; Bryce, R.W. ; Bates, D.J.	Hanford Site ground-water monitoring for 1991	<a href="http://www.osti.gov/energycitations/product.biblio.jsp?query_id=0&amp;page=2&amp;osti_id=7024284">http://www.osti.gov/energycitations/product.biblio.jsp?query_id=0&amp;page=2&amp;osti_id=7024284</a>	This annual report 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 in the vicinity of 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, P	G,Z,T	S,X,P	A,M	No	No

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Document #	REV./Draft/Vol.	Area	Operable Unit	Date	Authors/ Originator	Title	Link	Summary	Background Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
HW-23163		100-F	100-F	1952 JAN	Woods, W.C.A.	The use of aluminum sulfate for 100 Areas' process water coagulation	<a href="http://www.osti.gov/energycitations/product.biblio.jsp?query_id=0&amp;page=2&amp;kosti_id=6491944">http://www.osti.gov/energycitations/product.biblio.jsp?query_id=0&amp;page=2&amp;kosti_id=6491944</a>	It has been 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. In order 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
BNWL-2034		HANFORD SITE	HANFORD SITE	1975 JAN	Myers, D.A. ; Fix, J.J. ; Blumer, P.J. ; Raymond, J.R. ; McGhan, V.L. ; Hilty, E.L.	Environmental monitoring report on the status of ground water beneath the Hanford Site, January--December 1975	<a href="http://www.osti.gov/energycitations/product.biblio.jsp?query_id=0&amp;page=3&amp;kosti_id=7311567">http://www.osti.gov/energycitations/product.biblio.jsp?query_id=0&amp;page=3&amp;kosti_id=7311567</a>	This report is one of a series prepared annually to provide an evaluation of the status of groundwater contamination resulting from Hanford onsite discharges. This issue 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. 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
153969	Rev. 1	100 AREA, 300 AREA	100 AREA, 300 AREA	2010 OCT	MS FRENCH, BL 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	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=1010201060">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=1010201060</a>	This document gives a review of previous minutes and updates on the status for groundwater treatment/remediation in 100-F and 100-IU-2/100-IU-6 areas (GROUNDWATER. SOILS. D4/ISS). 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. Agreement 1: Attachment 3 documents EPA approval of TPA change control form TPA-CN-3 79 to modify Appendix 3 of the WCP for the 100-FR-3 OU to modify the names of three boreholes previously approved in TPA-CN-361.	D,H,P	G,Z,T	Y,S,X,P	A,M	Yes	Yes
TPA-CN-228		100-F	100-FR-3	2008 JUL	BL CHARBONEAU, RA 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	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=0808010161">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=0808010161</a>	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

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Document #	REV./Draft/Vol.	Area	Operable Unit	Date	Authors/ Originator	Title	Link	Summary	Background Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
TPA-CN-241		100-F	100-FR-3	2008 DEC	BL CHARBONEAU, RA 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)	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=0902180687">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=0902180687</a>	This document sites 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
TPA-CN-410		100-F	100-FR-3	2010 NOV	BL CHARBONEAU	TRI-PARTY AGREEMENT TPA CHANGE NOTICE FORM WASTE CONTROL PLAN FOR THE 100-FR-3 OPERABLE UNIT DOE/RL-2004-31 REV 1	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=1012090500">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=1012090500</a>	The WCP is being updated 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 the Remedial Investigation Work Plan for Hanford Site Releases to the Columbia River (DOE/RL-2008-1 1).	D,P	G,Z	X	A	No	No
08-AMRC-0143	Rev. 0	100-F	100-FR-3	2008 MAY	JR 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	<a href="http://www5.hanford.gov/arpir/?content=detail&amp;AKey=DA06973930">http://www5.hanford.gov/arpir/?content=detail&amp;AKey=DA06973930</a>	This report 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 soil. 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,P	G,Z	E,T,Y,S	A	Yes	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	<a href="http://www5.hanford.gov/arpir/?content=detail&amp;AKey=DA06040448">http://www5.hanford.gov/arpir/?content=detail&amp;AKey=DA06040448</a>	This Meeting Minutes Unit Managers Meeting contains an 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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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	KM THOMPSON	MEETING MINUTES UNIT MANAGERS MEETING 100 AREA GROUNDWATER AND SOURCE OU AND FACILITY DEMOLITION MARCH 24 2005	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=DA03629392">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=DA03629392</a>	This report covers the groundwater status for area 100-FR in Attachment 5, the remaining sites sampling efforts status, design status, and orphan site evaluation.	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	KM THOMPSON	MEETING MINUTES UNIT MANAGERS MEETING 100 AREA GROUNDWATER AND REMEDIAL ACTION AND SOURCE OU APRIL 28 2005	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=DA03629435">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=DA03629435</a>	This report covers the general status of 100-F Area, groundwater monitoring, 182-F Reservoir update, remaining sites sampling efforts, and orphan site evaluation.	P	G,Z	Y,S,X,P	A,M	Yes	Yes
123823		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 AUG	DC SMITH, KM THOMPSON	MEETING MINUTES UNIT MANAGERS MEETING 100 AREA REMEDIAL ACTION UNIT SOURCE OU MAY 26 2005	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=DA01163285">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=DA01163285</a>	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
PNNL-15176		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 JUN	JT RIEGER, MJ HARTMAN	Fiscal Year 2005 Integrated Monitoring Plan for the Hanford Groundwater Performance Assessment Project	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=DA273110">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=DA273110</a>	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

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DOE/RL-2004-31	Rev. 1	100-F	100-FR-3	2005 MAY	DOE-RL	WASTE CONTROL PLAN FOR 100-FR-3 OU	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=DA780642">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=DA780642</a>	This WCP applies to the management of investigation- derived waste (IDW) 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 (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 IDW management.	D,P	G,Z,T	Y,X	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	DC SMITH, KM THOMPSON	MEETING MINUTES UNIT MANAGERS MEETING 100 AREA REMEDIAL ACTION UNIT SOURCE OU JULY 22 2004	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D7605663">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D7605663</a>	This report covers briefly the remedial action updates and general status of 100-F Area.		G,Z,T			No	No
DOE/RL-2004-31		100-F	100-FR-3	2005 MAR	DOE-RL	WASTE CONTROL PLAN FOR 100-FR-3 OU	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=DA273072">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=DA273072</a>	This WCP applies to the management of IDW generated from groundwater waste sampling, aquifer sampling tube and seep sampling, aquifer testing, groundwater well or aquifer tube installation and development, ination for the 100-FR-3 OU investigations, as appropriate.	D,P	G,Z,T	Y,X	A	No	No
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	AC TORTOSO, DC SMITH	MEETING MINUTES UNIT MANAGERS MEETING 100 AREA REMEDIAL ACTION UNIT SOURCE OU JUNE 24 2004	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D7508481">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D7508481</a>	This report briefly covers the remedial action updates and general status of 100-F Area.	D,P	P,G,Z	Y,X,	A	No	No

Table B1. Annotated Bibliography

Document #	REV./Draft/Vol.	Area	Operable Unit	Date	Authors/ Originator	Title	Link	Summary	Background 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	<a href="http://www5.hanford.gov/arpir/?content=detail&amp;AKey=0811040295">http://www5.hanford.gov/arpir/?content=detail&amp;AKey=0811040295</a>	This document 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
PNNL-14687-SUM	SUMMARY	HANFORD SITE	HANFORD SITE	2004 SEPT	LF MORASCH, RL DIRKES, RW HANF, TM POSTON, PNNL	SUMMARY OF HANFORD SITE ENVIRONMENTAL REPORT FOR CY 2003	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D6395667">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D6395667</a>	This booklet summarizes the Hanford Site Environmental Report for Calendar Year 2003. The Hanford Site environmental report, published annually since 1958, includes information and summary data that provide an overview of the activities at DOE's Hanford Site. Included in this booklet are brief descriptions of (1) the Hanford Site and its mission; (2) cleanup activities at the Hanford Site; (3) estimated radiological doses to the public and biota from 2003 Hanford Site activities; (4) the status of the site's compliance with environmental regulations; and (5) information on environmental monitoring and surveillance programs and activities.	D,H,P	G,Z,C,E,T	Y,S,X,P	A,M	Yes	Yes
PNNL-14687		HANFORD SITE	HANFORD SITE	2004 SEPT	LF MORASCH, RL DIRKES, RW HANF, TM POSTON	HANFORD SITE ENVIRONMENTAL REPORT FOR CY 2003 [SECTION 1 OF 2]	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D6396066">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D6396066</a>	The report 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 programs and efforts. Some historical and early 2004 information is included where appropriate. More detailed environmental compliance, monitoring, and surveillance information may be found in additional reports referenced in the text. Although this report was primarily written to meet DOE reporting requirements and guidelines, it also provides useful summary information to members of the public, public officials, regulators, Hanford Site contractors, and elected representatives.	D,H,P	G,Z,C,E,T	Y,S,X,P	A,M	Yes	Yes
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	AC TORTOSO, DC SMITH	MEETING MINUTES UNIT MANAGERS MEETING 100 AREA REMEDIAL ACTION UNIT SOURCE OU MARCH 25 2004	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D5384556">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D5384556</a>	This report gives the general and design/ procurement status of several 100 F areas: 100 F, 116-F, 128-F-2, 100F-39, 116-F-16.		G,Z,T	Y	A	No	No

Table B1. Annotated Bibliography

Document #	REV./Draft/Vol.	Area	Operable Unit	Date	Authors/ Originator	Title	Link	Summary	Background Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
114449		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	AC TORTOSO, DC SMITH	MEETING MINUTES UNIT MANAGERS MEETING 100 AREA REMEDIAL ACTION UNIT SOURCE OU FEBRUARY 26 2004	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D5382792">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D5382792</a>	This report gives the general and design/procurement status of 100-F, the status of the 100-FR-3 Groundwater OU, and a SAP in Attachment 15.		G,Z,T	Y	A,M	No	No
61539		100-BC 100-F	100-BC-5 100-FR-3	2004 MAR	JS FRUCHTER	PAGE CHANGES FOR 100-BC-5 AND 100-FR-3 GROUNDWATER SAMPLING AND ANALYSIS PLANS	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D4493327">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D4493327</a>	This letter/document provides attachments with modifications to the 100-BC-5, and 100-FR-3 OU 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
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, DC SMITH	MEETING MINUTES UNIT MANAGERS MEETING 100 AREA REMEDIAL ACTION UNIT SOURCE OU JANUARY 22 2004	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D4261069">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D4261069</a>	This report gives the general and design/procurement status of several 100 F areas: 100 F, 100-F-2, 100F-19, 100-FR-3 and a WIDS Site CVP closeout summary table is provided.		G,Z,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, DC SMITH	MEETING MINUTES UNIT MANAGERS MEETING 100 AREA REMEDIAL ACTION UNIT SOURCE OU DECEMBER 4 2003	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D4174013">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D4174013</a>	This report gives the general status of 100-F Area. Revegetation work was started on the borrow site. DOE is transmitting the 100-F Burial Grounds and remaining sites Air Monitoring Plan 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

Table B1. Annotated Bibliography

Document #	REV./Draft/Vol.	Area	Operable Unit	Date	Authors/ Originator	Title	Link	Summary	Background Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
DOE/RL-2003-49	Rev. 0	100-F	100-FR-3	2003 OCT	DOE-RL	100-FR-3 Operable Unit Sampling and Analysis Plan	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D3429575">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D3429575</a>	The objective of this SAP is to continue long-term groundwater monitoring as well as extend the study of the effect that contamination at the 100-FR-3 OU has had on the near-shore environment of the Columbia River. This plan also provides guidance for measuring the decay or decline in concentration of contamination already in groundwater. No active groundwater remediation of the 100-FR-3 OU has been planned, and no date has been set for publication of the ROD on final remedial measures for the unit.	D,H,P	G,Z,T	Y,S,P	A,M	Yes	Yes
PNNL-14444		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 OCT	MJ HARTMAN, RE PETERSON	AQUIFER SAMPLING TUBE RESULTS FOR FY 2003	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D3253922">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D3253922</a>	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.	D,H,P	G,Z,T	Y,S,P	A,M	Yes	Yes
PNNL-14295-SUM		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 SEPT	GP OCONNOR, LF MORASCH, RW HANF, TM POSTON	SUMMARY OF HANFORD SITE ENVIRONMENTAL REPORT FOR CY 2002	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D2984227">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D2984227</a>	This booklet summarizes the Hanford Site Environmental Report for Calendar Year 2002. This booklet briefly describes (1) the Hanford Site and its mission; (2) environmental programs at the Hanford Site; (3) estimated radionuclide exposures to the public from 2002 Hanford Site activities; (4) the status of the Site's compliance with environmental regulations; and (5) information on environmental monitoring and surveillance programs and activities. Readers interested in more detailed information can consult the 2002 report or the technical documents cited and listed in that report.	D,H,P	G,Z,C,E,T	Y,S,X,P	A,M	Yes	Yes
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, DC SMITH	MEETING MINUTES UNIT MANAGERS MEETING 100 AREA REMEDIAL ACTION AND WASTE DISPOSAL UNIT SOURCE OU MARCH 27 2003	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D1503270">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D1503270</a>	This report briefly covers 100 F areas for remediation/treatment. Attachment 8 cites 100-F-19:2 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

Table B1. Annotated Bibliography

Document #	REV./Draft/Vol.	Area	Operable Unit	Date	Authors/ Originator	Title	Link	Summary	Background Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
PNNL-14187-SUM		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 MAR	LF MORASCH, MJ HARTMAN, WD WEBBER	SUMMARY OF HANFORD SITE GROUNDWATER MONITORING FOR FY 2002	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D2984289">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D2984289</a>	This booklet summarizes a more detailed report, Hanford Site Groundwater Monitoring for Fiscal Year 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-14111		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	2002 NOV	MJ HARTMAN	FY 2003 INTEGRATED MONITORING PLAN FOR HANFORD GROUNDWATER MONITORING PROJECT	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D9192290">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D9192290</a>	This report briefly covers 100-F areas for remediation/treatment. Table 4.1 includes 100 F areas with site specific monitoring requirements and those that appear to have affected groundwater quality.		G,Z,T	Y		No	No
PNNL-13910-SUM		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	2002 SEPT	GP OCONNOR, RW HANF, TM POSTON	SUMMARY OF HANFORD SITE ENVIRONMENTAL REPORT FOR CY 2001	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D3049241">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D3049241</a>	This booklet summarizes the Hanford Site Environmental Report for Calendar Year 2001. This document mentions the 100-F Area and 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. The document is written to meet requirements and guidelines of DOE and the needs of the public.	D,H,P	G,Z,C,E,T	Y,S,X,P	A,M	Yes	Yes
PNNL-13788		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	2002 MAR	LF MORASCH, MJ HARTMAN, WD WEBBER	HANFORD SITE GROUNDWATER MONITORING FOR FY 2001 [SECTION 2 OF 2]	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D2740450">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D2740450</a>	This summary booklet is designed to briefly (1) describe the highlights for fiscal year 2001, (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.  *Brief information can be found in this document on groundwater/drinking water contamination in the 100 F Area during FY 2001, and maps showing the concentration of plumes.	D,H,P	G,Z,C,E,T	Y,S,X,P	A,M	Yes	Yes

Table B1. Annotated Bibliography

Document #	REV./Draft/Vol.	Area	Operable Unit	Date	Authors/ Originator	Title	Link	Summary	Background Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
PNNL-13789		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	2002 MAR	LF MORASCH, MJ HARTMAN, WD WEBBER	Summary of Hanford Site Groundwater Monitoring for Fiscal Year 2001	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D9161420">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D9161420</a>	This summary booklet is designed to briefly (1) describe the highlights for fiscal year 2001, (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. *Brief information can be found in this document on groundwater/drinking water contamination in the 100 F Area during FY 2001, and maps showing the concentration of plumes.	D,H,P	G,Z,C,E,T	Y,S,X,P	A,M	Yes	Yes
83363		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	2000 OCT	AC TORTOSO	FY 2001 AQUIFER TUBE SAMPLING DATA PROJECT MANAGER MEETING MINUTES OCTOBER 2000	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D8532456">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D8532456</a>	This document provides background information about the project, a summary of the results from any previous investigations, a list of the COCs, and Attachment D – sites of 100-FR-3 Groundwater Well Aquifer Sampling.	D,H,P	G,Z,T	Y	A	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	AC TORTOSO	FY 2001 AQUIFER TUBE SAMPLING	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D8509977">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D8509977</a>	This document provides background information about the project, a summary of the results from any previous investigations, a list of the COCs, and the process or procedures in handling Aquifer Sampling Tubes. Attachment D includes a 100-FR-3 Groundwater Well Aquifer Sampling Tube and Seep List from the 100-FR-3 Waste Control Plan.	D,H,P	G,Z,T	Y,S	A	No	No
DOE/RL-2000-59	Rev. 0	100-BC-5 100-FR-3 100-HR-3 100-IU-2 100-IU-6	100-BC-5 100-FR-3 100-HR-3 100-IU-2 100-IU-6	2000 OCT	DOE-RL	SAMPLING AND ANALYSIS PLAN FOR AQUIFER SAMPLING TUBES	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D8510131">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D8510131</a>	This document contains Table 1.2. showing 100 F Area COCs.	D,H,P		Y	A	No	No

Table B1. Annotated Bibliography

Document #	REV./Draft/Vol.	Area	Operable Unit	Date	Authors/ Originator	Title	Link	Summary	Background Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
PNNL-13327		100-FR-3	100-FR-3	2000 SEPT	MD SWEENEY	GROUNDWATER SAMPLING AND ANALYSIS PLAN FOR 100-FR-3 OU	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D1659970">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D1659970</a>	The purpose of this plan is to describe groundwater sampling and analysis for CERCLA in the 100-FR-3 OU. The plan describes the well network, constituents analyzed, sampling protocol, and reporting and QA requirements. Sampling and analysis requirements for this OU are specified in the change control form to the Federal Facility Agreement and Consent Order. The 100-FR-3 OU is the groundwater/surface water OU associated with past nuclear reactor operations in the 100-F Area of DOE's Hanford Site. The OU includes the groundwater below the source OUs (100-FR-1 and 100-FR-2), plus the adjacent groundwater, surface water, sediments, and aquatic biota impacted by 100-F Area operations.	D,H,P	G,Z,T	Y,P	A,M	No	No
DOE/RL-2000-59		100-BC-5 100-FR-3 100-HR-3 100-IU-2 100-IU-6	100-BC-5 100-FR-3 100-HR-3 100-IU-2 100-IU-6	2000 AUG	DOE-RL	SAMPLING AND ANALYSIS PLAN FOR AQUIFER SAMPLING TUBES	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D8509895">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D8509895</a>	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-specific sampling locations and analyses for aquifer sampling tubes are negotiated with DOE RL and the regulators, and are documented in a FY groundwater aquifer tubes sampling and analysis instruction (SAI). Findings of chromium, nitrate, TCE, gross alpha, gross beta, strontium-90, and tritium are listed in the table showing COCs in the 100-F Area.	D,H,P	T	Y,S,P	A	No	No
PNNL-13116		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	2000 MAR	LF MORASCH, MJ HARTMAN, WD WEBBER	HANFORD SITE GROUNDWATER MONITORING FOR FY 1999 [SECTION 1 OF 2]	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D2736610">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D2736610</a>	This report presents the results of groundwater and vadose zone monitoring and remediation for FY 1999 on DOE's Hanford Site, Washington State. This report also summarizes results of groundwater monitoring conducted to assess the effects of remediation or interim measures conducted in accordance with CERCLA. Groundwater monitoring is conducted in the 100 F Area (1) triennially to annually to describe the nature and extent of contamination, and (2) quarterly to monitor trends in variable constituents/wells.	D,H,P	G,Z,E,T	Y,S,X,P	A,M	Yes	Yes
<a href="#">PNNL-13116</a>		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	2000 MAR	LF MORASCH, MJ HARTMAN, WD WEBBER	HANFORD SITE GROUNDWATER MONITORING FOR FY 1999 [SECTION 2 OF 2]	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D2736978">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D2736978</a>	CERCLA (100-FR-3 OU) and the Atomic Energy Act of 1954 govern groundwater monitoring in the 100-F Area. This section describes the significant vadose zone-related activities that occurred in the 100 Areas in FY 1999. These activities include soil sampling and analysis to support remediation of the 116-C-1 process effluent trench and the 1301-N and 1325-N cribs and trenches, sampling and analysis to select a waste site for initial deployment of technology for in situ reduction of hexavalent chromium, and laboratory studies to measure the distribution coefficient and leachability of chromium in sediment to support future remedial action goals and plans. This section does not discuss excavation done to remediate contaminated sites.	D,H,P	G,Z,C,T	Y,S,X,P	A,M	Yes	Yes

Table B1. Annotated Bibliography

Document #	REV./Draft/Vol.	Area	Operable Unit	Date	Authors/ Originator	Title	Link	Summary	Background Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
PNNL-13080		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	2000 FEB	MJ HARTMAN	HANFORD SITE GROUNDWATER MONITORING SETTING SOURCES AND METHODS	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D2760032">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D2760032</a>	This report includes a description of groundwater monitoring requirements, site hydrogeology, and waste sites that have affected groundwater quality or that require groundwater monitoring. Monitoring networks and methods for sampling, analysis, and interpretation are summarized. Vadose zone monitoring methods and statistical methods also are described. Whenever necessary, updates to information contained in this document will be published in future groundwater annual reports. Section 4.1.6 in this report details 100-F Area.	D,H,P	G,Z,T	Y,S,P	A,M	Yes	Yes
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	RF RAIDL	AQUIFER SAMPLING TUBE DATA SUMMARY FALL 2000	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D8796866">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D8796866</a>	This report 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. This data report 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
PNNL-13021		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 SEPT	DR NEWCOMER, JP MCDONALD, MA CHAMNESS	WATER LEVEL MONITORING PLAN FOR HANFORD GROUNDWATER MONITORING PROJECT	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D2760519">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D2760519</a>	This document presents the water level monitoring plan for the Hanford Groundwater Monitoring Project. 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. Well networks are presented for monitoring the unconfined aquifer system, the upper basalt-confined aquifer system, and the lower basalt-confined aquifers, all at a regional scale ("surveillance" monitoring), as well as the local-scale well networks for each of the regulated waste units studied by this project.	D,H,P	G,Z,T	Y,S,X,P	A,M	No	No
PNNL-11989		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 SEPT	DR NEWCOMER, EC THORNTON, MJ HARTMAN, PE DRESEL	INTEGRATED MONITORING PLAN FOR HANFORD GROUNDWATER MONITORING PROJECT	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D2756668">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D2756668</a>	This document is an integrated monitoring plan for the groundwater project. It documents well and constituent lists for monitoring required by the Atomic Energy Act of 1954 and its implementing orders; includes other, established monitoring plans by reference; and appends a master well/constituent/frequency matrix for the entire Site. The objectives of monitoring fall into three general categories: plume and trend tracking, treatment/storage/disposal unit monitoring, and remediation performance monitoring.	D,H,P	G,Z,T	Y,S,X,P	A, M	No	No

Table B1. Annotated Bibliography

Document #	REV./Draft/Vol.	Area	Operable Unit	Date	Authors/ Originator	Title	Link	Summary	Background Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
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	RD HILDEBRAND	RECOMMENDATIONS FOR SELECTION OF SITE WIDE GROUNDWATER MODEL AT HANFORD SITE AUGUST 1999	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D199157935">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D199157935</a>	DOE RL has initiated a project to consolidate multiple groundwater models at the Hanford Site into a single consolidated Sitewide groundwater model. This report documents the overall recommendations being made by 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
51929		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 JUL	DOE-RL	RISK IMPACT TECHNICAL REPORT FOR HANFORD GROUNDWATER VADOSE ZONE INTEGRATION PROJECT FINAL DRAFT	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D199158735">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D199158735</a>	This document contains two maps for the 100-F Area: Figure A.5 shows two, 200,000 pCi/liter contours for 1990, one extending to the southeast from the 200-East area and the other bracketing the area of the six monitoring wells around the Old Hanford Townsite (OHT) (Woodruff and Hanf 1991), Tritium Concentration Contours for 1990. Figure A.6 shows tritium contours for 1993 (Dirkes et al. 1994). The width of the 200,000 pCi/ liter contour near the OHT appears to have narrowed at the Columbia River interface, while the lower concentration contours appear to have slightly broadened at the interface relative to 1990.	D	T			No	No
N/A		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 JUN	DOE-RL	PRELIMINARY DRAFT RECOMMENDATIONS FOR CONSOLIDATION OF SITE WIDE GROUNDWATER MODELING AT HANFORD SITE	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D198174809">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D198174809</a>	This document contains maps that show 100-F Area information: Figure 2. Location Of Operational Areas On The Hanford Site; Figure 12. Areal Extent Of Major Radioactive Contaminant Plumes In Unconfined Aquifer; Figure 13. Areal Extent Of Major Chemical Contaminant Plumes In Unconfined Aquifer; Figure 16. Comparison Of Water Table Predicted By Three-Dimensional Flow Model With Observed Conditions For 1996; Figure 18. Water-Table Predicted With The Three-Dimensional Flow Model In The Year 2100; Figure 26. Comparison Of Tritium Plume Transport Predicted By Three-Dimensional Flow Model For Year 2100.	D	T			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	DB ERB, JV BORGHESE, RE PETERSON	AQUIFER SAMPLING TUBE COMPLETION REPORT 100 AREA AND HANFORD TOWNSITE SHORELINES	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D198103289">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D198103289</a>	This report 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

Table B1. Annotated Bibliography

Document #	REV./Draft/Vol.	Area	Operable Unit	Date	Authors/ Originator	Title	Link	Summary	Background Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
C-96-05		100-F	100-FR-3 100-IU-2 100-IU-5	1996 OCT	DOE-RL	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	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D197189333">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D197189333</a>	The OU boundaries for 100-FR-3 are modified to include the groundwater under, and any plumes associated with, the 100-IU-2 and 100-IU-5 OUs. 100-IU-2 and 100-IU-5 are defined to be source OUs. These changes should be reflected in Appendix C of the TPA.	D	Z	S,P		No	No
36656		100-BC 100-FR	100-BC-5 100-FR-3	1996 SEPT	AC TORTOSO, GH SANDERS	TPA CHANGE CONTROL FORMS M-15-96-06 AND M-15-96-07	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D196204124">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D196204124</a>	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 (ARARs) or that show increasing trends is conducted using cost-effective methods; (4) data validation, as performed during the limited field investigation, 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
BHI-00917	Rev. 0	100-BC 100-FR 100-HR 100-KR	100-BC-5 100-FR-3 100-HR-3 100-KR-4	1996 SEPT	RE PETERSON	CONCEPTUAL SITE MODELS FOR GROUNDWATER CONTAMINATION AT 100-BC-5 100-KR-4 100-HR-3 AND 100-FR-3 OU	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D197142704">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D197142704</a>	This document presents technical information on groundwater contamination in the 100-BC-5, 100-KR-4, 100-HR-3, and 100-FR-3 OUs on the Hanford Site. These operable units are defined for groundwater that underlies the retired plutonium production reactors and their associated support facilities. The reactor areas are located along the Columbia River in the northern portion of the Hanford Site. Collectively, the retired reactor areas and the adjacent undeveloped areas are referred to as the "100 Area." The technical information presented in this document supports a CSM for each OU. An additional reactor area OU, 100-NR-2, is addressed under separate documentation (Borghese et al., 1996).	D,H,P	Z,E,T	Y,S,X,P	A,M	Yes	Yes

Table B1. Annotated Bibliography

Document #	REV./Draft/Vol.	Area	Operable Unit	Date	Authors/ Originator	Title	Link	Summary	Background 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	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D196247216">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D196247216</a>	Four modifications to the previous groundwater sampling and analysis schedule for the 100-FR-3 OU 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 ARARs or that show increasing trends is conducted using cost-effective methods; and (4) data validation, as performed during the limited field investigation, is not performed for all new data.	D	G,Z	Y,X,P	A,M	No	No
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	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D197188949">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D197188949</a>	This report summarizes the activities and results of the groundwater/soil gas supplemental LFI for the 100-FR-3 OU. The primary objective of this investigation was to assess the lateral distribution of TCE in shallow groundwater associated with the 100-FR-3 OU. The second objective was to assess soil gas in an attempt to identify potential sources of TCE and develop a correlation between soil gas and groundwater concentrations. Finally, the third objective of the investigation was to refine the CSM.	D,H	Z,T	S,P	A,M	No	No
BHI-00557		100-F	100-FR-3	1996 MAR	DOE-RL	DATA VALIDATION SUMMARY REPORT FOR 100-FR-3 OU ROUND EIGHT GROUNDWATER	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D196099370">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D196099370</a>	This report is designated as Revision 0. The report addresses the validation of the 100-FR-3 Operable Unit 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.	D	Z	Y,S	A	No	No
BHI-00551	Rev. 0	100-F	100-FR-3	1996 MAR	DOE-RL	DATA VALIDATION SUMMARY REPORT FOR 100-FR-3 OU ROUND SEVEN GROUNDWATER SAMPLES	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D196089841">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D196089841</a>	This report 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 (AA) 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 (TCL).	D	Z	Y	A	No	No

Table B1. Annotated Bibliography

Document #	REV./Draft/Vol.	Area	Operable Unit	Date	Authors/ Originator	Title	Link	Summary	Background Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
25445		100-F	100-FR-3	1995 DEC	KM THOMPSON, PFX DUNIGAN JR	TRANSMITTAL OF SUGGESTED WORDING FOR 100-FR-3 OU FOCUS SHEET	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D197186235">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D197186235</a>	This report includes an attachment; the 100-FR-3 Groundwater Remediation Focus Sheet, that concludes the 100-FR-3 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 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 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
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	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D196005999">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D196005999</a>	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 RL dated 10/24/95.	D	Z	Y,S		Yes	No
DOE/RL-95-99	Draft A	100-F	100-FR-3	1995 DEC	United States Department of Energy	100-FR-3 GROUNDWATER SOIL GAS SUPPLEMENTAL LIMITED FIELD INVESTIGATION REPORT	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D197187444">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D197187444</a>	This report summarizes the activities and results of the groundwater/soil gas supplemental LFI for the 100-FR-3 OU. The primary objective of this investigation was to assess the lateral distribution of TCE in shallow groundwater associated with the 100-FR-3 OU. The second objective was to assess soil gas concentrations in the study area in an attempt to identify potential sources of TCE and develop a correlation between soil gas and groundwater concentrations. Finally, the third objective of the investigation was to refine the CSM.	D,H,P	G,Z,E,T	Y,T,P	A	Yes	No
DOE/RL-94-58	B	100-F	100-FR-3	1995 DEC	DOE-RL	100-FR-3 Operable Unit Focused Feasibility Study Report December 1995	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D196003905">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D196003905</a>	This FFS presents a detailed analysis of alternatives for an IRM to address chromium contamination in groundwater in the 100-FR-3 OU. The FFS has been conducted as part of the RI/FS process included under CERCLA. The 100-FR-3 OU addresses groundwater beneath the 100-F Reactor and its associated facilities. This FFS follows the Hanford Past Practice Strategy.	D,H,P	G,Z,C,E,T	Y,S,X,P	A,M	Yes	Yes

Table B1. Annotated Bibliography

Document #	REV./Draft/Vol.	Area	Operable Unit	Date	Authors/ Originator	Title	Link	Summary	Background Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
DOE/RL-94-61		100 AREA	100 AREA	1995 JUN	DOE-RL	100 AREA SOURCE OU FOCUSED FEASIBILITY STUDY [SECTION 1 OF 2]	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D196015921">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D196015921</a>	The purpose of this 100 Area Source Operable Unit FFS is to provide decision makers sufficient information to select interim remedial alternatives for IRM candidate 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,P	G,Z,C,E,T	Y,S,X,P	A,M	Yes	Yes
DOE/RL-94-61		100 AREA	100 AREA	1995 JUN	DOE-RL	100 AREA SOURCE OU FOCUSED FEASIBILITY STUDY [SECTION 2 OF 2]	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D196016522">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D196016522</a>	The purpose of this 100 Area Source Operable Unit FFS is to provide decision makers sufficient information to select interim remedial alternatives for IRM candidate 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,P	G,Z,E,T	Y,S,X	A	Yes	Yes
14008		100 AREA	100 AREA	1995 APR	SH WISNESS	TPA CHANGE CONTROL FORM M-15-95-02B 100 AREA SOURCE OU MILESTONE CHANGES	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D196024258">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D196024258</a>	This report contains an attachment (Attachment A) that describes a ROD strategy that leads towards 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
Accession Number D196034157		100 AREA	100AREA	1995 FEB	N WERDEL	MEETING MINUTES UNIT MANAGERS MEETING 100 AGGREGATE AREA 100 AREA OU JANUARY 19 1995	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D196034157">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D196034157</a>	The highlights from the Meeting Minutes Unit Managers Meeting include 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

Table B1. Annotated Bibliography

Document #	REV./Draft/Vol.	Area	Operable Unit	Date	Authors/ Originator	Title	Link	Summary	Background Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
BHI-00056		100-F	100-FR-3	1994 SEPT	ID JACQUES	100-FR-3 SOIL GAS SURVEY DESCRIPTION OF WORK	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D196055368">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D196055368</a>	This document specifies the activities and procedures used to conduct a soil gas survey to assess the lateral distribution of TCE associated with the groundwater of the 100-FR-3 OU. During an LFI of the 100-FR-3 OU, TCE was detected in one groundwater well located in the southwest corner of the OU. Traces of TCE (below the laboratory detection limit) were also detected in several other groundwater wells northeast of well 199-F7-1. The objective of this investigation is to assess the lateral distribution of TCE in soil gas in the southwest portion of 100-F Area. Soil gas probes will initially be installed near several existing wells where TCE was detected, and near two possible sources.	D,P	G,Z,T	Y,S,X	A	No	No
N/A		100 AREA	100 AREA	1994 AUG	ED GOLLER	MEETING MINUTES UNIT MANAGERS MEETING 100 AGGREGATE AREA 100 AREA OU JULY 28 1994	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D196034156">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D196034156</a>	This report gives 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
BHI-00028	Rev. 0	100 AREA	100 AREA	1994 AUG	JG FIELD, RD BELDEN	100 AREA PILOT SCALE SOIL WASHING TEST ALTERNATIVES AND RECOMMENDATIONS	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D196065370">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D196065370</a>	This report is 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. For purposes of this study, it will be assumed that the sites are 116-C-1 and a crib within the 100-H Area. Sites will hereafter be referred to in this study as 100-D, 100-F, 100-C, and 100-H sites. Except for 100-F, the sites are not considered radioactive areas at the ground surface; therefore, precautions will be required to minimize surface contamination caused by the test.	D,P	G	Y,X		Yes	Yes
SD-EN-TI-268	Rev. 0	100 AREA	100 AREA	1994 JUN	JG FIELD	100 AREA SOIL WASHING BENCH SCALE TESTS	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D196076370">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D196076370</a>	PNL conducted a bench-scale treatability study on a pluto crib soil sample from the 100 Area of the Hanford Site. 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

Table B1. Annotated Bibliography

Document #	REV./Draft/Vol.	Area	Operable Unit	Date	Authors/ Originator	Title	Link	Summary	Background Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
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	RD HILDEBRAND	REQUESTED TRITIUM DATA AND MAPS FROM JUDIT GERMAN-HEINS	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D199159235">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D199159235</a>	This document contains Hanford Site groundwater data and maps showing the distribution of tritium; includes 100-F Area.		Z,T	Y,P		Yes	Yes
D196070306		100 AREA	100 AREA	1994 MAY	ED GOLLER	MEETING MINUTES UNIT MANAGERS MEETING 100 AGGREGATE AREA 100 AREA OU MARCH 31 1994	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D196070306">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D196070306</a>	In Attachment #5 p. 2, this document gives an update on the 100 Area Treatability Test Status for Soil Washing. Data received to date indicates 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 RL is scheduled to be completed by April 30, 1994.	D,P	G		A	No	No
SD-EN-TI-204	Rev. 0	100 AREA	100 AREA	1994 SEPT	KA BERGSTROM	GROUND PENETRATING RADAR INVESTIGATION CONDUCTED IN 100 AREAS HANFORD SITES FY 1992	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D196061851">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D196061851</a>	During FY 1992, the Geophysics Group conducted 45 Ground Penetrating Radar ( 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 WHC Geophysics Group. A map showing the location and basic parameters of each survey can be found in the appendices of this report. I338I335I332	D,P	G,T			No	No
N/A		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	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D199055254">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D199055254</a>	This report is 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. Remedial investigations 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

Table B1. Annotated Bibliography

Document #	REV./Draft/Vol.	Area	Operable Unit	Date	Authors/ Originator	Title	Link	Summary	Background Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
SD-EN-RA-012	Rev. 0	100-F	100-FR-3	1994 APR	SE VUKELICH	QUALITATIVE RISK ASSESSMENT FOR 100-FR-3 GROUNDWATER OU	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D196084470">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D196084470</a>	This report provides the QRA for the 100-FR-3 groundwater OU at DOE's Hanford Site in south-central Washington State. The extent of the groundwater beneath the 100-F Area is defined in the Remedial Investigation/Feasibility Study Work Plan for the 100-FR-3 Operable Unit, Hanford Site, Richland, Washington (DOE-RL 1992a). 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
UNI-3714		100-BC 100-F	100-BC-1 100-BC-2 100-BC-3 100-BC-4 100-BC-5 100-F	1987 APR	JM STEFFES, RL MILLER	RADIONUCLIDE INVENTORY AND SOURCE TERMS FOR SURPLUS PRODUCTION REACTORS AT HANFORD	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D196008078">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D196008078</a>	The purpose of this document is to provide estimated inventories of radionuclides and other hazardous materials in the eight Hanford 100 Area surplus production reactor buildings. This information is intended to support the preparation of an EIS currently being prepared by Battelle's PNL for the final decommissioning of these facilities.	D,H,P	G,T	Y,S	A,M	No	Yes
SD-EN-SAD-002	Rev. 0	100 AREA	100 AREA	1991 SEPT	WE TAYLOR	100 AREA LOW HAZARD CHARACTERIZATION ACTIVITIES SAFETY ASSESSMENT	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D196078231">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D196078231</a>	This safety assessment is 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-AP-097	Rev. 0	100-BC-1 100-BC-2 100-BC-3 100-BC-4 100-BC-5 100-F	100-BC-1 100-BC-2 100-BC-3 100-BC-4 100-BC-5 100-F	1992 JUL	FW GUSTAFSON	DESCRIPTION OF WORK FOR 100 AREA COLUMBIA RIVER SEDIMENT SAMPLING	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D196102567">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D196102567</a>	This document 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 1988a) for specific procedures.	D,H,P	G,Z,T	Y,S, X	A	Yes	No

Table B1. Annotated Bibliography

Document #	REV./Draft/Vol.	Area	Operable Unit	Date	Authors/ Originator	Title	Link	Summary	Background Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
SD-EN-AP-089	Rev. 2	100-F	100-FR-3	1992 JUL	JW ROBERTS	DESCRIPTION OF WORK FOR 100-FR-3 GROUNDWATER OU	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D196105541">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D196105541</a>	This description of work 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
DOE/RL-92-12		100-BC 100-F	100-BC-1 100-BC-2 100-BC-3 100-BC-4 100-BC-5 100-F	1992 FEB	DOE-RL	SAMPLING AND ANALYSIS OF 100 AREA SPRINGS	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D196090827">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D196090827</a>	This report is submitted in fulfillment of Hanford Federal Facility Agreement and Consent Order Milestone M-30-01, "Submit a report to EPA and Ecology evaluating the impact to the Columbia River from contaminated springs and seeps as described in the operable unit work plans listed in M-30-03." 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	No	No
DOE/RL-91-53	Draft A	100-FR-3	100-FR-3	1991 NOV	DOE-RL	REMEDIAL INVESTIGATION FEASIBILITY STUDY WORK PLAN FOR 100-FR-3 OU	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D196081744">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D196081744</a>	This work plan and the attached supporting project plans establish the objectives, procedures, tasks, and schedule for conducting the CERCLA RI/FS for the 100-FR-3 groundwater OU. The 100-FR-3 OU includes all groundwater beneath and near the 100-F Area. As shown in Figure 1-2, the 100-F Area is divided into two source OUs that include facilities and unplanned release sites that are potential sources of hazardous substance contamination. A separate work plan has been initiated for the 100-FR-1 source OU.	D,H,P	G,Z,E,T	Y,S,X,P	A,M	No	No
SD-EN-TI-006	Rev. 0	100 AREA	100 AREA	1992 MAR	RE PETERSON	HYDROLOGIC AND GEOLOGIC DATA AVAILABLE FOR REGION NORTH OF GABLE MOUNTAIN	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D196090833">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D196090833</a>	This document contains 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

Table B1. Annotated Bibliography

Document #	REV./Draft/Vol.	Area	Operable Unit	Date	Authors/ Originator	Title	Link	Summary	Background Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
SD-EN-TI-011	Rev. 0	100 AREA	100 AREA	1992 MAR	KA LINDSEY	GEOLOGY OF NORTHERN PART OF HANFORD SITE OUTLINE OF DATA SOURCES AND GEOLOGIC SETTING OF 100 AREAS	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D196090817">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D196090817</a>	This report outlines the types of geologic data for the Hanford Site north of the Gable Mountain anticline and where these data can be obtained. Based on the available data, preliminary geologic interpretations will be presented. These interpretations will be divided into four site-specific sections: (1) 100-BC and 100-K, (2) 100-N and 100-D, (3) 100-H, and (4) 100-F. This report includes a brief discussion of regional geology in order to put the study area in its geologic context.	D,H	G			No	No
WHC-EP-0258-2		100 AREA	100 AREA	1992 MAY	CJ PERKINS	WHC ENVIRONMENTAL SURVEILLANCE ANNUAL REPORT 100 AREA	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D196100478">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D196100478</a>	Results of the near-field environmental surveillance program for the 16231626162316201617161416111609160516021600159815961594159215901588158715861584158215801578157615741572156815651562156015581556155415521549154715451541153815351533153153015271525152315211518151515131511150915071505150315011498149614941492149014871484148214791476147414721470146814661464146214601457145514521449144714451443144114361433143014281426142314211419141714151413141014081406140213991396139413901388138513831380137613731371136813641361135813541350134713451344 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 shut down 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
DOE/RL-91-53	Draft B	100-F	100-FR-3	1992 MAY	DOE-RL	REMEDIAL INVESTIGATION FEASIBILITY STUDY WORK PLAN FOR 100-FR-3 OU	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D196095891">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D196095891</a>	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. The 100-K Area consists of the 100-FR-3 groundwater OU and three source OUs (Figure 1-2). The 100-FR-3 OU includes all contamination found in the aquifer soils and water beneath the 100-K Area. Source OUs include facilities and unplanned release sites that are potential sources of contamination. A separate work plan has been initiated for the 100-FR-1 source OU.	D,H,P	G,Z,E,T	Y,S,X,P	A,M	Yes	Yes
SD-EN-AP-089	Rev. 0	100-F	100-FR-3	1992 JUN	JW ROBERTS	DESCRIPTION OF WORK FOR 100-FR-3 GROUNDWATER OU	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D196100207">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D196100207</a>	This description of work 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	G,Z,T	Y,S	A	No	No

Table B1. Annotated Bibliography

Document #	REV./Draft/Vol.	Area	Operable Unit	Date	Authors/ Originator	Title	Link	Summary	Background Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
DOEJRL-92-28	Draft A	HANFORD SITE	HANFORD SITE	1992 JUN	DOE-RL	COLUMBIA RIVER IMPACT EVALUATION PLAN	<a href="http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D196102620">http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D196102620</a>	The purpose of this report is to satisfy Milestone M-30-02, which is "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 operable unit work plans listed in M-30-03."	D,H,P	G,Z,E,T	Y,S,X,P	A,M	No	No
9203148		100-F	100-FR-1 100-FR-3	1992 JUN	PS INNIS	100-FR-1 AND 100-FR-3 OU WORK PLANS	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D196103637">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D196103637</a>	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 Operable Unit 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 Operable Unit Work Plan covers the objectives, procedures, tasks, and schedule for the investigation of 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
DOE/RL-93-83	Draft A	100-FR-3 100-F	100-FR-3 100-F	1994 APR	NA-1	LIMITED FIELD INVESTIGATION REPORT FOR 100-FR-3 OU	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D196084471">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D196084471</a>	This limited field investigation (LFI) was conducted to optimize the use of interim remedial measures (IRM) for expediting cleanup while maintaining a technically sound and cost-effective program. The 100-FR-3 Operable Unit is one of three operable units associated with the 100-F Area. Operable units 100-FR-1 and 100-FR-2 address contaminant sources, while 100-FR-3 addresses contamination present in the underlying groundwater. The IRM decision process for groundwater operable units is based primarily on three aspects: (1) is the concentration of a contaminant greater than Hanford background, (2) is there a medium or high risk for the occasional-use risk assessment scenario, and/or (3) is a potential applicable or relevant and appropriate requirement (ARAR) violated?	D,H,P	G,Z,E,T	Y,S,P	A,M	Yes	No
WHC-EP-0510	Rev. 01	100 AREA	100 AREA	1994 FEB	RE FITZNER, SG WEISS	BALD EAGLE SITE MANAGEMENT PLAN FOR HANFORD SITE SOUTH CENTRAL WASHINGTON	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D196015404">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D196015404</a>	This report is about the DOE's Bald Eagle Site Management Plan (BESMP) and their efforts to protect valuable eagle habitat and encourage propagation of the species. The bald eagle ( <i>Haliaeetus leucocephalus</i> ) has been studied on DOE's Hanford Site since 1961 and surveyed annually as part of the Environmental Surveillance Program of DOE's Richland Operations Office (RL). The plan provides background material about eagle use of the Hanford Site, discusses recent regulations by Washington State to protect eagles, describes eagle biology in more detail, and outlines activities to manage eagle use of the Site. This plan will be a living document to reflect the dynamic nature of bald eagles residing at Hanford.	D,H,P	E,T	S		No	No

Table B1. Annotated Bibliography

Document #	REV./Draft/Vol.	Area	Operable Unit	Date	Authors/ Originator	Title	Link	Summary	Background Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
WHC-EP-0609		100 AREA	100 AREA	1992 DEC	R. E. Peterson V. G. Johnson	Riverbank Seepage of Groundwater Along 100 Area Shoreline	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D196124079">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D196124079</a>	This report is about an extensive sampling project that was completed along the Columbia River shoreline adjacent to the retired production reactor areas (the 100 Areas) during September and October of 1991. Samples were collected during moderately low river stage and included riverbank seepage, sediments associated with the seepage, and near-shore river water. The following report provides a summary of the results and compares them with historical data on riverbank seepage and data from groundwater wells located near the river.	D,H,P	G,Z,T	Y,S,P	A,M	Yes	No
PNL-8971		100 AREA	100 AREA	1993 DEC	PD THORNE	THREE DIMENSIONAL CONCEPTUAL MODEL FOR HANFORD SITE UNCONFINED AQUIFER SYSTEM FY 1993 STATUS REPORT	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D199061223">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D199061223</a>	This report 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
SD-EN-TI-216	Rev. 0	100 AREA 200 AREA	100 AREA 200 AREA	1994 JAN	JA STEGEN	VEGETATION COMMUNITIES ASSOCIATED WITH 100 AREA AND 200 AREA FACILITIES ON HANFORD SITE	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D196101081">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D196101081</a>	This report contains maps and tables pertaining to the vegetation communities associated with the 100-F Area.		T			No	No
SD-EN-TI-221		100-F	100-FR-3	1994 JAN	RF RAIDL	GEOLOGY OF 100-FR-3 OU HANFORD SITE SOUTH CENTRAL WASHINGTON	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D196098540">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D196098540</a>	The purpose of this report is to describe the geology of the 100-FR-3 Operable Unit. The description is based on geologic data 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. The report is divided into two major parts: (1) a brief review of the Hanford Site regional geology taken largely from Reidel et al. (1992), Lindsey and Jaeger (1993), and Alexander et al. (1993); and (2) a detailed description of the 100-FR-3 Area geology.	D,H,P	G,Z,T			No	No

Table B1. Annotated Bibliography

Document #	REV./Draft/Vol.	Area	Operable Unit	Date	Authors/ Originator	Title	Link	Summary	Background Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
D196105803		100 AREA	100 AREA	1993 NOV	ED GOLLER	MEETING MINUTES UNIT MANAGERS MEETING 100 AGGREGATE AREA 100 AREA OU SEPTEMBER 29 1993	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D196105803">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D196105803</a>	This report 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
SD-EN-TC-004	Rev. 0	100 AREA	100 AREA	1993 SEPT	D BLUMENKRANZ, J FRAIN	100 AREA EXCAVATION TREATABILITY TEST PROCEDURES	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D196114513">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D196114513</a>	This document 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 1993). The test plan has been reviewed by the U.S. Department of Energy (DOE), the U.S. Environmental Protection Agency (EPA), the Washington State Department of Ecology (Ecology), and the public.	D,H,P	G,T	Y,S,P	A,M	Yes	Yes
PNL-8789		100 AREA	100 AREA	1993 SEPT	AT COOPER, RK WOODRUFF	INVESTIGATION OF EXPOSURE RATES AND RADIONUCLIDE AND TRACE METAL DISTRIBUTIONS ALONG HANFORD REACH OF COLUMBIA RIVER	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D196084641">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D196084641</a>	This report 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
N/A		100 AREA	100 AREA	1993 AUG	ED GOLLER	MEETING MINUTES UNIT MANAGERS MEETING 100 AGGREGATE AREA 100 AREA OU JULY 28 1993	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D196115230">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D196115230</a>	This report 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

Table B1. Annotated Bibliography

Document #	REV./Draft/Vol.	Area	Operable Unit	Date	Authors/ Originator	Title	Link	Summary	Background Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
9304743		100-F	100-FR-3	1993 JUN	SH WISNESS	VALIDATED DATA FOR 100-FR-3 OU LIMITED FIELD INVESTIGATION VALIDATED SOIL SAMPLE LABORATORY ANALYSIS	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D196105879">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D196105879</a>	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			No	No
N/A		100 AREA	100 AREA	1993 JUL	ED GOLLER	MEETING MINUTES UNIT MANAGERS MEETING 100 AGGREGATE AREA 100 AREA OU JUNE 23 1993	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D196107427">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D196107427</a>	This report 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 Operable Unit Limited Field Investigation Task 3 Geological Investigation is noted.	D	G,Z	Y,S	A	Yes	No
DOE/RL-91-53	Rev. 0	100-F	100-FR-3	1992 SEPT	NA-1	Remedial Investigation/Feasibility Study Work Plan for 100-FR-3 OU	<a href="http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D196110847">http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D196110847</a>	This work plan and the attached supporting project plans establish the operable unit setting and the objectives, procedures, tasks, and schedule for conducting the CERCLA remedial investigation/feasibility study (RI/FS) for the 100-FR-3 operable unit. The 100-K Area consists of the 100-FR-3 groundwater operable unit and two source operable units (Figure 1-2). The 100-FR-3 operable unit includes all contamination found in the aquifer soils and water beneath the 100-F Area. Source operable units include facilities and unplanned release sites that are potential sources of contamination. A separate work plan has been initiated for the 100-FR-1 source operable unit.	D,H,P	G,Z,C,E,T	Y,S,X,P	A,M	Yes	Yes
DOE/RL-92-28	Rev. 0	HANFORD SITE	HANFORD SITE	1993 JUN	DOE-RL	Columbia River Impact Evaluation Plan	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D196130965">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D196130965</a>	The purpose of this report is to satisfy Milestone M-30-02, which is, "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."	D,H,P	G,Z,E,T	Y,S,X,P	A,M	Yes	Yes

Table B1. Annotated Bibliography

Document #	REV./Draft/Vol.	Area	Operable Unit	Date	Authors/ Originator	Title	Link	Summary	Background Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
DOE/RL-93-04	Rev. 0	100 AREA	100 AREA	1993 MAY	DOE-RL	100 AREA EXCAVATION TREATABILITY TEST PLAN	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D196136746">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D196136746</a>	This test plan 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 feasibility study (FS) process.	D,H,P	G,T	Y,S,X,P	A.	Yes	Yes
PNL-8143		100 AREA	100 AREA	1992 SEPT	J. C. Chatters H. A. Gard P. E. Minthorn	Fiscal Year 1991 Report on Archaeological Surveys of 100 Areas	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D196109574">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D196109574</a>	This study consists of a literature and records review and surface survey. Procedures used in this endeavor follow specifications in the Hanford Cultural Resources Management Plan, Section 3.1.1 (Chatters 1989, pp. 3.2-.12). Literature review entailed a search of the HCRL's site survey files and archaeological site records. These records contain maps of previously surveyed areas and all recorded archaeological and historical sites. Literature on the nineteenth- and earlier twentieth-century human habitation of the Hanford Site was also reviewed to identify possible culturally important areas.	D,H,P	G,T			Yes	No
SD-EN-AP-097	Rev. 02	100 AREA	100 AREA	1992 OCT	FW GUSTAFSON	DESCRIPTION OF WORK FOR 100 AREA COLUMBIA RIVER SEDIMENT SAMPLING	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D196113638">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D196113638</a>	This report includes a map of the Columbia River Sediment Sampling Locations within the 100-F Area.	D	T			No	No
WHC-EP-0510		100 AREA	100AREA	1992 NOV	RE FITZNER, SG WEISS	Bald Eagle Site Management Plan for Hanford Site, South Central Washington	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D196110616">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D196110616</a>	Bald eagles regularly use the U.S. Department of Energy's Hanford Site in south central Washington State during winter months for roosting, perching, and foraging. Each of these activities requires buffer zones to protect eagles from human disturbances. The buffer zones have been recommended as a way to protect the eagles. Buffer zones developed in this plan follow recommended guidelines, and are intended to be used in planning and carrying out Comprehensive Environmental Response, Compensation, and Liability Act and/or Resource Conservation and Recovery Act investigations and other Hanford activities.	D,H	E,T			No	No

Table B1. Annotated Bibliography

Document #	REV./Draft/Vol.	Area	Operable Unit	Date	Authors/ Originator	Title	Link	Summary	Background Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
PNL-8337		100-BC 100-F 100-H 100-K 100-N	100-BC-5 100-FR-3 100-HR-3 100-KR-4 100-NR-2	1992 NOV	DR NEWCOMER, PD THORNE	SUMMARY AND EVALUATION OF AVAILALBE HYDRAULIC PROPERTY DATA FOR HANFORD SITE UNCONFINED AQUIFER SYSTEM	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D199061221">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D199061221</a>	This document contains two maps with 100-F Area locations: Figure 9, Measured Transmissivity Values Compiled for the Inverse Modeling Effort (Jacobson and Freshley 1990); and Figure 10, Transmissivity Distribution Estimated by the Inverse Calibration of the CFEST Model.	D,H	T			No	No
Accession Number D196116849		100 AREA	100 AREA	1992 OCT	ED GOLLER	MEETING MINUTES UNIT MANAGERS MEETING 100 AGGREGATE AREA 100 AREA OU SEPTEMBER 23 1992	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D196116849">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D196116849</a>	This report contains information on the 100-F Area: Attachment 12, 100-FR-1- 1993 Vadose Drilling-Table; Attachment 13, 100-FR-3 Operable Unit Work Plan 100-FR-3 Drilling Status-Table	D				No	No
11-AMRC-0092	Rev. 0	100-IU-6	100-IU-6	2001 FEB	MS FRENCH	TRANSMITTAL OF THE APPROVED WASTE SITE RECLASSIFICATION FORM AND SUPPORTING DOCUMENTATION FOR THE 600-109 HANFORD TRAILER CAMP LANDFILL REVISION 0	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=0084022">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=0084022</a>	The 600-109 Hanford Trailer Camp Landfill waste site is located in the 100-IU-6 Operable Unit. 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 Remove, Treat, and Dispose (RTD). Remediation occurred from January to March 2010.	D,H,P	G,Z,T	Y,S	A	Yes	No
DOE/RL-2009-43	Rev.0	100-F	100-FR-1	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 OPERABLE UNITS REMEDIAL INVESTIGATION/FEASIBILITY STUDY	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=1006220803">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=1006220803</a>	This sampling and analysis plan (SAP) supports the remedial investigation (RI)/feasibility study (FS) process for 100-F/IU-2/IU-6. The 100-F/IU-2/IU-6 areas are located on the Hanford Site in southeastern Washington State and are associated with four source operable units: 100-FR-1, 100-FR-2, 100-IU-2, and 100-IU-6. The 100-FR-3 groundwater Operable Unit underlies the four source operable units and portions of other groundwater operable units. This SAP describes the sampling and analysis to be performed associated with environmental investigation borings (boreholes) and groundwater monitoring wells.	D,H,P	G,Z,T	Y,S,X,P	A	Yes	No

Table B1. Annotated Bibliography

Document #	REV./Draft/Vol.	Area	Operable Unit	Date	Authors/ Originator	Title	Link	Summary	Background Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
10-AMRC-0152	Rev. 0	100-IU-6	100-IU-6	2010 AUG	MS FRENCH	TRANSMITTAL OF APPROVED WASTE SITE RECLASSIFICATION FORM AND SUPPORTING DOCUMENTATION FOR 600-146 WASTE SITE REVISION 0	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=0084271">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=0084271</a>	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, Purex "L" cell package, Radiological Survey Record, and Waste Characterization Data For Interim Closure.	D,H,P	G,Z,T	Y,S		No	No
DOE/RL-2008-46-ADD4	Rev. 0	100-F	100-FR-1 100-FR-2 100-FR-3 100-IU-2 100-IU-6	2010 MAY	NA	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	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=1006220804">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=1006220804</a>	This document is Addendum 4 of the Integrated 100 Area Remedial Investigation/Feasibility Study Work Plan (DOE/RL-2008-46). The purpose of a work plan is to explain the Remedial Investigation/ Feasibility Study (RI/ES) project background and rationale, and provide detailed plans for investigation of contaminated sites. This document supports final remedy selection under CERCLA for 100-F/IU-2/IU-6 at the Hanford Site.	D,H,P	G,Z,E,T	Y,S,X,P	A,M	Yes	Yes
2010-01	Rev. 0	100-IU-6	100-IU-6	2010 MAY	MS FRENCH	TRANSMITTAL OF APPROVED WASTE SITE RECLASSIFICATION FORM AND SUPPORTING DOCUMENTATION FOR THE 600-213 HANFORD AIRPORT UNDERGROUND FUEL STORAGE TANKS REVISION 0	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=0084401">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=0084401</a>	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
DOE/RL-2009-43	Rev. 0	100-F	100-FR-1	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 OPERABLE UNITS REMEDIAL INVESTIGATION/FEASIBILITY STUDY	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=1006220803">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=1006220803</a>	This sampling and analysis plan (SAP) supports the remedial investigation (RI)/feasibility study (FS) process for 100-F/IU-2/IU-6. The 100-F/IU-2/IU-6 areas are located on the Hanford Site in southeastern Washington State and are associated with four source operable units: 100-FR-1, 100-FR-2, 100-IU-2, and 100-IU-6. The 100-FR-3 Groundwater Operable Unit underlies the four source operable units and portions of other groundwater operable units. This SAP describes the sampling and analysis to be performed associated with environmental investigation borings (boreholes) and groundwater monitoring wells.	D,H,P	G,Z,T	Y,S,X,P	A	Yes	No

Table B1. Annotated Bibliography

Document #	REV./Draft/Vol.	Area	Operable Unit	Date	Authors/ Originator	Title	Link	Summary	Background Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
09-AMRC-0083	Rev. 0	100-IU-2	100-IU-2	2009 MAR	MS FRENCH	TRANSMITTAL OF THE 100-IU-2 AND 100-IU-6 AREAS ORPHAN SITES EVALUATION REPORT OSR-2008-0001 REV 0	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=0904080681">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=0904080681</a>	This report summarizes 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. The orphan sites evaluation process is a systematic approach to review land parcels and identify potential waste sites in the River Corridor that are not currently listed in existing Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) decision documents (e.g., records of decision [RODs]). Evaluations consist of comprehensive reviews of historical documentation (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
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	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=0902180730">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=0902180730</a>	The 600-149 waste site is located within the 100-IU-6 Operable Unit on the Hanford Site in southeastern 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-AMCP-0015		100-IU-2	100-IU-2	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	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=0810240400">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=0810240400</a>	The purpose of this letter is to provide the Statement of Dispute pursuant to Article XVI, Paragraph 59, of the Tri-Party Agreement thereby elevating this dispute to the Inter-Agency Management Integration Team (IAMIT). On September 18, 2008, DOE-RL received the EPA letter documenting EPA's disapproval of Tri-Party Agreement Change Form M-16-08-06. This letter contains Attachments: ATTACHMENT 1 - CHRONOLOGY OF EVENTS FOR THE 100-IU-2/6 MILESTONE (M-0016-56). ATTACHMENT 2 - SUMMARY OF EVENTS ON THE HISTORICAL PROPERTIES PROCESS AT 100-IU-2 AND 100-IU-6.	D,H,P	Z			No	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 OSR 2008-0001 DRAFT A FOR REVIEW	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=DA07391100">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=DA07391100</a>	This report summarizes 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. The orphan sites evaluation process is a systematic approach to review land parcels and identify potential waste sites in the River Corridor that are not currently listed in existing Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) decision documents (e.g., documents, drawings, maps, and photographs), field investigations, and geophysical surveys (as needed).	D,H,P	G,Z,T	Y,S,X	A,M	Yes	No

Table B1. Annotated Bibliography

Document #	REV./Draft/Vol.	Area	Operable Unit	Date	Authors/ Originator	Title	Link	Summary	Background Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
06-AMRC-0045		100-IU-2 100-IU-6	100-IU-2 100-IU-6	2005 NOV	DT EVANS	REMEDICATION OF 600-202 WASTE SITE ON HANFORD SITE	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=DA01376449">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=DA01376449</a>	This document is a letter of notification by the U.S Department of Energy, (RL), of the planned remediation of 600-202 waste site deemed as 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
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	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=DA451338">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=DA451338</a>	This remedial action work scope is 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 Operable Units. 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. This document contains two maps on the air monitoring sites and one of a site overview.	D,H,P	E,T			No	No
DOE/RL-96-22	Rev. 4	100 AREA	100 AREA	2004 SEPT	DOE-RL	100 AREA REMEDIAL ACTION SAMPLING AND ANALYSIS PLAN	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D6542136">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D6542136</a>	This sampling and analysis plan (SAP) 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-96-17	Rev. 5	100 AREA	100 AREA	2004 SEPT	DOE-RL	REMEDIAL DESIGN REPORT REMEDIAL ACTION WORK PLAN FOR 100 AREA	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D6542354">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D6542354</a>	This document 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, 1 00-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

Table B1. Annotated Bibliography

Document #	REV./Draft/Vol.	Area	Operable Unit	Date	Authors/ Originator	Title	Link	Summary	Background Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
2004-098		100-IU-6	100-IU-6	2004 AUG	DC SMITH, LE GADBOIS	WASTE SITE RECLASSIFICATION FORM 100-IU-6 600-98	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D6054247">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D6054247</a>	A reclassification status of no action has been determined for the 600-98 site, the East White Bluffs City Landfill. The site achieves the remedial action objectives and the corresponding remedial action goals. 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	Y	A	Yes	Yes
DOE/RL-96-17	Rev. 5, Draft 8 Redline	100 AREA	100 AREA	2004 FEB	DOE-RL	REMEDIAL DESIGN REPORT REMEDIAL ACTION WORK PLAN FOR 100 AREA	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D5452664">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D5452664</a>	This document addresses the remedial designs and remedial actions for high-priority 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
DOE/RL-96-22		100 AREA	100 AREA	2003 JUN	DOE-RL	100 AREA REMEDIAL ACTION SAMPLING AND ANALYSIS PLAN	<a href="http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D2229403">http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D2229403</a>	This sampling and analysis plan presents the rationale and strategies for the sampling, onsite measurements, and analyses that will be conducted during the remediation of the 100 Area waste sites. These waste sites are past practice waste units located at the 100-BC-1, 100-BC-2, 100-DR-1, 100-DR-2, 100-HR-1, 100-FR-1, 100-FR-2, 100-KR-1, 100-IU-2, and 100-IU-6 Operable Units.	D,H,P	G,Z,E,T	Y,S,X	A	Yes	Yes
Accession Number D8350914		IU-6 IU-2 100-BC	IU-6 IU-2 100-BC	2000 JUN	M GEARHEARD, MA WILSON, HL BOSTON	EXPLANATION OF SIGNIFICANT DIFFERENCE FOR 100 AREA REMAINING SITES RECORD OF DECISION USDOE HANFORD 100 AREA 100-IU-6 OU	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D8350914">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D8350914</a>	The 600-23 and JA Jones #1 waste sites have been determined by the Tri-Parties 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 has been 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. This report contains a map showing the location of the 100-IU-6 Operable Unit and Waste Sites 600-23.	D,H,P	G,E,T	Y,S,X		Yes	No

Table B1. Annotated Bibliography

Document #	REV./Draft/Vol.	Area	Operable Unit	Date	Authors/ Originator	Title	Link	Summary	Background Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
DOE/RL-95-108	Rev. 0	100-IU-2 100-IU-6	100-IU-2 100-IU-6	1996 OCT	DOE-RL	APPROACH AND PLAN FOR CLEANUP ACTIONS IN 100-IU-2 AND 100-IU-6 OU OF HANFORD SITE	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D197188879">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D197188879</a>	This document discussed the use of an administrative approach similar to that recently developed for the 100-KR-2 Operable Unit to be used to reach cleanup decisions under CERCLA, also known as "Superfund," for the 100-IU-2 and 100-IU-6 Operable Units. The proposed plan, to be produced by the U.S. Department of Energy (DOE) based on the focused feasibility study, will recommend a preferred alternative for cleaning up waste sites, for public comment and review. Two maps are included showing approximate proposed boundaries of the 100-IU-2 and 100-IU-6 operable units and approximate locations and number of monitoring wells near the 100-IU-2 and 100-IU-6 operable units that were searched for hydrocarbon contamination.	D,H,P	G,Z,E,T	S,X		Yes	Yes
37392		100 ARE	100 AREA	1996 OCT	N WERDEL	MEETING MINUTES UNIT MANAGERS MEETING REMEDIAL ACTION AND WASTE DISPOSAL UNIT SOURCE OU FEBRUARY 15 1996	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D196245766">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D196245766</a>	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 RCRA/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	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D196245765">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D196245765</a>	This document addressed the joint EPA/Ecology letter on the 100 Area Record of Decision Strategy. It was recommended that the 100-IU-2 and 100-IU-6 Operable Units (OUs) be addressed through Washington State regulations (e.g., solid waste regulations) rather than the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 ( 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	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D196245762">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D196245762</a>	This document gives the status for the 100-IU-2 and 100-IU-6 OUs as follows: 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. 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 has arisen and will require some discussion among agency unit managers to resolve.	D,P				No	No

Table B1. Annotated Bibliography

Document #	REV./Draft/Vol.	Area	Operable Unit	Date	Authors/ Originator	Title	Link	Summary	Background Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
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	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D197226586">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D197226586</a>	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/ feasibility study process for the 100-IU-2 and 100-IU-6 Operable Units has been met. Also the 100-IU-2 and 100-IU-6 Focus Package (Rev. 0) was transmitted to EPA and Ecology by RL in mid-October 1996. The submittal supports RL's fulfillment of the requirements of the Hanford Federal Facility Agreement and Consent Order.	D,P				No	No
D198019475		100 AREA	100 AREA	1997 OCT	DOE-RL	REMEDY SELECTION PROCESS FOR REMAINING 100 AREA SOURCE OU WASTE SITES	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D198019475">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D198019475</a>	This document focuses on all 100 Area source operable unit 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 Operable Units 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
DOE/RL-97-83		100 AREA	100 AREA	1997 NOV	DOE-RL	PROPOSED PLAN FOR INTERIM REMEDIAL ACTIONS AT 100 AREA REMAINING SITES	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D198019232">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D198019232</a>	This document identifies the preferred alternative for interim remedial actions at waste sites in the 100 Areas of the Hanford Site. 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 Operable Units on the Hanford Site. This contamination may present a risk to human health or the environment. This document contains pages of Tables of Remaining Sites for Confirmatory Sampling for contaminants of potential concern in the 100 areas (some 100-F areas). Included also is a map of the Hanford Site showing the Reactors in the 100 Areas and the Environmental Restoration Disposal Facility.	D,H,P	G,Z,E,T	S,X	A	Yes	Yes
119566		100 AREA	100 AREA	2005 MAR	KM THOMPSON	MEETING MINUTES UNIT MANAGERS MEETING 100 AREA REMEDIAL ACTION UNIT SOURCE OU OCTOBER 28 2004	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D7605618">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D7605618</a>	This document contains information about the 100-F and 100-IU-2/IU-6 Area design and assessment activities in remaining sites.	D,P				No	No

Table B1. Annotated Bibliography

Document #	REV./Draft/Vol.	Area	Operable Unit	Date	Authors/ Originator	Title	Link	Summary	Background Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
2004-062		100-IU-6	100-IU-6	2004 AUG	DC SMITH, LE GADBOIS	WASTE SITE RECLASSIFICATION FORM 100-IU-6 600-110	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D5920865">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D5920865</a>	This document is about the no action decision for the 600-110 site. This decision 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	G,Z,T	Y	A	Yes	Yes
114449		100 AREA	100 AREA	2004 JUN	AC TORTOSO, DC SMITH	MEETING MINUTES UNIT MANAGERS MEETING 100 AREA REMEDIAL ACTION UNIT SOURCE OU FEBRUARY 26 2004	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D5382792">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D5382792</a>	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			No	No
2003-43		100-IU-6	100-IU-6	2003 SEPT	HE BILSON, LE GADBOIS	WASTE SITE RECLASSIFICATION FORM 100-IU-6 600-204	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D2985607">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D2985607</a>	The basis for reclassification is described in detail in the Waste Site Evaluation for 600-104 Hanford Townsite Burn and Burial Trench Calculation Brief. The calculation brief demonstrates that based on a preponderance of 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. The waste site evaluation summary is attached.	D,H,P	G,Z	Y		Yes	No
DOE/RL-97-83	Rev. 0	100 AREA	100 AREA	1998 OCT	DOE-RL	PROPOSED PLAN FOR INTERIM REMEDIAL ACTIONS AT 100 AREA REMAINING SITES	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D198209197">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D198209197</a>	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 Operable Units in the 100 Area and one Operable Unit in the 200 Area of the Hanford Site. 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

Table B1. Annotated Bibliography

Document #	REV./Draft/Vol.	Area	Operable Unit	Date	Authors/ Originator	Title	Link	Summary	Background Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
DOE/RL-94-61	Rev. 0	100 AREA	100 AREA	1998 OCT	DOE-RL	REMEDY SELECTION PROCESS FOR REMAINING SOURCE OU WASTE SITES	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D198209199">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D198209199</a>	This document has been prepared as an appendix to the 100 Area Source Operable Unit Focused Feasibility Study (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 the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) and the Resource Conservation and Recovery Act of 1976 (RCRA).	D,H,P	G,Z,E,T	Y,S,X	A	Yes	Yes
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	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D198055909">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D198055909</a>	This document comprised of 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
N/A		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	<a href="http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D199153689">http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D199153689</a>	This decision document presents the selected interim remedial actions for portions of the U.S. Department of Energy (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 the Hanford Site's ERDF.	D,H,P	G,Z,E,T	Y,S,X,P	A	Yes	Yes
DOE/RL-99-58		100 AREA	100 AREA	1999 SEPT	DOE-RL	SAMPLING AND ANALYSIS PLAN FOR 100 AREA REMAINING SITES	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D8226011">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D8226011</a>	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. This SAP is based on the Data Quality Objectives Summary Report for the 100 Area Remaining Confirmatory Sampling Effort Sites.	D,H,P	G,Z	Y,S,X	A	Yes	Yes

Table B1. Annotated Bibliography

Document #	REV./Draft/Vol.	Area	Operable Unit	Date	Authors/ Originator	Title	Link	Summary	Background Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
2003-033		100-IU-6	100-IU-6	2004 FEB	HE BILSON, LE GADBOIS	WASTE SITE RECLASSIFICATION FORM 100-IU-6 600-107	<a href="http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D4854875">http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D4854875</a>	The Waste Site Evaluation for 600-107, 213-J and K Cribbs (BHI 2004) 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 remedial action objectives and the corresponding remedial action goals. 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	Y	A	No	No
CVP-2001-00020	Rev. 0	100-IU-6	100-IU-6	2001 DEC	BHI	CLEANUP VERIFICATION PACKAGE FOR 600-23 DUMPING AREA	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D8930482">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D8930482</a>	This CVP documents 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 in southeastern Washington. The 600-23 site is part of the 100-IU-6 Operable Unit, and is located north of the Wye Barricade and south of the Hanford Townsite.	D,H,P	G,Z,T	Y,S	A	Yes	No
DOE/RL-99-58	Rev. 0	100 AREA	100 AREA	2000 SEPT	DOE-RL	SAMPLING AND ANALYSIS PLAN FOR 100 AREA REMAINING SITES	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D8501259">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D8501259</a>	The purpose of the proposed sampling and analysis activities is the characterization of these waste 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 Operable Units), 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-2000-59	Revision A	100 AREA	100 AREA	2000 AUG	DOE-RL	SAMPLING AND ANALYSIS PLAN FOR AQUIFER SAMPLING TUBES	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D8509895">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D8509895</a>	This sampling and analysis plan 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

Table B1. Annotated Bibliography

Document #	REV./Draft/Vol.	Area	Operable Unit	Date	Authors/ Originator	Title	Link	Summary	Background Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
DOE/RL-99-58	1-A	100 AREA 300 AREA	100 AREA 300 AREA	2003 FEB	DOE-RL	SAMPLING AND ANALYSIS PLAN FOR 100 300 AREA REMAINING SITES	<a href="http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D0999190">http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D0999190</a>	This sampling and analysis plan (SAP) presents the strategy for sampling and analysis activities that will support no action or remediation (i.e., remove, treat, or dispose [RTD]) decisions for the 100/300 Area "remaining sites."	D,H,P	G,Z,	Y,S,X,P	A	Yes	No
DOE/RL-2000-59	Revision 0	HANFORD SITE	HANFORD SITE	2000 OCT	DOE-RL	SAMPLING AND ANALYSIS PLAN FOR AQUIFER SAMPLING TUBES	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D8510131">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D8510131</a>	This sampling and analysis plan (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.	D,H,P	G,Z,T	Y,P	A	No	No
Not listed.		100-F	100-FR-1	1990 JUN	K BREWER	DOG STUDIES IN 100-F AREA PROJECT CVO30419.B0.02	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D196069094">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D196069094</a>	Jim Parks worked at the animal research facilities in F Area from 1961 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
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	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=1004190827">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=1004190827</a>	This document is a Change Notice for Modifying Approved Documents/ Workplans In Accordance with the Tri-Party Agreement Action Plan. 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

Table B1. Annotated Bibliography

Document #	REV./Draft/Vol.	Area	Operable Unit	Date	Authors/ Originator	Title	Link	Summary	Background Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
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	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=0806260025">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=0806260025</a>	This sampling and analysis plan (SAP) directs nonintrusive characterization activities that will be performed at the 618-10 and 618-11 Burial Grounds in the 600 Area of the Hanford Site. The characterization activities prescribed will provide data and information needed for planning future intrusive characterization activities (if required), and/or remediation strategies for the vertical pipe units (VPUs), 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
DOE/RL-99-58	REV1, DRAFT A	100-F	100-FR-1	2003 FEB	DOE-RL	SAMPLING AND ANALYSIS PLAN FOR 100/300 AREA REMAINING SITES	<a href="http://www5.hanford.gov/pdw/fsd/ar/fsd0001/fsd0002/d0999190/d0999190_223.pdf">http://www5.hanford.gov/pdw/fsd/ar/fsd0001/fsd0002/d0999190/d0999190_223.pdf</a>	This sampling and analysis plan (SAP) presents the strategy for sampling and analysis activities that will support no action or remediation (i.e., remove, treat, or dispose [RTD]) decisions for the 100/300 Area "remaining sites." This SAP is based on the Data Quality Objectives Summary Report for 100/300Area Remaining Sites Analytical Sampling Effort (BHI 2003). The term "candidate site" has been used in this SAP to distinguish the remaining sites from source and solid waste sites where contaminant levels are known to exceed action levels. Insufficient information is currently available to determine if the candidate sites require remediation or no action.	D,H,P	G	Y,S	A,M	YES	No
DOE/RL-94-46	REV 0	100 200 300 1100 AREA	100 200 300 1100 AREA	1994 SEPT	DOE-RL	ENVIRONMENTAL RESTORATION PROGRAM TECHNOLOGY BASELINE PLAN	<a href="http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0034/D196055720/D196055720_5727_58.pdf">http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0034/D196055720/D196055720_5727_58.pdf</a>	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
Not listed.		100-F	100-FR-1	1990 MAY	K BREWER	NOTES FROM 100-F AREA SITE VISIT PROJECT CV030419.BO.02	<a href="http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0039/D196069173/D196069173_6609_4.pdf">http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0039/D196069173/D196069173_6609_4.pdf</a>	This is a set of notes from 100-F Area Site Visit. It provides some good descriptions.	D				NO	NO

Table B1. Annotated Bibliography

Document #	REV./Draft/Vol.	Area	Operable Unit	Date	Authors/ Originator	Title	Link	Summary	Background 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	MT STANKOVICH	SOURCE INVESTIGATION FIELD ACTIVITIES FOR 100-FR-1 OU DESCRIPTION OF WORK	<a href="http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0038/D196103560/D196103560_9716_18.pdf">http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0038/D196103560/D196103560_9716_18.pdf</a>	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 limited field investigation 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
WHC-EP-0216		100 AREAS	100 AREAS	1989 FEB	WHC	PRELIMINARY OU DESIGNATION PROJECT	<a href="http://www5.hanford.gov/pdw/fsd/ar/fsd0001/fsd0001/d195060570/d195060570_1068.pdf">http://www5.hanford.gov/pdw/fsd/ar/fsd0001/fsd0001/d195060570/d195060570_1068.pdf</a>	The objective of the Preliminary Operable Units Designation Project was to provide an initial operable unit organization to support the ongoing Tri-Party Agreement negotiations. The large number of individual units and complexity of contaminant distribution prevents a definitive designation at this time. All maps and unit designations must be considered preliminary. However, significant effort and cross-checking were applied to make sure that all known waste management units at the Hanford Site were considered and that available geologic, hydrologic, and contamination data were examined for all major areas. Some modification to the approach and basis for developing operable units is included.	D,H,P	G,Z	Y,S,P	A	NO	NO
PNL-6456		100 AREAS	100 AREAS	1988 OCT	RD STENNER	HAZARD RANKING SYSTEM EVALUATION OF CERCLA INACTIVE WASTE SITES AT HANFORD [SECTION 1 OF 3]	<a href="http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0041/D196006954/D196006954_2395.pdf">http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0041/D196006954/D196006954_2395.pdf</a>	This report contains the results of the individual site Hazard Ranking System (HRS) evaluations conducted as part of the preliminary assessment/site inspection (PA/SI) activities performed at the U.S. Department of Energy (DOE) Hanford Site. The HRS evaluation of the Hanford Site was conducted under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) requirements of the DOE orders that address the cleanup of inactive waste sites. It includes all of the operable units in the 100 Area.	D	G,C,Z	Y		YES	NO
PNL-6456		100 AREAS	100-F	1988 OCT	RD STENNER	HAZARD RANKING SYSTEM EVALUATION OF CERCLA INACTIVE WASTE SITES AT HANFORD [SECTION 3 OF 3]	<a href="http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0041/D196007000/D196007000_2397.pdf">http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0041/D196007000/D196007000_2397.pdf</a>	This report contains the results of the individual site Hazard Ranking System (HRS) evaluations conducted as part of the preliminary assessment/site inspection (PA/SI) activities performed at the U.S. Department of Energy (DOE) Hanford Site. The HRS evaluation of the Hanford Site was conducted under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) requirements of the DOE orders that address the cleanup of inactive waste sites. It includes all of the operable units in the 100 Area.	D	G,C,Z	Y		YES	NO

Table B1. Annotated Bibliography

Document #	REV./Draft/Vol.	Area	Operable Unit	Date	Authors/ Originator	Title	Link	Summary	Background Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
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 100/300 AREA REMAINING SITES	<a href="http://www5.hanford.gov/pdw/fsd/ar/fsd0001/fsd0002/d0999190/d0999190_223.pdf">http://www5.hanford.gov/pdw/fsd/ar/fsd0001/fsd0002/d0999190/d0999190_223.pdf</a>	This sampling and analysis plan presents the strategy for sampling and analysis activities that will support no action or remediation (i.e., remove, treat, or dispose) decisions for the 100/300 Area "remaining sites." Therefore, the purpose of the sampling and analysis activities indicated is to collect sufficient data to support RTD or no action decisions. This SAP is based on the Data Quality Objectives Summary Report for 100/300 Area Remaining Sites Analytical Sampling Effort.	D,H,P	G	Y	A,M	YES	YES
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	<a href="http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0033/D196020540/D196020540_3344_56.pdf">http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0033/D196020540/D196020540_3344_56.pdf</a>	The White Bluffs Pickling Acid Crib 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 Operable Unit (Figures 1 and 2). The groundwater will be investigated as part of the 100-IU-2 Operable Unit. 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 Crib Site, which is south of the White Bluffs Townsite in the 600 Area, is the only site identified in the 100-IU-5 Operable Unit. The purpose of this risk assessment is to provide a human health and ecological risk assessment for the White Bluffs Pickling Acid Crib Site.	D,H,P	G	Y,S		YES	NO
DOE/RL-93-102		100 AREAS	100 AREAS	1994 SEPT	DOE-RL	FY 1995 HANFORD MISSION PLAN VOLUME ONE SITE GUIDANCE	<a href="http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0033/D196020115/D196020115_3285_110.pdf">http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0033/D196020115/D196020115_3285_110.pdf</a>	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. This guidance is an 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. Although all of the Hanford sites are mentioned, there is some information about the 100 Area.	D	Z	P		YES	YES
DOE/RL-94-46	REV 0	HANFORD SITE	HANFORD SITE	1994 SEPT	DOE-RL	ENVIRONMENTAL RESTORATION PROGRAM TECHNOLOGY BASELINE PLAN	<a href="http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0034/D196055720/D196055720_5727_58.pdf">http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0034/D196055720/D196055720_5727_58.pdf</a>	This document identifies baseline technologies that are anticipated for use in Hanford Site remediation activities. The objective in presenting this information is to facilitate interaction within and among interested groups involved in importing, adapting, or developing project-specific remediation technologies that offer enhancements to the baseline in terms of environmental protection, implementation schedule, and cost.	D	G,Z	X	A	YES	NO

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Document #	REV./Draft/Vol.	Area	Operable Unit	Date	Authors/ Originator	Title	Link	Summary	Background Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
Not listed.		HANFORD SITE	HANFORD SITE	1993 NOV	DOE-RL	HANFORD UPDATE VOLUME 5 NO NOVEMBER 1993	<a href="http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0036/D196107085/D196107085_10279_12.pdf">http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0036/D196107085/D196107085_10279_12.pdf</a>	This is a 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
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	<a href="http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0046/D196107768/D196107768_58649333_77486_28.pdf">http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0046/D196107768/D196107768_58649333_77486_28.pdf</a>	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 (TRU) 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
08-AMRC-0175		100-F	100-FR-1	2008 MAY	JF FRANCO	TRANSMITTAL OF APPROVED WASTE SITE RECLASSIFICATION FORM AND SUPPORTING DOCUMENTATION FOR THE 100-F- 54 ANIMAL FARM PASTURES	<a href="http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0043/0805130109/0077223%20-%20[0805130109].PDF">http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0043/0805130109/0077223%20-%20[0805130109].PDF</a>	The 100-F-54 site, part of the 100-FR-1 Operable Unit, is the soil associated with the former pastures for holding domestic farm animals used in experimental toxicology studies. Evaluation of historical information resulted in identification of the experimental animal farm pastures as having potential for residual soil contamination resulting from excrement from animals housed for use in laboratory experiments conducted at the 100-F Area. Most of the animal studies were conducted in a laboratory complex of buildings located northeast of the 105-F Reactor Building. Recent field observations indicate that only two pasture areas are present that are relatively undisturbed, potentially exhibit soil representative of the pasture, and are available for sampling. 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	Z,G,E	Y,S	A,M	YES	NO
CVP-2001-00003		100-AREA	100-FR-1	2003 JUL	DOE-RL	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	<a href="http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0015/D5613085/D5613085_23711_295.pdf">http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0015/D5613085/D5613085_23711_295.pdf</a>	This cleanup verification package (CVP) 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 Experimental Animal Farm (EAF) Process Sewer Pipeline sites that were co-located with the 100-F-19 pipelines and were remediated along with the pipelines. These sites (100-17-19:2, 116-F-11, UPR-100-F-1, and 100-F-29) are collectively referred to as the 100-F-19:2 site throughout this CVP.	D,H,P	G,Z,T	Y	A,M	YES	YES

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Document #	REV./Draft/Vol.	Area	Operable Unit	Date	Authors/ Originator	Title	Link	Summary	Background Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
DOE/RL-99-58		100-AREA	100-BC-1 100-BC-2 100-DR-1 100-DR-2 100-FR-1	2003 FEB	DOE-RL	SAMPLING AND ANALYSIS PLAN FOR 100/300 AREA REMAINING SITES	<a href="http://www5.hanford.gov/pdw/fsd/ar/fsd0001/fsd0002/d0999190/d0999190_223.pdf">http://www5.hanford.gov/pdw/fsd/ar/fsd0001/fsd0002/d0999190/d0999190_223.pdf</a>	This sampling and analysis plan (SAP) presents the strategy for sampling and analysis activities that will support no action or remediation (i.e., remove, treat, or dispose [RTD]) decisions for the 100/300 Area "remaining sites." The objective of this project is to establish sampling and analysis strategies for analytical sampling of 100/300 Area candidate sites. This SAP directs data/information collection activities to support RTD or no action decisions for the existing candidate sites and any new sites identified in the future.	D,H,P		Y	A,M	YES	YES
2001-095		100-F	100-FR-1	2002 FEB	D FAULK, DC SMITH	WASTE SITE RECLASSIFICATION FORM 100-FR-1 100-F-40 ANIMAL FARM SURFACE IMPOUNDMENT	<a href="http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0019/D9003807/D9003807_30511_15.pdf">http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0019/D9003807/D9003807_30511_15.pdf</a>	A recently discovered historical photo of the 100-F Area Experimental Animal Farm (EAF) indicates a liquid waste disposal pond. The waste site was designated as " 100-F-40 Animal Farm Surface Impoundment." The current site is located in an open, cobble field with no vegetation. No signs of the waste site are present on the ground surface. In April 2001, two test pits were excavated to locate and characterize this site.	D,H,P		Y	A,M	YES	NO
PNNL-13327		100-F	100-FR-3	2000 SEPT	MD SWEENEY	GROUNDWATER SAMPLING AND ANALYSIS PLAN FOR 100-FR-3 OU	<a href="http://www5.hanford.gov/pdw/fsd/ar/fsd0001/fsd0002/d1659970/d1659970_731.pdf">http://www5.hanford.gov/pdw/fsd/ar/fsd0001/fsd0002/d1659970/d1659970_731.pdf</a>	The purpose of this plan is to describe groundwater sampling and analysis for the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) in the 100-FR-3 Operable Unit. The plan describes the well network, constituents analyzed, sampling protocol, and reporting and quality assurance requirements. The 100-FR-3 Operable Unit is the groundwater/surface water operable unit associated with past nuclear reactor operations in the 100-F Area of the U.S. Department of Energy's (DOE's) Hanford Site. The operable unit includes the groundwater below the source operable units (100-FR-1 and 100-FR-2) plus the adjacent groundwater, surface water, sediments, and aquatic biota impacted by 100-F Area operations.	D,H,P	Z,G,E		A	NO	NO
DOE/RL-94-61 APPENDIX L	REV A	100-F	100-FR-2	1995 AUG	DOE-RL	100 AREA SOURCE OU FOCUSED FEASIBILITY STUDY 100-FR-2 OU APPENDIX L	<a href="http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0032/D196006750/D196006750_2363.pdf">http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0032/D196006750/D196006750_2363.pdf</a>	As discussed in the main text of the Process Document, the approach for the RI/FS activities for the 100 Areas has been defined in the Hanford Past Practice Strategy (HPPS) (DOE-RL 1991). The HPPS emphasizes timely integration of ongoing site characterization activities into the decision making process (the observational approach) and expedites the remedial action process by emphasizing the use of interim remedial measures (IRMs). This 100-FR-2 FFS, therefore, evaluates the remedial alternatives for interim action at nine IRM candidate waste sites within the 100-FR-2 Source Operable Unit, 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

Table B1. Annotated Bibliography

Document #	REV./Draft/Vol.	Area	Operable Unit	Date	Authors/ Originator	Title	Link	Summary	Background Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
DOE/RL-95-38	REV 0	100-F	100-FR-2	1995 JUN	DOE-RL	APPROACH AND PLAN FOR CLEANUP ACTIONS IN 100-FR-2 OU HANFORD SITE	<a href="http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0033/D196007371/D196007371_2459.pdf">http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0033/D196007371/D196007371_2459.pdf</a>	A new administrative approach is being used to reach a cleanup decision for the 100-FR-2 Operable Unit. The unit, located at the 100-F Area, contains solid waste sites and is one of the remaining operable units scheduled for characterization and cleanup in the 100 Area. Substantial information has been gained over the past 3 years in previous 100 Area operable units, which will help decision makers make decisions on the 100-FR-2 Operable Unit. This Focus Package (1) describes the new approach and activities needed to reach a decision on cleanup actions for the 100-FR-2 Operable Unit, 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 100-FR-1 OU	<a href="http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0033/D196015056/D196015056_2955_17.pdf">http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0033/D196015056/D196015056_2955_17.pdf</a>	This proposed plan 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 Operable Unit, located at the Hanford Site. The plan also summarizes other remedial alternatives evaluated for interim remedial measures in this operable unit. 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-91-53	REV. 0	100-F	100-FR-3	1992 SEPT	DOE-RL	REMEDIAL INVESTIGATION FEASIBILITY STUDY WORK PLAN FOR 100-FR-3 OU	<a href="http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0038/D196110847/D196110847_10688_382.pdf">http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0038/D196110847/D196110847_10688_382.pdf</a>	This work plan and the attached supporting project plans establish the operable unit setting and the objectives, procedures, tasks, and schedule for conducting the CERCLA remedial investigation/ feasibility study (RI/FS) for the 100-FR-3 operable unit. The 100-K Area consists of the 100-FR-3 groundwater operable unit and two source operable units (Figure 1-2). The 100-FR-3 Operable Unit includes all contamination found in the aquifer soils and water beneath the 100-F Area. Source operable units include facilities and unplanned release sites that are potential sources of contamination.	D,H,P	T,G,Z,E,C	Y,S	A,M	YES	YES
9203148		100-F	100-FR-1 100-FR-3	1992 JUN	PS INNIS	100-FR-1 AND 100-FR-3 OU WORK PLANS	<a href="http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0038/D196103637/D196103637_9738_31.pdf">http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0038/D196103637/D196103637_9738_31.pdf</a>	This document includes an excerpt from the 100-FR-1 Operable Unit Work Plan. The work plans are comprehensive technical documents that establish the objectives, procedures, tasks and schedule for conducting the CERCLA remedial investigations and feasibility studies for all operable units on the Hanford Site. The enclosed section gives an overview of the process by which these investigations are completed.	D	G,Z,E,C		A	YES	YES

Table B1. Annotated Bibliography

Document #	REV./Draft/Vol.	Area	Operable Unit	Date	Authors/ Originator	Title	Link	Summary	Background Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
N/A		100-F	100-FR-1	1990 JUN	K BREWER	100-F AREA ANIMAL FARM PROJECT CVO30419.BO.02	<a href="http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0039/D196069095/D196069095_6608_2.pdf">http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0039/D196069095/D196069095_6608_2.pdf</a>	This document explains in detail the activities that occurred at the animal farm .	D,H,P	E			NO	NO
DOE/RL-94-61 APPENDIX L	REV. A	100-f	100-FR-2	1995 AUG	DOE-RL	100 AREA SOURCE OU FOCUSED FEASIBILITY STUDY 100-FR-2 OU APPENDIX L	<a href="http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0032/D196006750/D196006750_2363.pdf">http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0032/D196006750/D196006750_2363.pdf</a>	This operable unit-specific 100-FR-2 Focused Feasibility Study (FFS) is prepared in support of the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) remedial investigation/feasibility study (RI/FS) process for the 100 Areas. This 100-FR-2 FFS, therefore, evaluates the remedial alternatives for interim action at nine IRM candidate waste sites within the 100-FR-2 Source Operable Unit, and provides the information needed for the timely selection of the most appropriate interim action at each waste site.	D,H,P	E,G,Z	Y,S	A	YES	YES
DOE/RL-93-83	REV. A	100-AREA	100-FR-3	1994 APR	DOE-RL	LIMITED FIELD INVESTIGATION REPORT FOR 100-FR-3 OU	<a href="http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0035/D196084471/D196084471_7846_86.pdf">http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0035/D196084471/D196084471_7846_86.pdf</a>	This limited field investigation (LFI) was conducted to optimize the use of interim remedial measures (IRM) for expediting cleanup while maintaining a technically sound and cost-effective program. The 100-FR-3 Operable Unit is one of three operable units associated with the 100-F Area. Operable units 100-FR-1 and 100-FR-2 address contaminant sources while 100-FR-3 addresses contamination present in the underlying groundwater.	D,H,P	E,G,Z,T	Y,S	A	YES	YES
SD-EN-AP-094	REV 0	100-F	100-FR-1	1992 JUN	MT STANKOVICH	SOURCE INVESTIGATION FIELD ACTIVITIES FOR 100-FR-1 OU DESCRIPTION OF WORK	<a href="http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0038/D196103558/D196103558_9715_15.pdf">http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0038/D196103558/D196103558_9715_15.pdf</a>	This document details the field activities associated with nonintrusive source sampling in the 100-FR-1 Operable Unit of the Hanford Site and will serve as a field guide for those performing the work (DOE/RL 1991, Task 2). It should be used in conjunction with the Remedial Investigation/ Feasibility Study Work Plan for the 100-FR-1 Operable Unit for general investigation strategy and with Environmental Investigations and Site Characterization Manual (WHC 1988a) for specific procedures. This description of work describes specific limited field investigation (LFI) activities and sampling locations in accordance with discussions at the June 27, 1991, 100 Area work plan rescoping meeting.	D,H,P	E	Y,S	A	YES	NO

Table B1. Annotated Bibliography

Document #	REV./Draft/Vol.	Area	Operable Unit	Date	Authors/ Originator	Title	Link	Summary	Background Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
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	<a href="http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0029/D196245762/D196245762_14253_14.pdf">http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0029/D196245762/D196245762_14253_14.pdf</a>	This document consists of meeting minutes and the issue of how potential groundwater contamination originating from 100-IU-2 waste sites is mentioned, along with other sites in the 100 Area.	D				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	<a href="http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0030/D196245765/D196245765_14256_25.pdf">http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0030/D196245765/D196245765_14256_25.pdf</a>	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
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	<a href="http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0030/D196245767/D196245767_14258_14.pdf">http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0030/D196245767/D196245767_14258_14.pdf</a>	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
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	<a href="http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0030/D197189148/D197189148_16068_24.pdf">http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0030/D197189148/D197189148_16068_24.pdf</a>	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

Table B1. Annotated Bibliography

Document #	REV./Draft/Vol.	Area	Operable Unit	Date	Authors/ Originator	Title	Link	Summary	Background Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
31127		100-F	100-FR-3	1996 MAY	AC TORTOSO	RESPONSE TO COMMENTS ON 100-FR-3 OU FOCUSED FEASIBILITY STUDY DOE/RL 94-58 DRAFT B	<a href="http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0030/D196119061/D196119061_11590_13.pdf">http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0030/D196119061/D196119061_11590_13.pdf</a>	The Focused Feasibility Study Report for the 100-FR-3 Operable Unit 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 LFI and QRA reports state that the concentrations of arsenic, chromium, manganese, nitrate/nitrite, 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 (HQ) of greater than 1 under the frequent-use scenario.	D	Z,E	Y	A,M	YES	YES
11-AMRC-0052	DRAFT A	100 F	100-IU-2	2010 DEC	MS FRENCH	TRANSMITTAL OF THE 100F/IU-2/IU-6 AREA SEGMENT 3 ORPHAN SITES EVALUATION REPORT OSR-2010-0004 DRAFT A	<a href="http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0063/1012291063/10122910631.PDF">http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0063/1012291063/10122910631.PDF</a>	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 the 100-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
TPA-CN-400	REV. 0	100-F	100-FR-1	2010 NOV	BL CHARBONEAU	TRI-PARTY AGREEMENT 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	<a href="http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0064/1101200856/11012008561.PDF">http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0064/1101200856/11012008561.PDF</a>	This appendix identifies the location, frequency, and sampling and analysis requirements and seven methods for collection of groundwater samples from beneath the 600-127 waste site excavation. As part of the ongoing CERCLA 100-IU-6 OU remediation activities west of the 100-F Area, 600-127 vadose zone soil was excavated to the groundwater table to address contamination from unplanned releases of petroleum products stored at the site during operations. The excavation is uniformly approximately 8.75 m (29 ft) bgs deep and the excavation floor represents the groundwater level at the time that the excavation was completed.	D,H	G,Z	Y,S,X	A	NO	NO
11-AMRC-0031	REV. 0	100-AREA	100-IU-2	2010 NOV	MS 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	<a href="http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0062/0084157/11-AMRC-0031 - Letter [1011230524] - 1.pdf">http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0062/0084157/11-AMRC-0031 - Letter [1011230524] - 1.pdf</a>	The 600-345, 100-BC Vicinity Oil Stain and Filter Area waste site, located in the 100-IU-2 Operable Unit, 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

Table B1. Annotated Bibliography

Document #	REV./Draft/Vol.	Area	Operable Unit	Date	Authors/ Originator	Title	Link	Summary	Background Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
11-AMRC-0030	REV. 0	100-AREA	100-IU-2	2010 NOV	MS FRENCH	TRANSMITTAL OF APPROVED WASTE SITE RECLASSIFICATION FORM AND SUPPORTING DOCUMENTATION FOR THE 600-344 INTER AREAS STAIN #1 REVISION 0	<a href="http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0062/0084158/11-AMRC-0030-Letter%201011230471-1.pdf">http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0062/0084158/11-AMRC-0030 - Letter [1011230471] - 1.pdf</a>	The 600-344, Inter Areas Stain Site #1 waste site, located in the 100-IU-2 Operable Unit, was an area stained with pre-Hanford metal container lids, measuring approximately 11 m (36 ft) across. Based on observations during the site visit of 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 remedial action objectives and remedial action goals (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-0029	REV 0	100-AREA	100-IU-2	2010 NOV	MS FRENCH	TRANSMITTAL OF APPROVED WASTE SITE RECLASSIFICATION FORM AND SUPPORTING DOCUMENTATION FOR THE 600-341:2 INTER AREAS BATTERY REMNANT AREA #1B REVISION 0	<a href="http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0062/0084159/11-AMRC-0029-Letter%201011230480-1.pdf">http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0062/0084159/11-AMRC-0029 - Letter [1011230480] - 1.pdf</a>	The 600-341:2, Inter Areas Battery Remnant Area #1B subsite, located in the 100-IU-2 Operable Unit, 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 remedial action objectives (RAOs) and remedial action goals (RAGs) for the 600-341:2 subsite. 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
TPA-CN-391	REV 0	100-F	100-FR-1	2010 NOV	BL CHARBONEAU	TRI-PARTY AGREEMENT 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	<a href="http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0062/1012090501/[1012090501].PDF">http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0062/1012090501/[1012090501].PDF</a>	Sampling and Analysis Plan for the 100-FR-1,100-FR-2, 100-FR-3, 100-IU-2, and 100-IU-6 March 2010 Operable Units Remedial Investigation/Feasibility Study. The purpose of this section is to identify the sampling locations and define the sampling and analysis requirements associated with collection of pore water samples. Pore water samples will be collected from locations along two near-shore transects within the Columbia River. Figure B-I shows the previous pore water sample locations and the proposed region along which additional pore water samples will be collected. The actual sample locations will be determined in the field based on conditions encountered. Table B-1 represents a summary of sample locations, intervals, and analyses.	D		Y,S	A	NO	NO
119566		100-AREA	100-IU-2 100-IU-6 100-F	2005 MAR	KM THOMPSON	MEETING MINUTES UNIT MANAGERS MEETING 100 AREA REMEDIAL ACTION UNIT SOURCE OU OCTOBER 28 2004	<a href="http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0013/D7605618/D7605618_25564_44.pdf">http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0013/D7605618/D7605618_25564_44.pdf</a>	100-IU-2 and 100-IU-6 Remaining Sites - Rich Carlson, ERC, reported that the 100-IU-2 and 100-IU-6 Operable Units remedial design was initiated in October 2004. Based on observations made during the waste sites walkdown, will require remediation. Dennis Faulk, U.S. Environmental Protection Agency (EPA), and Larry Gadbois, EPA, agreed that the recent Remaining Sites ROD Explanation of Significant Difference (ESD) authorizes remediation of this waste site. The waste site will be added to the ROD when the next ESD is prepared. Surface debris (primarily batteries) was removed at the 600-129 and 600-191 waste sites. A remaining sites verification package (RSVP) will now be written to reclassify the waste sites to interim closed. This document also mentions 100-F Area.	D		Y	A	NO	NO

Table B1. Annotated Bibliography

Document #	REV./Draft/Vol.	Area	Operable Unit	Date	Authors/ Originator	Title	Link	Summary	Background Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
TPA-CN-400		100-F	100-FR-3	2010 NOV	BL CHARBONEAU DOE-RL	TRI-PARTY AGREEMENT 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	<a href="http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0064/1101200856/11012008561.PDF">http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0064/1101200856/11012008561.PDF</a>	This change adds new Appendix C, Groundwater Sampling at the 600-12 7 Excavation, to sampling and analysis plan (SAP) DOE/RL-2009-43, Rev. 0. 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-39 1.	D	Z	Y		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	BL CHARBONEAU DOE-RL	TRI-PARTY AGREEMENT 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	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=1012090501">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=1012090501</a>	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, Rev. 0: 3.6 Sampling Methods, 3.7 Sample Handling, 3.8 Management of Waste.	D	Z	Y		NO	NO
10-AMRC-0176	REV 0	100-F	100-IU-2 100-IU-6	2010 SEPT	MS FRENCH DOE-ORP	TRANSMITTAL OF THE 100-F/IU-2/IU-6 AREA SEGEMENT 2 ORPHAN SITES EVALUATION REPORT OSR-2010-0001 REVISION 0	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=1011050051">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=1011050051</a>	The purpose of the orphan sites evaluation 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. This report summarizes the approach used and results obtained from the orphan sites evaluations of the 1 00-F/IU-2/IU-6 Area - Segment 2. The evaluations were conducted between March 2009 and January 2010.	D,H,P	G,T		M	NO	NO
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	<a href="http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0056/1006220804/11062208041.PDF">http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0056/1006220804/11062208041.PDF</a>	This document is Addendum 4 to DOE/RL-2008-46, Integrated 100 Area Remedial Investigation/ Feasibility Study Work Plan, hereafter referred to as the Integrated Work Plan. This addendum describes 100-F/IU-2/IU-6 and planned efforts to conduct a remedial investigation (RI) and feasibility study (FS) in support of a final record of decision (ROD) for the 100-FR-1, 100-FR-2, 100-IU-2, and 100-IU-6 Source Operable Units (OUs), and the 100-FR-3 Groundwater OU. Figure 1-1 presents the relationship between the RI/FS work plan and this addendum.	D,H,P	G,Z,E,T	Y,S,X,P	A,M	YES	YES

Table B1. Annotated Bibliography

Document #	REV./Draft/Vol.	Area	Operable Unit	Date	Authors/ Originator	Title	Link	Summary	Background Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
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	MS MCCORMICK 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	<a href="http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0052/0095782/09-AMCP-0214_-_Letter_[0909290791]_-_1.pdf">http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0052/0095782/09-AMCP-0214_-_Letter_[0909290791]_-_1.pdf</a>	This document is Addendum 4 to DOE/RL-2008-46, Integrated 100 Area Remedial Investigation/ Feasibility Study Work Plan, hereafter referred to as the Integrated Work Plan. This addendum describes 100-F/IU-2/IU-6 and planned efforts to conduct a remedial investigation (RI) and feasibility study (FS) in support of a final record of decision (ROD) for the 100-FR-1, 100-FR-2, 100-IU-2, and 100-IU-6 Source Operable Units (OUs), and the 100-FR-3 Groundwater OU. Figure 1-1 presents the relationship between the RI/FS work plan and this addendum.	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 OPERABLE UNITS REMEDIAL INVESTIGATION/FEASIBILITY STUDY	<a href="http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0056/1006220803/11062208031.PDF">http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0056/1006220803/11062208031.PDF</a>	This sampling and analysis plan supports the remedial investigation (RI)/feasibility study (FS) process for 100-F/IU-2/IU-6. The 100-F/IU-2/IU-6 areas are associated with four source operable units: 100-FR-1, 100-FR-2, 100-IU-2, and 100-IU-6. The 100-FR-3 Groundwater Operable Unit underlies the four source operable units and portions of other groundwater operable units. This SAP describes the sampling and analysis to be performed associated with environmental investigation borings and groundwater monitoring wells.	D,P	Z	Y	M	NO	NO
TPA-CN-329		100-F	100-FR-3	2010 MAR	BL CHARBONEAU DOE-RL	TRI-PARTY AGREEMENT TPA CHANGE NOTICE FORM WASTE CONTROL PLAN FOR THE 100-FR-3 OPERABLE UNIT DOE/RL-2004-31 REV1	<a href="http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0055/0084687/TPA%20CN-329%20for%20100-FR-3%20OU%20WCP%20032510%20(2).pdf">http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0055/0084687/TPA%20CN-329%20for%20100-FR-3%20OU%20WCP%20032510%20(2).pdf</a>	Appendix 3 in the Waste Control Plan for the 100-FR-3 Operable Unit needs to be updated to include three new wells. This document has a one-page update of this list.	D				NO	NO
09-AMRC-0209	REV 0	100-F	100-FR-2	2009 SEPT	MS FRENCH DOE/RL	TRANSMITTAL OF DOCUMENT ENTITLED 100-FR-2 OPERABLE UNIT (OU) INTERIM REMEDIAL ACTION REPORT (DOE/RL-2009-63 REVISION 0)	<a href="http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0052/0095791/09-AMRC-0209_-_Letter_[0909280707]_-_1.pdf">http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0052/0095791/09-AMRC-0209_-_Letter_[0909280707]_-_1.pdf</a>	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

Table B1. Annotated Bibliography

Document #	REV./Draft/Vol.	Area	Operable Unit	Date	Authors/ Originator	Title	Link	Summary	Background Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
09-AMRC-0171		100-F	100-FR-1	2009 AUG	MS FRENCH DOE/RL	CLOSEOUT OF ACTIVITIES RELATED TO BAT HABITAT AT THE 183-F CLEARWELL	<a href="http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0052/0908250084/09082500841.PDF">http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0052/0908250084/09082500841.PDF</a>	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-long (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 clear-well.	D	E	Y		YES	NO
09-AMRC-0159	REV 0	100-F	100-FR-1	2009 JUNE	MS FRENCH DOE/RL	TRANSMITTAL OF APPROVED REMAINING SITES VERIFICATION PACKAGE FOR THE 100-F-53 108-F SEPTIC SYSTEM REVISION 0	<a href="http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0052/0907221203/09072212031.PDF">http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0052/0907221203/09072212031.PDF</a>	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
2008-016		100-F	100-FR-1	2009 APR	MS FRENCH DOE/RL	WASTE SITE RECLASSIFICATION FORM OPERABLE UNIT 100-FR-1 WASTE SITE CODE 100-F-44:5	<a href="http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0051/0906020140/09060201401.PDF">http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0051/0906020140/09060201401.PDF</a>	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
09-AMRC-0029	REV 0	100-F	100-FR-1	2008 NOV	HM 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	<a href="http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0048/0812030159/0079383%20-%2008120301591.PDF">http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0048/0812030159/0079383%20-%2008120301591.PDF</a>	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

Table B1. Annotated Bibliography

Document #	REV./Draft/Vol.	Area	Operable Unit	Date	Authors/ Originator	Title	Link	Summary	Background Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
09-AMRC-0026	REV 0	100-F	100-FR-1	2008 NOV	MS FRENCH DOE/RL	TRANSMITTAL OF APPROVED REMAINING SITES VERIFICATION PACKAGE FOR THE 100-F-26:9 1607-F2 SANITARY SEWER PIPELINES REVISION 0	<a href="http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0048/0812030144/007_9362%20-%2008120301441.PDF">http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0048/0812030144/007_9362%20-%2008120301441.PDF</a>	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 remedial action objectives and the corresponding remedial action goals established in the Remaining Sites ROD. The 100-F-26:9 1607-F2 Sanitary Sewer Pipelines subsite sample results demonstrate that the site achieves the remedial action objectives and remedial action goals. 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-0004	REV 0	100-F	100-FR-1	2008 OCT	MS 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	<a href="http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0047/0810230113/007_8957%20-%2008102301131.PDF">http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0047/0810230113/007_8957%20-%2008102301131.PDF</a>	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
08-AMRC-0229	REV 0	100-F	100-FR-1	2008 OCT	MS FRENCH DOE/RL	TRANSMITTAL OF APPROVED REMAINING SITES VERIFICATION PACKAGE FOR REMAINING SITES VERIFICATION PACKAGE FOR 100-F-46 119-F STACK SAMPLING FRENCH DRAIN REVISION 0	<a href="http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0045/0809170997/007_8749%20-%2008091709971.PDF">http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0045/0809170997/007_8749%20-%2008091709971.PDF</a>	The 100-F-46, 119-F Stack Sampling French drain, site confirmatory sample results demonstrate that the site achieves the remedial action objectives and remedial action goals. 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-0219	REV. 0	100-F	100-FR-1	2008 AUG	MS 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	<a href="http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0045/0808180170/007_8627%20-%2008081801701.PDF">http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0045/0808180170/007_8627%20-%2008081801701.PDF</a>	The 100-F-52, 146-FR Radioecology and Aquatic Biology Laboratory waste site confirmatory sample results demonstrate that the site achieves the remedial action objectives and remedial action goals. 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

Table B1. Annotated Bibliography

Document #	REV./Draft/Vol.	Area	Operable Unit	Date	Authors/ Originator	Title	Link	Summary	Background Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
08-AMRC-0199	REV. 0	100-F	100-FR-1	2008 JUN	MS FRENCH DOE/RL	TRANSMITTAL OF APPROVED REMAINING SITES VERIFICATION PACKAGE FOR THE 100-F-44:2 DISCOVERY PIPELINE NEAR 108-F BUILDING REVISION 0	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=0806240069">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=0806240069</a>	The sample results for the 100-F-44:2 subsite demonstrate that the site achieves the remedial action objectives and remedial action goals. 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-0175		100-F	100-FR-1	2008 MAY	JS FRANCO DOE/RL	TRANSMITTAL OF APPROVED WASTE SITE RECLASSIFICATION FORM AND SUPPORTING DOCUMENTATION FOR THE 100-F-54 ANIMAL FARM PASTURES	<a href="http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0043/0805130109/0077223%20-%2008051301091.PDF">http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0043/0805130109/0077223%20-%2008051301091.PDF</a>	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,P	E	Y,X	A	NO	NO
2007-034		100-F	100-FR-1	2008 APR	SL CHARBONEAU, RA LOBOS DOE-RL, EPA	WASTE SITE RECLASSIFICATION FORM 100-FR-1 100-F-26:12	<a href="http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0043/0805290317/0077589%20-%2008052903171.PDF">http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0043/0805290317/0077589%20-%2008052903171.PDF</a>	The 100-F-26: 12, 1.8-m (72-in.) Main Process Sewer Pipeline subsite sample results demonstrate that the site achieves the remedial action objectives and remedial action goals. 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
2007-001		100-F	100-FR-2	2008 APR	SL CHARBONEAU, RA LOBOS DOE-RL, EPA	WASTE SITE RECLASSIFICATION FORM 100-FR-2 100-F-50	<a href="http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0043/0805050105/0077013%20-%2008050501051.PDF">http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0043/0805050105/0077013%20-%2008050501051.PDF</a>	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

Table B1. Annotated Bibliography

Document #	REV./Draft/Vol.	Area	Operable Unit	Date	Authors/ Originator	Title	Link	Summary	Background Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
2004-130		100-F	100-FR-1	2008 MAR	SL CHARBONEAU DOE-RL	WASTE SITE RECLASSIFICATION FORM 100-FR-1 1607-F1	<a href="http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0043/0804220049/0076888%20-%20(0804220049).PDF">http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0043/0804220049/0076888%20-%20(0804220049).PDF</a>	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
08-AMRC-0145	REV 0	100-F	100-FR-1	2008 MAR	JS FRANCO DOE/RL	TRANSMITTAL OF APPROVED CLEANUP VERIFICATION PACKAGE FOR 118-F-8:4 FUEL STORAGE BASIN WEAT SIDE ADJACENT AND SIDE SLOPE SOILS CVP-2007-00004 REV 0	<a href="http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0043/0804030111/0076728%20-%20(0804030111).PDF">http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0043/0804030111/0076728%20-%20(0804030111).PDF</a>	This cleanup verification package documents completion of remedial action, sampling activities, and compliance with cleanup criteria for the 11 8-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 remedial action objectives 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
RSVP-2005-011		100-F	100-FR-1	2008 MAR	JS FRANCO DOE/RL	Remaining Sites Verification Package for the 100-F-26:13, 108-F Drain Pipelines, Waste Site Reclassification Form 2005- 011	<a href="http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=4&amp;osti_id=944137&amp;Row=22">http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=4&amp;osti_id=944137&amp;Row=22</a>	This report 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,P	E	Y,X	A	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	<a href="http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0044/DA06940881/1.PDF">http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0044/DA06940881/1.PDF</a>	The 100-F-26:14 116-F-5 Influent Pipelines waste site confirmatory sample results demonstrate that the site achieves the remedial action objectives and remedial action goals. 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

Table B1. Annotated Bibliography

Document #	REV./Draft/Vol.	Area	Operable Unit	Date	Authors/ Originator	Title	Link	Summary	Background Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
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	<a href="http://www.osti.gov/bridge/product_biblio.jsp?query_id=3&amp;page=3&amp;osti_id=944197&amp;Row=19">http://www.osti.gov/bridge/product_biblio.jsp?query_id=3&amp;page=3&amp;osti_id=944197&amp;Row=19</a>	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
2005-004		100-F	100-FR-1	2008 MAR	SL CHARBONEAU DOE-RL	WASTE SITE RECLASSIFICATION FORM 100-FR-1 100-F-26:8	<a href="http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0043/0804220050/0076890%20-%20[0804220050].PDF">http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0043/0804220050/0076890%20-%20[0804220050].PDF</a>	This report demonstrates that the 1607-FI 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
CVP-2007-00003	REV 0	100-F	100-FR-2	2008 MAR	WCH	CLEANUP VERIFICATION PACKAGE FOR 118-F-5 PNL SAWDUST PIT	<a href="http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0043/0805290309/0077581%20-%20[0805290309].PDF">http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0043/0805290309/0077581%20-%20[0805290309].PDF</a>	This report 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 (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
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	<a href="http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0049/0901220524/0079924%20-%20[0901220524].PDF">http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0049/0901220524/0079924%20-%20[0901220524].PDF</a>	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 remedial action objectives, and the corresponding remedial action goals established in the Remaining Sites ROD. 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

Table B1. Annotated Bibliography

Document #	REV./Draft/Vol.	Area	Operable Unit	Date	Authors/ Originator	Title	Link	Summary	Background Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
RSVP-2007-028		100-F	100-FR-1	2007 DEC	SL CHARBONEAU, RA LOBOS DOE-RL, EPA	WASTE SITE RECLASSIFICATION FORM 100-FR-1 100-F-26:10	<a href="http://www5.hanford.gov/arpir/?content=detail&amp;AKey=DA06476628">http://www5.hanford.gov/arpir/?content=detail&amp;AKey=DA06476628</a>	The 100-F-26: 10, 1607F3 Sanitary Sewer Pipeline subsite sample results demonstrate that the site achieves the remedial action objectives and remedial action goals. 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
2004-131		100-F	100-FR-1	2007 DEC	SL CHARBONEAU, RA LOBOS DOE-RL, EPA	WASTE SITE RECLASSIFICATION FORM 100-FR-1 1607-F4	<a href="http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0019/DA06476730/1.PDF">http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0019/DA06476730/1.PDF</a>	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
2007-011		100-F	100-FR-1	2007 OCT	SL CHARBONEAU, DOE-RL,	WASTE SITE RECLASSIFICATION FORM 100-FR-1 100-F-44:10	<a href="http://www5.hanford.gov/pdw/fsd/ar/fsd0001/fsd0001/da05973778/1.pdf">http://www5.hanford.gov/pdw/fsd/ar/fsd0001/fsd0001/da05973778/1.pdf</a>	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
136177		100 AREA	100-BC-5 100-FR-3 100-HR-3 100-KR-4 100-NR-2	2007 OCT	S CHARBONEAU, B CHARBONEAU DOE-RL	MEETING MINUTES UNIT MANAGERS MEETING 100 AREA 300 AREA GROUNDWATER SOURCE OU FACILITY [D4 AND ISS] AND MISSION COMPLETION SEPTEMBER 13 2007	<a href="http://www5.hanford.gov/pdw/fsd/ar/fsd0001/fsd0001/da06040448/1.pdf">http://www5.hanford.gov/pdw/fsd/ar/fsd0001/fsd0001/da06040448/1.pdf</a>	These meeting minutes contain an attachment that refers to 100-F, entitled, "Air Monitoring Plan for the 100-F Area Burial Grounds and Remaining Sites Remedial Action" from September 2007.	D,P		Y,X	A	NO	NO

Table B1. Annotated Bibliography

Document #	REV./Draft/Vol.	Area	Operable Unit	Date	Authors/ Originator	Title	Link	Summary	Background Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
CVP-2002-00004		100-F	100-FR-2	2007 OCT	WCH	CLEANUP VERIFICATION PACKAGE FOR 126-F-1 184-F POWERHOUSE ASH PIT	<a href="http://www5.hanford.gov/pdw/fsd/ar/f/sd0001/fsd0001/da06101373/1.pdf">http://www5.hanford.gov/pdw/fsd/ar/f/sd0001/fsd0001/da06101373/1.pdf</a>	This cleanup verification package documents completion of remedial action for the 126-F-1, 184-F Powerhouse Ash Pit. The 126-F-1 site received coal ash from the 100-F Area coal-fired steam plant that operated from 1944 to 1965. Leakage of process effluent from the 116-F-14, 107-F Retention Basins flowed south into the ash pit, contaminating the northern portion of the ash pit. Thus, the northern and southern portions of the ash pit have been addressed separately.	D,P	G,Z	Y,S,X	A	YES	NO
2007-012		100-F	100-FR-1	2007 AUG	SL CHARBONEAU, RA LOBOS DOE-RL, EPA	WASTE SITE RECLASSIFICATION FORM 100-F-44:7 100-FR-1	<a href="http://www5.hanford.gov/pdw/fsd/ar/f/sd0001/fsd0002/da05686845/1.pdf">http://www5.hanford.gov/pdw/fsd/ar/f/sd0001/fsd0002/da05686845/1.pdf</a>	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 attached form.	D,H,P	Z	Y,X		NO	NO
2007-002		100-F	100-FR-1	2007 MAY	KD BAZZELL, RA LOBOS DOE-RL, EPA	WASTE SITE RECLASSIFICATION FORM 100-FR-1 100-F-36	<a href="http://www5.hanford.gov/pdw/fsd/ar/f/sd0001/fsd0003/da05186824/da05186824_39022_82.pdf">http://www5.hanford.gov/pdw/fsd/ar/f/sd0001/fsd0003/da05186824/da05186824_39022_82.pdf</a>	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
2007-007		100-F	100-FR-1	2007 MAY	KD BAZZELL, RA LOBOS DOE-RL, EPA	WASTE SITE RECLASSIFICATION FORM 100-FR-1 100-F-44-6	<a href="http://www5.hanford.gov/pdw/fsd/ar/f/sd0001/fsd0003/da05001323/da05001323_38861_6.pdf">http://www5.hanford.gov/pdw/fsd/ar/f/sd0001/fsd0003/da05001323/da05001323_38861_6.pdf</a>	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

Table B1. Annotated Bibliography

Document #	REV./Draft/Vol.	Area	Operable Unit	Date	Authors/ Originator	Title	Link	Summary	Background Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
2007-005		100-F	100-FR-1	2007 APR	KD BAZZELL, RA LOBOS DOE-RL, EPA	WASTE SITE RECLASSIFICATION FORM 100-FR-1 100-F-44-1	<a href="http://www5.hanford.gov/pdw/fsd/ar/f/sd0001/fsd0003/da05001332/da05001332_38863_5.pdf">http://www5.hanford.gov/pdw/fsd/ar/f/sd0001/fsd0003/da05001332/da05001332_38863_5.pdf</a>	Evaluation of the confirmatory sample results for the 100-F-26:1 satisfied the remedial action objects 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
2006-047		100-F	100-FR-1	2007 APR	DOE-RL	WASTE SITE RECLASSIFICATION FORM 100-FR-1 1607-F3	<a href="http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0045/DA05001340/DA05001340_58815227_79444_83.pdf">http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0045/DA05001340/DA05001340_58815227_79444_83.pdf</a>	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	DC SMITH, RA LOBOS DOE-RL, EPA	WASTE SITE RECLASSIFICATION FORM 100-FR-1 100-F-41	<a href="http://www5.hanford.gov/pdw/fsd/ar/f/sd0001/fsd0004/da04508712/da04508712_38184_5.pdf">http://www5.hanford.gov/pdw/fsd/ar/f/sd0001/fsd0004/da04508712/da04508712_38184_5.pdf</a>	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
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	<a href="http://www5.hanford.gov/pdw/fsd/ar/f/sd0001/fsd0004/da04485283/da04485283_38157_70.pdf">http://www5.hanford.gov/pdw/fsd/ar/f/sd0001/fsd0004/da04485283/da04485283_38157_70.pdf</a>	The 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 attached Cleanup Verification Package for the 100-F-20.	D,P	Z,T	Y,X	A,M	NO	NO

Table B1. Annotated Bibliography

Document #	REV./Draft/Vol.	Area	Operable Unit	Date	Authors/ Originator	Title	Link	Summary	Background Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
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	<a href="http://www5.hanford.gov/pdw/fsd/ar/f/sd0001/fsd0004/da03893998/DA04027533_37728_76.pdf">http://www5.hanford.gov/pdw/fsd/ar/f/sd0001/fsd0004/da03893998/DA04027533_37728_76.pdf</a>	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
CVP-2006-00007	REV. 0	100-F	100-FR-2	2007 JAN	WCH	CLEANUP VERIFICATION PACKAGE FOR 118-F-7 100-F MISCELLANEOUS HARDWARE STORAGE VAULT	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=DA04027818">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=DA04027818</a>	The results of verification sampling of the soils at the 118-F-7 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. Time basis for reclassification is described in detail in the attached Cleanup Verification Package for the 118-F-7, 100-F Miscellaneous Hardware Storage Vault.	D,P	Z,T	Y,X	A,M	NO	NO
2006-038		100-F	100-FR-1	2006 OCT	DOE-RL	WASTE SITE RECLASSIFICATION FORM 100-FR-1 116-F-8	<a href="http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0045/DA03897516/DA03897516_58805799_79404_84.pdf">http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0045/DA03897516/DA03897516_58805799_79404_84.pdf</a>	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 cleanup verification packages 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
2006-043		100-F	100-FR-1	2006 SEPT	DC SMITH, RA LOBOS DOE-RL, EPA	WASTE SITE RECLASSIFICATION FORM 100-FR-1 1607-F5	<a href="http://www5.hanford.gov/pdw/fsd/ar/f/sd0001/fsd0007/da03768299/da03768299_37130_61.pdf">http://www5.hanford.gov/pdw/fsd/ar/f/sd0001/fsd0007/da03768299/da03768299_37130_61.pdf</a>	The 1607-F5 waste site has been remediated to meet the remedial action objectives specified in the Remaining Sites ROD. 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 attached Remaining Sites Verification Package for the 1607-F5 Sanitary Sewer System (12 -F-5).	D,P	G,Z	Y	A	YES	NO

Table B1. Annotated Bibliography

Document #	REV./Draft/Vol.	Area	Operable Unit	Date	Authors/ Originator	Title	Link	Summary	Background Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
2006-021		100-F	100-FR-1	2006 AUG	DC SMITH, RA LOBOS DOE-RL, EPA	WASTE SITE RECLASSIFICATION FORM 100-FR-1 100-F-33	<a href="http://www5.hanford.gov/pdw/fsd/ar/f/sd0001/fsd0007/da03633571/da03633571_36688_75.pdf">http://www5.hanford.gov/pdw/fsd/ar/f/sd0001/fsd0007/da03633571/da03633571_36688_75.pdf</a>	The 100-F-33, 146-F Aquatic Biology Fish Ponds site meets the remedial action objectives specified in the Remaining Sites ROD. 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 attached Remaining Sites Verification Package for the 100-17-33, 146-F Aquatic Biology Fish Ponds.	D,P	G,Z	Y	A	YES	NO
2006-033		100-F	100-FR-1	2006 AUG	DC SMITH, RA LOBOS DOE-RL, EPA	WASTE SITE RECLASSIFICATION FORM 100-FR-1 100-F-31	<a href="http://www5.hanford.gov/pdw/fsd/ar/f/sd0001/fsd0007/da03633660/da03633660_36692_74.pdf">http://www5.hanford.gov/pdw/fsd/ar/f/sd0001/fsd0007/da03633660/da03633660_36692_74.pdf</a>	The 100-F-31 waste site has been remediated to meet the remedial action objectives specified in the Remaining Sites ROD. 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 attached Remaining Sites Verification Package for the 100-F-31, 144-F Sanitary Sewer System.	D,P	G,Z	Y	A	YES	NO
2006-029		100-F	100-FR-1	2006 AUG	DC SMITH, RA LOBOS DOE-RL, EPA	WASTE SITE RECLASSIFICATION FORM 100-FR-1 132-F-1	<a href="http://www5.hanford.gov/pdw/fsd/ar/f/sd0001/fsd0007/da03630611/da03630611_36668_51.pdf">http://www5.hanford.gov/pdw/fsd/ar/f/sd0001/fsd0007/da03630611/da03630611_36668_51.pdf</a>	The 132-F-1 waste site has been remediated to meet the remedial action objectives specified in the Remaining Sites ROD. 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 attached Remaining Sites Verification Package for 132-F-1, 141-F Chronic Feeding Sheep Barn.	D,P	G,Z	Y	A	YES	NO
2006-027		100-F	100-FR-1	2006 MAY	DC SMITH, RA LOBOS DOE-RL, EPA	WASTE SITE RECLASSIFICATION FORM 100-FR-1 141-C	<a href="http://www5.hanford.gov/pdw/fsd/ar/f/sd0001/fsd0006/da02754894/da02754894_35844_62.pdf">http://www5.hanford.gov/pdw/fsd/ar/f/sd0001/fsd0006/da02754894/da02754894_35844_62.pdf</a>	The 141-C waste site has been remediated to meet the remedial action objectives specified in the Remaining Sites ROD. 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 attached Remaining Sites verification Package for the 141-C Large Animal Barn and Biology Laboratory (Hog Barn).	D,P	G,Z	Y	A	YES	NO

Table B1. Annotated Bibliography

Document #	REV./Draft/Vol.	Area	Operable Unit	Date	Authors/ Originator	Title	Link	Summary	Background Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
2006-017		100-F	100-FR-1	2006 MAY	DC SMITH, RA LOBOS DOE-RL, EPA	WASTE SITE RECLASSIFICATION FORM 100-FR-1 126-F-2	<a href="http://www5.hanford.gov/pdw/fsd/ar/f/sd0001/fsd0006/da02604338/da02604338_35717_18.pdf">http://www5.hanford.gov/pdw/fsd/ar/f/sd0001/fsd0006/da02604338/da02604338_35717_18.pdf</a>	The 126-F-2 waste site has been remediated to meet the remedial action objectives specified in the Remaining Sites ROD. The results of radiological surveys and visual inspection of the remediated cleanwell 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
2004-093		100-F	100-FR-1	2006 MAR	DC SMITH, DOE-RL	WASTE SITE RECLASSIFICATION FORM 100-FR-1 100-F-38	<a href="http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0008/DA02171852/DA02171852_35056_28.pdf">http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0008/DA02171852/DA02171852_35056_28.pdf</a>	The 100-F-38 Stained Soil site meets the remedial action objectives specified in the Remaining Sites ROD. 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 attached Remaining Sites Verification Package for 100-F-38 Stained Soil Site. (attached).	D,H,P	Z	Y,X	A	YES	NO
06-AMRC-0048		100-F	100-FR-1 100-FR-2	2005 NOV	DT EVANS DOE-RL	AIR MONITORING PLAN ADDENDUM FOR 100-5 AREA BURIAL GROUNDS AND REMAINING SITES OCTOBER 2005	<a href="http://www5.hanford.gov/arpir/?content=detail&amp;AKey=DA01561791">http://www5.hanford.gov/arpir/?content=detail&amp;AKey=DA01561791</a>	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
2005-025		100-F	100-FR-1	2005 SEPT	DC SMITH, LE GADBOIS DOE-RL, EPA	WASTE SITE RECLASSIFICATION FORM 100-FR-1 182-F	<a href="http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0009/DA01648546/DA01648546_33974_43.pdf">http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0009/DA01648546/DA01648546_33974_43.pdf</a>	Field inspection and sampling of the soil at the 182-F Reservoir indicates that the site meets the remedial action objectives specified in the Remaining Sites ROD. 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 attached Remaining Sites Verification Package for the 182-F Reservoir Waste Site.	D,H,P	Z	Y,X	A	YES	NO

Table B1. Annotated Bibliography

Document #	REV./Draft/Vol.	Area	Operable Unit	Date	Authors/ Originator	Title	Link	Summary	Background Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
2005-008		100-F	100-FR-1	2005 JUL	DC SMITH, LE GADBOIS DOE-RL, EPA	WASTE SITE RECLASSIFICATION FORM 100-F-26:1 100-FR-1	<a href="http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0011/DA694512/DA694512_40526_49.pdf">http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0011/DA694512/DA694512_40526_49.pdf</a>	The 100-F-26:1 subsite meets the remedial action objectives specified in the Remaining Sites ROD. 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 attached Remaining Sites Verification Package for the 100-F-26:1, North Process Sewer Collection Pipelines.	D,P	G,Z	Y	A	YES	NO
2005-007		100-F	100-FR-1	2005 JUL	DC SMITH, LE GADBOIS DOE-RL, EPA	WASTE SITE RECLASSIFICATION FORM 100-F-26:5 100-FR-1	<a href="http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0011/DA696139/DA696139_40540_36.pdf">http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0011/DA696139/DA696139_40540_36.pdf</a>	The 100-F-26:5 Pipeline Subsite meets the remedial action objectives specified in the Remaining Sites ROD. 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 attached Remaining Sites Verification Package for 100-F26:5 Pipeline Subsite.	D,P	G,Z	Y	A	YES	NO
PNNL-15176		HANFORD SITE	100-BC-5 100-FR-3 100-HR-3 100-KR-4 100-NR-2	2005 JUN	JT RIEGER, MJ HARTMAN PNNL	FY 2005 INTEGRATED MONITORING PLAN FOR HANFORD GROUNDWATER PERFORMANCE ASSESSMENT PROJECT	<a href="http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0012/DA273110/DA273110_39923_61.pdf">http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0012/DA273110/DA273110_39923_61.pdf</a>	The report documents the purposes and objectives of groundwater monitoring at the entire Hanford Site, 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. Many figures, maps, and charts.	D	Z	Y		NO	NO
2005-005		100-F	100-FR-1	2005 MAY	DOE-RL	WASTE SITE RECLASSIFICATION FORM 100-F-26:2 100-FR-1	<a href="http://www5.hanford.gov/arpir/?content=detail&amp;AKey=DA237024">http://www5.hanford.gov/arpir/?content=detail&amp;AKey=DA237024</a>	The 100-F-26:2 subsite meets the remedial action objectives specified in the Remaining Sites ROD. 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 attached 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

Table B1. Annotated Bibliography

Document #	REV./Draft/Vol.	Area	Operable Unit	Date	Authors/ Originator	Title	Link	Summary	Background Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
2005-003		100-F	100-FR-1	2005 MAY	DOE-RL	WASTE SITE RECLASSIFICATION FORM 100-F-26:11 100-FR-1	<a href="http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0046/DA237052/DA237052_58820957_79527_41.pdf">http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0046/DA237052/DA237052_58820957_79527_41.pdf</a>	The 100-F-26:11 subsite meets the remedial action objectives specified in the Remaining Sites ROD. 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 attached Remaining Sites Verification Package for the 100-F-26:11, 1607-F4 Sanitary Sewer Pipelines.	D,P	Z	Y	A	YES	NO
2005-010		100-F	100-FR-1	2005 MAY	DC SMITH, LE GADBOIS DOE-RL, EPA	WASTE SITE RECLASSIFICATION FORM 100-F-26:7 100-FR-1	<a href="http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0012/DA451291/DA451291_40051_24.pdf">http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0012/DA451291/DA451291_40051_24.pdf</a>	The 100-F-26:7, Sodium Ditch subsite and Sodium Silicate Pipelines, meets the remedial action objectives specified in the Remaining Sites ROD. 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 attached Remaining Sites Verification Package for 100-F-26:7, Sodium Dichromate and Sodium Silicate Pipelines.	D,P	Z	Y	A	YES	NO
DOE/RL-2004-31		100-F	100-FR-3	2005 MAR	DOE-RL	WASTE CONTROL PLAN FOR 100-FR-3 OU	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=DA273072">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=DA273072</a>	This Waste Control Plan 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, screening analysis liquids, and equipment decontamination for the 100-FR-3 OU.	D				NO	NO
2004-127		100-F	100-FR-2	2005 MAR	DC SMITH, LE GADBOIS DOE-RL, EPA	WASTE SITE RECLASSIFICATION FORM 100-FR-2 100-F-14	<a href="http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0013/D7852325/D7852325_26002_27.pdf">http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0013/D7852325/D7852325_26002_27.pdf</a>	The 100-F-14 Carpenter Shop Vent Pipe waste site meets the remedial action objectives. 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 attached 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

Table B1. Annotated Bibliography

Document #	REV./Draft/Vol.	Area	Operable Unit	Date	Authors/ Originator	Title	Link	Summary	Background Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
BHI-01767	REV 0	100-F	100-FR-1	2005 MAR	JS DECKER BHI	TEMPORARY SEWAGE HOLDING TANKS ENGINEERING REPORT FOR 100-F AREA REMEDIAL ACTION PROJECT	<a href="http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0012/DA066902/DA066902_39542_27.pdf">http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0012/DA066902/DA066902_39542_27.pdf</a>	This report is submitted for approval of two temporary sewage holding tanks, which will 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
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	<a href="http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0014/D7243822/D7243822_25039_80.pdf">http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0014/D7243822/D7243822_25039_80.pdf</a>	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-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	<a href="http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0013/D7300394/D7300394_25185_23.pdf">http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0013/D7300394/D7300394_25185_23.pdf</a>	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
2004-129		100-F	100-FR-1	2005 FEB	DC SMITH, LE GADBOIS DOE-RL, EPA	WASTE SITE RECLASSIFICATION FORM OPERABLE UNIT 100-FR-1 WASTE SITE ID 118-F-4	<a href="http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0056/0084360/118-F-4%20WSRF%20and%20RSVP.pdf">http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0056/0084360/118-F-4%20WSRF%20and%20RSVP.pdf</a>	The 118-F-4 site meets the remedial action objectives specified in the Remaining Sites ROD. 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 attached Remaining Sites Verification Package for the 118-F-4, 115-F Pit.	D,P	G,Z	Y	A	YES	NO



Table B1. Annotated Bibliography

Document #	REV./Draft/Vol.	Area	Operable Unit	Date	Authors/ Originator	Title	Link	Summary	Background Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
PNNL-14687		HANFORD SITE	HANFORD SITE	2004 SEPT	LF MORASCH, RL DIRKES, RW HANF, TM POSTON PNNL	HANFORD SITE ENVIRONMENTAL REPORT FOR CY 2003 [SECTION 1 OF 2]	<a href="http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0014/D6396066/D6396066_24368_217.pdf">http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0014/D6396066/D6396066_24368_217.pdf</a>	Each year, DOE publishes this integrated environmental report about the Hanford Site. Individual sections of the report are designed to describe the site and its mission; summarize the status of compliance with environmental regulations; discuss the status and results of Hanford Site cleanup and remediation activities; describe the environmental and groundwater surveillance and protection programs; summarize and discuss effluent monitoring, environmental monitoring and surveillance, and groundwater protection and monitoring information; discuss the estimated radiation exposure to the public from 2003 Hanford Site activities; and discuss activities conducted to assure data quality.	D,H,P	G,Z,C,E	Y,S,X,P	A,M	YES	YES
DOE/RL-96-22	REV 4	100 AREA	100 AREA	2004 SEPT	DOE-RL	100 AREA REMEDIAL ACTION SAMPLING AND ANALYSIS PLAN	<a href="http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0014/D6542136/D6542136_24426_207.pdf">http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0014/D6542136/D6542136_24426_207.pdf</a>	This sampling and analysis plan (SAP) 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-96-17	REV 5	100 AREA	100-BC-1 100-BC-2 100-DR-1 100-DR-2 100-FR-1	2004 SEPT	DOE-RL	REMEDIAL DESIGN REPORT REMEDIAL ACTION WORK PLAN FOR 100 AREA	<a href="http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0014/D6542354/D6542354_24427_292.pdf">http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0014/D6542354/D6542354_24427_292.pdf</a>	This document 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. This document streamlines the requirements. The RDR and RAWP are combined to cover both the remedial designs and remedial actions. This document pertains to all of the waste sites included in the Interim Action ROD, the ROD Amendment, the Remaining Sites ROD, and the 100 Area Burial Grounds ROD, and provides a basis that could be followed, with minimal additions, by future 100 Area source OU RODs.	D,P	Z	Y,S,X		YES	YES
2004-095		100-F	100-FR-1	2004 AUG	DC SMITH, LE GADBOIS DOE-RL, EPA	WASTE SITE RECLASSIFICATION FORM 100-FR-1 100-F-37	<a href="http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0014/D6054224/D6054224_24214_19.pdf">http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0014/D6054224/D6054224_24214_19.pdf</a>	The 100-F-37 site sample results demonstrate that the site achieves the remedial action objectives and remedial action goals. 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

Table B1. Annotated Bibliography

Document #	REV./Draft/Vol.	Area	Operable Unit	Date	Authors/ Originator	Title	Link	Summary	Background 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	<a href="http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D2229403">http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D2229403</a>	This sampling and analysis plan (SAP) 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
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]	<a href="http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0015/D5632072/D5632072_23740_304.pdf">http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0015/D5632072/D5632072_23740_304.pdf</a>	This cleanup verification package (CVP) documents completion of the removal action and verifies the protectiveness of remaining below-grade structures and soils for the 105-F Reactor Ancillary Support Areas (Waste Information Data System [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-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 4 OF 4]	<a href="http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D5633573">http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D5633573</a>	This cleanup verification package (CVP) documents completion of the removal action and verifies the protectiveness of remaining below grade structures and soils for the 105-F Reactor Ancillary Support Areas (Waste Information Data System [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		Y		YES	NO
N/A		100-B, 100-F	100-BC-5 100-FR-3	2004 MAR	JS FRUCHTER PNNL	PAGE CHANGES FOR 100-BC-5 AND 100-FR-3 GROUNDWATER SAMPLING AND ANALYSIS PLANS	<a href="http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0015/D4493327/D4493327_22975_22.pdf">http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0015/D4493327/D4493327_22975_22.pdf</a>	Added pages for 100-B and 100-F Sampling and Analysis Plans. Contains a Groundwater Well Sampling Matrix.	D				NO	NO

Table B1. Annotated Bibliography

Document #	REV./Draft/Vol.	Area	Operable Unit	Date	Authors/ Originator	Title	Link	Summary	Background Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
2003-25		100-F	100-FR-1	2003 DEC	D FAULK, HE BILSON EPA, DOE-RL	WASTE SITE RECLASSIFICATION FORM 100-FR-1 132-F-3	<a href="http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0015/D4854420/D4854420_23218_18.pdf">http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0015/D4854420/D4854420_23218_18.pdf</a>	The Waste Site Evaluation for 132-F-3, 115-F Gas Recirculation Facility (BHI 2003) demonstrates that historical data supports No Action Interim Closure for the 132-F-3 site. The site achieves the remedial action objectives and the corresponding remedial action goals. 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 Residual Radioactivity (RESRAD) modeling.	D,H,P	Z	Y	A,M	NO	NO
2003-23		100-F	100-FR-1	2003 DEC	D FAULK, HE BILSON EPA, DOE-RL	WASTE SITE RECLASSIFICATION FORM 100-FR-1 132-F-4	<a href="http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D4854367">http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D4854367</a>	The Waste Site Evaluation for 132-F-4, 116-F Reactor Exhaust Stack ( BHI 2003), demonstrates that historical data supports No Action Interim Closure for the 132-F-4 site. The site achieves the remedial action objectives and the corresponding remedial action goals. 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 a Residual Radioactivity (RESRAD) modeling.	D,H,P	Z	Y	A,M	NO	NO
2003-29		100-F	100-FR-1	2003 DEC	D FAULK, HE BILSON EPA, DOE-RL	WASTE SITE RECLASSIFICATION FORM 100-FR-1 132-F-5	<a href="http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0015/D4854840/D4854840_23222_17.pdf">http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0015/D4854840/D4854840_23222_17.pdf</a>	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 remedial action objectives and the corresponding remedial action goals. 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 a Residual Radioactivity (RESRAD) modeling.	D,H,P	Z	Y	A,M	NO	NO
2003-32		100-F	100-FR-1	2003 DEC	D FAULK, HE BILSON EPA, DOE-RL	WASTE SITE RECLASSIFICATION FORM 100-FR-1 132-F-6	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D4854858">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D4854858</a>	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 remedial action objectives and the corresponding remedial action goals. 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 a Residual Radioactivity (RESRAD) modeling.	D,H,P	Z	Y	A,M	NO	NO

Table B1. Annotated Bibliography

Document #	REV./Draft/Vol.	Area	Operable Unit	Date	Authors/ Originator	Title	Link	Summary	Background Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
2003-35		100-F	100-FR-2	2003 DEC	D FAULK, HE BILSON EPA, DOE-RL	WASTE SITE RECLASSIFICATION FORM 100-FR-2 128-F-1 BURN PIT	<a href="http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0015/D4854912/D4854912_23226_20.pdf">http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0015/D4854912/D4854912_23226_20.pdf</a>	The Waste Site Evaluation for 128-F-1 Burn Pit (BHI 2003a) demonstrates that the site meets the objectives for interim closure as established in the in the RDR/RAWP and the Remaining Sites ROD (EPA 1999). 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
04-FTD-0005		100-F	100-FR-2	2003 NOV	HE BILSON DOE-RL	AIR MONITORING PLAN FOR 100-F AREA BURIAL GROUNDS AND REMAINING SITES REMEDIAL ACTION	<a href="http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0016/D3522370/D3522370_22356_10.pdf">http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0016/D3522370/D3522370_22356_10.pdf</a>	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 best available radionuclide control technology (BARCT), and air monitoring have been identified as substantive requirements (i.e., applicable or relevant and appropriate requirements) 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
PNNL-14444		100 AREA	100-BC-5 100-FR-3 100-HR-3 100-KR-4 100-NR-2	2003 OCT	MJ HARTMAN, RE PETERSON PNNL	AQUIFER SAMPLING TUBE RESULTS FOR FY 2003	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D3253922">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D3253922</a>	This report presents and discusses results of the fiscal year 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.	D,H,P	Z	Y,X,P	A	YES	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	<a href="http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D3429575">http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D3429575</a>	This document 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 evaluation of data collected under previous monitoring plans.	D,P	Z	Y,X	M	NO	NO

Table B1. Annotated Bibliography

Document #	REV./Draft/Vol.	Area	Operable Unit	Date	Authors/ Originator	Title	Link	Summary	Background Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
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	<a href="http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0015/D5613085/D5613085_23711_295.pdf">http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0015/D5613085/D5613085_23711_295.pdf</a>	This cleanup verification package (CVP) 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 Experimental Animal Farm (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-2003-00010	REV. 0	100-F	100-FR-1	2003 JUL	BHI	CLEANUP VERIFICATION PACKAGE FOR 100-F-25 146-FR DRYWELLS AND UPR-100-F-3 MERCURY SPILL	<a href="http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0048/D5628092/D5628092_8092_58700649_78813_103.pdf">http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0048/D5628092/D5628092_8092_58700649_78813_103.pdf</a>	This cleanup verification package (CVP) documents 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 corner 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 JUL	BHI	CLEANUP VERIFICATION PACKAGE FOR 100-F-23 141-C DRYWELL	<a href="http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0048/D5628197/D5628197_8197_58700746_78814_103.pdf">http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0048/D5628197/D5628197_8197_58700746_78814_103.pdf</a>	This cleanup verification package documents completion of remedial action for the 100-F-23, 341-C Drywell. The 100-F-23 waste site is located approximately 90 m (295 ft) east of the 116-F-14, 107-F Retention Basin. The 900-F-23, 141-C French Drain received liquid waste from the 141-C Building, which housed plant and animal research on the effects of ionizing radiation. The French drain received liquid wastes from animal pens and 141-C Building research laboratories.	D,H,P	Z,T	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	<a href="http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0048/D5628309/D5628309_8309_58700845_78815_77.pdf">http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0048/D5628309/D5628309_8309_58700845_78815_77.pdf</a>	This cleanup verification package documents 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

Table B1. Annotated Bibliography

Document #	REV./Draft/Vol.	Area	Operable Unit	Date	Authors/ Originator	Title	Link	Summary	Background Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
CVP-2002-00007	REV 0	100-F	100-FR-2	2003 JUN	BHI	CLEANUP VERIFICATION PACKAGE FOR 100-F-35 SOIL CONTAMINATION SITE	<a href="http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0048/D5627628/D5627628_58700648_78810_111.pdf">http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0048/D5627628/D5627628_58700648_78810_111.pdf</a>	This cleanup verification package documents completion of remedial action for the 100-F-35 Soil Contamination Site. The 100-F-35 site is located 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 prior to being transported to the Environmental Restoration Disposal Facility. (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	<a href="http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0015/D5627740/D5627740_23730_99.pdf">http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0015/D5627740/D5627740_23730_99.pdf</a>	This cleanup verification package documents 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 Operable Unit. 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 some time 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	<a href="http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0045/D5627844/D5627844_58700844_78811_105.pdf">http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0045/D5627844/D5627844_58700844_78811_105.pdf</a>	This cleanup verification package documents 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
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]	<a href="http://www5.hanford.gov/arpir/?content=detail&amp;AKey=00099825">http://www5.hanford.gov/arpir/?content=detail&amp;AKey=00099825</a>	The Environmental Restoration Division (ERD) has 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

Table B1. Annotated Bibliography

Document #	REV./Draft/Vol.	Area	Operable Unit	Date	Authors/ Originator	Title	Link	Summary	Background 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 2 OF 5]	<a href="http://www5.hanford.gov/arpir/?content=detail&amp;AKey=00099824">http://www5.hanford.gov/arpir/?content=detail&amp;AKey=00099824</a>	This section contains several letters amongst agencies regarding the Bald Eagle Site Management Plan regarding environmental impacts. Also contains an extensively marked draft copy of DOEEA-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]	<a href="http://www5.hanford.gov/arpir/?content=detail&amp;AKey=00099821">http://www5.hanford.gov/arpir/?content=detail&amp;AKey=00099821</a>	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
CVP-2002-00005	REV 0	100-F	100-FR-1	2003 MAR	DOE-RL	CLEANUP VERIFICATION PACKAGE FOR 1607-F2 SEPTIC SYSTEM	<a href="http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D1168993">http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D1168993</a>	This cleanup verification package (CVP) documents 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
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	<a href="http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D1169096">http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D1169096</a>	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 Cleanup Verification Package for the 116-F-2, 107-F Liquid Waste Disposal Trench. The cleanup verification package 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

Table B1. Annotated Bibliography

Document #	REV./Draft/Vol.	Area	Operable Unit	Date	Authors/ Originator	Title	Link	Summary	Background Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
DOE/EA-01454	REV 0	100-F 100-H 100-N	100-F 100-H 100-N	2003 MAR	DOE-RL	ENVIRONMENTAL ASSESSMENT REACTIVATION AND USE OF THREE FORMER BORROW SITES IN 100-F 100-H AND 100-N AREAS	<a href="http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D1503046">http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D1503046</a>	The U.S. Department of Energy (DOE) needs to restore areas after remedial action. The purpose of this action is to supply raw aggregate material (approximately 1,104,000 bank cubic meters [bcm] [38,987,760 ft <sup>3</sup> ]) to be used as backfill for restoration projects in the 100-F, 100-H, 100-N, and 100-K Areas of the Hanford Site.	D,H,P	E	Y,X	A	YES	YES
PNNL-14187-SUM		HANFORD SITE	HANFORD SITE	2003 MAR	LF MORASCH, MJ HARTMAN, WD WEBBER PNNL	SUMMARY OF HANFORD SITE GROUNDWATER MONITORING FOR FY 2002	<a href="http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D2984289">http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D2984289</a>	This document 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. This document streamlines the requirements; the RDR and RAWP are combined to cover both the remedial designs and remedial actions. This document pertains to all of the waste sites included in the Interim Action ROD, the ROD Amendment, the Remaining Sites ROD, and the 100 Area Burial Grounds ROD, and provides a basis that could be followed, with minimal additions, by future 100 Area source OU RODs.	D,H,P	G,Z	Y,X,P	M	NO	NO
PNNL-14111		HANFORD SITE	HANFORD SITE	2002 NOV	MJ HARTMAN PNNL	FY 2003 INTEGRATED MONITORING PLAN FOR HANFORD GROUNDWATER MONITORING PROJECT	<a href="http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0018/D9192290/D9192290_32009_116.pdf">http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0018/D9192290/D9192290_32009_116.pdf</a>	This document is an integrated monitoring plan for the groundwater project. It documents well and constituent lists for monitoring required by the Atomic Energy Act of 1954 and its implementing orders, includes other established monitoring plans by reference, and appends a master well/constituent/frequency matrix for the entire site. The objectives of monitoring fall into three general categories: plume and trend tracking, treatment/storage/disposal unit monitoring, and remediation performance monitoring.	D,H,P	G,Z,T	Y,S,X,P	M	NO	NO
CVP-2001-00008		100-F	100-FR-1	2002 OCT	BHI	CLEANUP VERIFICATION PACKAGE FOR 116-F-9 ANIMAL WASTE LEACHING TRENCH	<a href="http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0018/D9181193/D9181193_31960_125.pdf">http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0018/D9181193/D9181193_31960_125.pdf</a>	This cleanup verification package documents completion of remedial action for the 116-F-9 Animal Waste Leaching Trench. During the operative years of the 100-F Area Experimental Animal Farm, 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 the Environmental Restoration Disposal Facility, 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

Table B1. Annotated Bibliography

Document #	REV./Draft/Vol.	Area	Operable Unit	Date	Authors/ Originator	Title	Link	Summary	Background Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
CVP-2001-00009	REV 0	100-F	100-FR-1	2002 JUL	BHI	CLEANUP VERIFICATION PACKAGE FOR 116-F-14 RETENTION BASIN	<a href="http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0018/D9121762/D9121762_31549_229.pdf">http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0018/D9121762/D9121762_31549_229.pdf</a>	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 Cleanup Verification Package for the 116-F-14 Retention Basin. The cleanup verification package 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-2001-00001	REV 0	100-F	100-FR-2	2002 JUL	BHI	CLEANUP VERIFICATION PACKAGE FOR 100-F-2 STRONTIUM GARDEN	<a href="http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0018/D9147680/D9147680_31794_96.pdf">http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0018/D9147680/D9147680_31794_96.pdf</a>	This cleanup verification package 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 100-F-4 100-F-11 100-F-15 100-F-16 FRENCH DRAINS	<a href="http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D9147683">http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D9147683</a>	This cleanup verification package (CVP) 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 Operable Unit. 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
DOE/RL-98-37		100-D 100-F	100-DR-2 100-FR-1	2002 JUN	DOE-RL	REMOVAL ACTION REPORT FOR 105-DR AND 105-F BUILDING INTERIM SAFE STORAGE PROJECTS AND ANCILLARY BUILDING	<a href="http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0018/D9090801/D9090801_31274_121.pdf">http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0018/D9090801/D9090801_31274_121.pdf</a>	This document contains the removal action work plan for the 105-DR and 105-F Reactor buildings and ancillary facilities. The DOE has determined that 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. The DOE has also determined that a non-time-critical removal action is warranted at these facilities.	D,H,P				YES	NO

Table B1. Annotated Bibliography

Document #	REV./Draft/Vol.	Area	Operable Unit	Date	Authors/ Originator	Title	Link	Summary	Background Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
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	<a href="http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0019/D9045601/D9045601_30899_14.pdf">http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0019/D9045601/D9045601_30899_14.pdf</a>	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 Comprehensive Environmental Response, Compensation, and Liability Act (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
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	<a href="http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0019/D9084971/D9084971_31198_232.pdf">http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0019/D9084971/D9084971_31198_232.pdf</a>	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
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	<a href="http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0019/D9035388/D9035388_30783_45.pdf">http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0019/D9035388/D9035388_30783_45.pdf</a>	This document is prepared as an addendum to the Sampling and Analysis Plan 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
CVP-2008-00001	REV. 0	100-F	100-FR-2	2008 OCT	H. M. Sulloway	Cleanup Verification Package for the 118-F-6 Burial Ground	<a href="http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=0&amp;osti_id=945223&amp;Row=2">http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=0&amp;osti_id=945223&amp;Row=2</a>	This cleanup verification package documents completion of remedial action for the 118-F-6 Burial Ground on the Hanford Site. The 118-F-6 site is located in the 100-FR-2 Operable Unit of the 100-F Area, approximately 460 m (1,500 ft) southwest of the 105-F Reactor Building. The burial ground was used between 1965 and 1973 and contained six unlined burial trenches. The trenches received waste from the 100-F Experimental Animal Farm, including animal manure, animal carcasses, laboratory waste, plastic, cardboard, metal, and concrete debris.	D	Z	Y	A	NO	NO

Table B1. Annotated Bibliography

Document #	REV./Draft/Vol.	Area	Operable Unit	Date	Authors/ Originator	Title	Link	Summary	Background Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
CVP-2006-00009	REV 0	100-F	100-FR-2	2007 JAN	M. J. Appel	Cleanup Verification Package for the 100-F-20, Pacific Northwest Laboratory Parallel Pits	<a href="http://www.osti.gov/bridge/purl.cover.jsp?url=/945297-2Vw2fv/">http://www.osti.gov/bridge/purl.cover.jsp?url=/945297-2Vw2fv/</a>	This cleanup verification package documents completion of remedial action for the 100-F-20, Pacific Northwest Laboratory (PNL) parallel pits waste site. The 100-F-20 site is located within the 100-FR-2 Operable Unit in the 100-F Area. Prior to remediation, the waste site consisted of two earthen trenches located about 30.5 m (100 ft) west of the 100-F Perimeter Road. The trenches were thought to have received both radioactive and nonradioactive material related to the 100-F Experimental Animal Farm. The pre-remediation waste site dimensions measured approximately 22.9 m by 6.1 m by 2.4 m (75 ft by 20 ft by 8 ft) deep. After excavation, each burial pit was approximately 70 m (230 ft) in length and 4 m (13 ft) in depth.	D	Z	Y	A	NO	NO
cvP-2007-00003	REV 0	100-F	100-FR-2	2008 MAY	L. D. Habel	Cleanup Verification Package for the 118-F-5 PNL Sawdust Pit	<a href="http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=0&amp;osti_id=945226&amp;Row=4">http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=0&amp;osti_id=945226&amp;Row=4</a>	This cleanup verification package documents completion of remedial action, sampling activities, as well as assessment of compliance with cleanup criteria for the 118-F-5 Burial Ground (PNL [Pacific Northwest Laboratory] Sawdust Pit). The 118-F-5 Burial Ground, part of the 100-FR-2 Operable Unit, is located in the 100-F Area of the Hanford Site in southeastern Washington State. The 118-F-5 Burial Ground was an unlined trench that received radioactive sawdust from the floors of animal pens in the 100-F Experimental Animal Farm. The 118-F-5 burial ground was in operation between 1954 and 1975.	D	Z	Y	A	NO	NO
RSVP-2006-039	REV 0	100-F	100-FR-2	2006 DEC	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	<a href="http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=0&amp;osti_id=944440&amp;Row=6">http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=0&amp;osti_id=944440&amp;Row=6</a>	The 116-F-16 waste site has been remediated to meet the cleanup standards. 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 attached Remaining Sites Verification Package for the 116-F-16, PNL Outfall and the 100-F-43, PNL Outfall Spillway.	D	Z,T	Y	A,M	YES	NO
RSVP-2006-042		100-F	100-FR-1	2006 OCT	L. M. Dittmer	Remaining Sites Verification Package for the 128-F-3 PNL Burn Pit, Waste Site Reclassification Form 2006-042	<a href="http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=0&amp;osti_id=944155&amp;Row=9">http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=0&amp;osti_id=944155&amp;Row=9</a>	The 128-F-3 waste site is a former burn pit associated with the 100-F Area experimental animal farm. 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	Z,T	Y	A,M	YES	NO

Table B1. Annotated Bibliography

Document #	REV./Draft/Vol.	Area	Operable Unit	Date	Authors/ Originator	Title	Link	Summary	Background Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
RSVP-2006-027		100-F	100-FR-1	2006 MAY	RA CARLSON	Remaining Sites Verification Package for the 141-C Large Animal Barn and Biology Laboratory (Hog Barn), Waste Site Reclassification Form 2006-027	<a href="http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=0&amp;osti_id=944148&amp;Row=10">http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=0&amp;osti_id=944148&amp;Row=10</a>	The 141-C waste site is a former large animal barn and biology laboratory within the 100-F Area experimental animal farm. Strontium-90, arsenic, and multiple polycyclic aromatic hydrocarbons were detected within residual demolition debris at concentrations exceeding cleanup criteria. The site has been remediated by removing approximately 900 bank cubic meters (bcm [31,784 ft <sup>3</sup> ]) of soil and debris within the former building footprint to the Environmental Restoration Disposal Facility. 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	Z,T	Y	A,M	YES	NO
WHC-SA-3090-FP		100 AREA	100 AREA	1996 APR	MS GERBER	The Wahluke (North) Slope of the Hanford Site: History and present challenges	<a href="http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=0&amp;osti_id=362573&amp;Row=21">http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=0&amp;osti_id=362573&amp;Row=21</a>	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 the Department of Energy 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
WASH-1538	VOL 1	HANFORD SITE	HANFORD SITE	1974 SEPT	ATOMIC ENERGY COMMISSION	Waste Management Operations, Hanford Reservation, Richland, Washington: environmental statement. Volume 1	<a href="http://www.osti.gov/bridge/purl.cover.jsp?purl=/4276131-VTW49/">http://www.osti.gov/bridge/purl.cover.jsp?purl=/4276131-VTW49/</a>	The purpose of this statement is 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
PNNL-14295		HANFORD SITE	HANFORD SITE	2003 SEPT	TM POSTON, PNNL	Hanford Site Environmental Report for Calendar Year 2002	<a href="http://www.osti.gov/bridge/purl.cover.jsp?purl=/15010295-CqTgan/native/">http://www.osti.gov/bridge/purl.cover.jsp?purl=/15010295-CqTgan/native/</a>	This report, published annually since 1958, includes information and summary data that (1) provide an overview of activities at the Hanford Site during 2002; (2) demonstrate the status of the site's compliance with applicable federal, state, and local environmental laws and regulations, executive orders, and U.S. Department of Energy (DOE) policies; (3) summarize environmental data that characterize Hanford Site environmental management performance; and (4) highlight significant environmental programs. There is a small section focused on a portion of the 100-F Area.	D,H,P	G,Z,C,E,T	Y,S,X,P	A,M	YES	YES

Table B1. Annotated Bibliography

Document #	REV./Draft/Vol.	Area	Operable Unit	Date	Authors/ Originator	Title	Link	Summary	Background Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
PNNL-18427		HANFORD SITE	HANFORD SITE	2009 SEPT	TM POSTON, PNNL	Hanford Site Environmental Report for Calendar Year 2008	<a href="http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=3&amp;osti_id=968481&amp;Row=9">http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=3&amp;osti_id=968481&amp;Row=9</a>	The report 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
WHC-MR-0293	REV 2	HANFORD SITE	HANFORD SITE	1992 SEPT	MS GERBER	Legend and legacy: Fifty years of defense production at the Hanford Site	<a href="http://www.osti.gov/bridge/purl.cover.jsp?purl=/10144167-kRWeQd/webviewable/">http://www.osti.gov/bridge/purl.cover.jsp?purl=/10144167-kRWeQd/webviewable/</a>	This document compiles eleven 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
PNNL-13788		HANFORD SITE	HANFORD SITE	2002 FEB	MJ HARTMAN PNNL	Hanford Site Groundwater Monitoring for Fiscal Year 2001	<a href="http://www.osti.gov/bridge/purl.cover.jsp?purl=/15001407-4xrTki/native/">http://www.osti.gov/bridge/purl.cover.jsp?purl=/15001407-4xrTki/native/</a>	Hanford Site Groundwater Monitoring for Fiscal Year 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 fiscal year. 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-17603		HANFORD SITE	HANFORD SITE	2008 JUN	TM POSTON, PNNL	Hanford Site Environmental Report for Calendar Year 2007	<a href="http://www.osti.gov/bridge/purl.cover.jsp?purl=/939874-EB21X9/">http://www.osti.gov/bridge/purl.cover.jsp?purl=/939874-EB21X9/</a>	This report is designed to inform the public, regulators, stakeholders, and other interested parties of Hanford Site environmental performance during the 2007 calendar year. Individual sections are designed to provide detail on the following: (1) describe the Hanford Site and its mission, (2) summarize the Hanford Site's compliance with all applicable DOE, federal, state, and local regulations, (3) discuss the status and results of Hanford Site cleanup and remediation activities, (4) summarize environmental management performance, (5) describe the Hanford Site environmental and groundwater monitoring programs and summarize and describe monitoring data, (6) discuss potential radiation doses to onsite staff and the public residing in the Hanford Site vicinity, and (7) describe data quality assurance methods.	D,H,P	G,Z,C,E,T	Y,S,X,P	A,M	YES	YES

Table B1. Annotated Bibliography

Document #	REV./Draft/Vol.	Area	Operable Unit	Date	Authors/ Originator	Title	Link	Summary	Background Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
BNWL-1649		100 AREA	100 AREA	1972 JAN	KL KIPP, PNNL	RADIOLOGICAL STATUS OF THE GROUNDWATER BENEATH THE HANFORD PROJECT, JANUARY-- JUNE 1971	<a href="http://www.osti.gov/bridge/product.biblio.jsp?query_id=4&amp;page=0&amp;osti_id=4637548&amp;Row=5">http://www.osti.gov/bridge/product.biblio.jsp?query_id=4&amp;page=0&amp;osti_id=4637548&amp;Row=5</a>	This report is 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 six months of 1971.	D,P		Y	A	NO	NO
BNWL-1790		100 AREA	100 AREA	1973 OCT	RR OLENDORFF	Raptorial birds of the U.S.A.E.C. Hanford Reservation, south-central Washington	<a href="http://www.osti.gov/bridge/product.biblio.jsp?query_id=4&amp;page=0&amp;osti_id=4412069&amp;Row=12">http://www.osti.gov/bridge/product.biblio.jsp?query_id=4&amp;page=0&amp;osti_id=4412069&amp;Row=12</a>	This documents is 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	KL KIPP, PNNL	Radiological status of the groundwater beneath the Hanford reservation, January-December 1973	<a href="http://www.osti.gov/bridge/product.biblio.jsp?query_id=4&amp;page=0&amp;osti_id=4244313&amp;Row=22">http://www.osti.gov/bridge/product.biblio.jsp?query_id=4&amp;page=0&amp;osti_id=4244313&amp;Row=22</a>	This series of reports has been prepared semiannually to provide an evaluation of the status of groundwater contamination resulting from disposal of Hanford plant effluents. The present issue covers both the January-June and July-December 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
WASH-1538	DRAFT OF VOL. 1	HANFORD SITE	HANFORD SITE	1974 SEPT	USAEC, Washington, D.C.	Waste Management Operations, Hanford Reservation, Richland, Washington: environmental statement. Volume 1	<a href="http://www.osti.gov/bridge/product.biblio.jsp?query_id=4&amp;page=0&amp;osti_id=4276131&amp;Row=23">http://www.osti.gov/bridge/product.biblio.jsp?query_id=4&amp;page=0&amp;osti_id=4276131&amp;Row=23</a>	The purpose of this statement is 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 the Hanford Site.	D,H,P	G,Z,C,E,T	Y,S,X,P	A,M	YES	YES

Table B1. Annotated Bibliography

Document #	REV./Draft/Vol.	Area	Operable Unit	Date	Authors/ Originator	Title	Link	Summary	Background Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
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	<a href="http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0048/0812030146/0079369%20-%2008120301461.PDF">http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0048/0812030146/0079369%20-%2008120301461.PDF</a>	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 (1) 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
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	<a href="http://www.osti.gov/bridge/product.biblio.jsp?query_id=0&amp;page=0&amp;osti_id=944199&amp;Row=1">http://www.osti.gov/bridge/product.biblio.jsp?query_id=0&amp;page=0&amp;osti_id=944199&amp;Row=1</a>	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-2008-015		100-F	100-FR-2	2008 APR	J. M. Capron	Remaining Sites Verification Package for the 100-F-54 Animal Farm Pastures, Waste Site Reclassification Form 2008-015	<a href="http://www.osti.gov/bridge/product.biblio.jsp?query_id=0&amp;page=0&amp;osti_id=944166&amp;Row=9">http://www.osti.gov/bridge/product.biblio.jsp?query_id=0&amp;page=0&amp;osti_id=944166&amp;Row=9</a>	The 100-F-54 waste site, part of the 100-FR-2 Operable Unit, is the soil associated with the former pastures for holding domestic farm animals used in experimental toxicology studies. Evaluation of historical information resulted in identification of the experimental animal farm pastures as having potential residual soil contamination due to excrement from experimental animals. The 100-F-54 animal farm pastures confirmatory sampling results support a reclassification of this site to No Action. The current site conditions achieve the remedial action objectives and the corresponding remedial action goals established in the Remaining Sites ROD. 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, P		Y, S		YES	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	<a href="http://www.osti.gov/bridge/product.biblio.jsp?query_id=0&amp;page=0&amp;osti_id=944168&amp;Row=10">http://www.osti.gov/bridge/product.biblio.jsp?query_id=0&amp;page=0&amp;osti_id=944168&amp;Row=10</a>	In accordance with this evaluation, the confirmatory sampling results support a reclassification of this site to No Action. The current site conditions achieve the remedial action objectives and the corresponding remedial action goals established in the Remaining Sites ROD. 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 #	REV./Draft/Vol.	Area	Operable Unit	Date	Authors/ Originator	Title	Link	Summary	Background Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
RSVP-2004-093		100-F	100-F	2006 FEB	R.A. Carlson	Remaining Sites Verification Package for 100-F-38 Stained Soil Site, Waste Site Reclassification Form 2004-093	<a href="http://www.osti.gov/bridge/product.biblio.jsp?query_id=0&amp;page=0&amp;osti_id=945037&amp;Row=11">http://www.osti.gov/bridge/product.biblio.jsp?query_id=0&amp;page=0&amp;osti_id=945037&amp;Row=11</a>	The 100-F-38 Stained Soil site was an area of yellow stained soil that was discovered while excavating a trench for the placement of electrical conduit. The 100-F-38 Stained Soil site meets the remedial action objectives specified in the Remaining Sites ROD. The results of verification sampling demonstrate that residual contaminant concentrations support future unrestricted land uses that can be represented by a rural-residential scenario. The results also show that residual contaminant concentrations do not preclude any future uses and allow for unrestricted use of shallow-zone soils and the contaminant concentrations remaining in the soil are protective of groundwater and the Columbia River.	D		S		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	<a href="http://www.osti.gov/bridge/product.biblio.jsp?query_id=0&amp;page=0&amp;osti_id=944171&amp;Row=12">http://www.osti.gov/bridge/product.biblio.jsp?query_id=0&amp;page=0&amp;osti_id=944171&amp;Row=12</a>	The 100-F-44:4, Discovery Pipeline in Silica Gel Pit subsite is located in the 100-FR-1 Operable Unit 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-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	<a href="http://www.osti.gov/bridge/product.biblio.jsp?query_id=0&amp;page=0&amp;osti_id=944188&amp;Row=13">http://www.osti.gov/bridge/product.biblio.jsp?query_id=0&amp;page=0&amp;osti_id=944188&amp;Row=13</a>	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-2007-006		100-F	100-FR-1	2008 APR	J.M. Capron	Remaining Sites Verification Package for the 100-F-44:2, Discovery Pipeline Near 108-F Building, Waste Site Reclassification Form 2007-006	<a href="http://www.osti.gov/bridge/product.biblio.jsp?query_id=0&amp;page=0&amp;osti_id=944162&amp;Row=15">http://www.osti.gov/bridge/product.biblio.jsp?query_id=0&amp;page=0&amp;osti_id=944162&amp;Row=15</a>	The 100-F-44:2 waste site is a steel pipeline that was discovered in a junction box during confirmatory sampling of the 100-F-26:4 pipeline from December 2004 through January 2005. The 100-F-44:2 pipeline feeds into the 100-F-26:4 subsite vitrified clay pipe (VCP) process sewer pipeline from the 108-F Biology Laboratory at the junction box. In accordance with this evaluation, the confirmatory sampling results support a reclassification of this site to No Action. The current site conditions achieve the remedial action objectives and the corresponding remedial action goals established in the Remaining Sites ROD. 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		Y, S		YES	NO

Table B1. Annotated Bibliography

Document #	REV./Draft/Vol.	Area	Operable Unit	Date	Authors/ Originator	Title	Link	Summary	Background Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
RSVP-2007-034		100-F	100-FR-2	2008 FEB	J.M. Capron	Remaining Sites Verification Package for the 100-F-26:12, 1.8-m (72-in.) Main Process Sewer Pipeline, Waste Site Reclassification Form 2007-034	<a href="http://www.osti.gov/bridge/product.biblio.jsp?query_id=0&amp;page=0&amp;osti_id=944195&amp;Row=16">http://www.osti.gov/bridge/product.biblio.jsp?query_id=0&amp;page=0&amp;osti_id=944195&amp;Row=16</a>	The 100-F-26:12 waste site was an approximately 308-m (1011-ft)-long, 1.8-m (72-in.)-diameter east-west-trending reinforced concrete pipe that joined the North Process Sewer Pipelines (100-F-26:1) and the South Process Pipelines (100-F-26:4) with the 1.8-m (72-in.) reactor cooling water effluent pipeline (100-F-19). 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-2007-001		100-F	100-FR-3	2008 APR	J.M. Capron	Remaining Sites Verification Package for the 100-F-50 Stormwater Runoff Culvert, Waste Site Reclassification Form 2007-001	<a href="http://www.osti.gov/bridge/product.biblio.jsp?query_id=0&amp;page=0&amp;osti_id=944161&amp;Row=19">http://www.osti.gov/bridge/product.biblio.jsp?query_id=0&amp;page=0&amp;osti_id=944161&amp;Row=19</a>	The 100-F-50 waste site, part of the 100-FR-2 Operable Unit, is a steel stormwater runoff culvert that runs between two railroad grades in the south-central portion of the 100-F Area. The 100-F-50 stormwater diversion culvert confirmatory sampling results support a reclassification of this site to No Action. The current site conditions achieve the remedial action objectives and corresponding remedial action goals established in the Remaining Sites ROD. 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		Y, S		YES	NO
RSVP-2007-002		100-F	100-FR-1	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 2007-002	<a href="#">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 2007-002</a>	The 100-F-36 waste site is the location of the former 108-F Biological Laboratory. The building was closed in 1973, decontaminated, decommissioned, and eventually demolished in 1999. In accordance with this evaluation, the confirmatory sampling results support a reclassification of this site to No Action. The current site conditions achieve the remedial action objectives and the corresponding remedial action goals established in the Remaining Sites ROD. 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

Table B1. Annotated Bibliography

Document #	REV./Draft/Vol.	Area	Operable Unit	Date	Authors/ Originator	Title	Link	Summary	Background Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
RSVP-2007-003		100-F	100-FR-2	2001 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	<a href="http://www.osti.gov/bridge/product.biblio.jsp?query_id=0&amp;page=0&amp;osti_id=944225&amp;Row=24">http://www.osti.gov/bridge/product.biblio.jsp?query_id=0&amp;page=0&amp;osti_id=944225&amp;Row=24</a>	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 remedial action objectives and the corresponding remedial action goals established in the Remaining Sites ROD. 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-2006-039		100-F	100-FR-1	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	<a href="http://www.osti.gov/bridge/product.biblio.jsp?query_id=0&amp;page=1&amp;osti_id=944440&amp;Row=1">http://www.osti.gov/bridge/product.biblio.jsp?query_id=0&amp;page=1&amp;osti_id=944440&amp;Row=1</a>	The 116-F-16 waste site is the former Pacific National Laboratory (PNL) Outfall, used to discharge waste effluents from the 100-F Experimental Animal Farm. 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-2006-046		100-F	100-FR-1	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	<a href="http://www.osti.gov/bridge/product.biblio.jsp?query_id=0&amp;page=1&amp;osti_id=944441&amp;Row=2">http://www.osti.gov/bridge/product.biblio.jsp?query_id=0&amp;page=1&amp;osti_id=944441&amp;Row=2</a>	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 Experimental Animal Farm. 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-2006-017		100-F	100-FR-1	2005 AUG	R.A. Carlson	Remaining Sites Verification Package for the 182-F Reservoir Waste Site, Waste Site Reclassification Form 2005-025	<a href="http://www.osti.gov/bridge/product.biblio.jsp?query_id=0&amp;page=1&amp;osti_id=944139&amp;Row=5">http://www.osti.gov/bridge/product.biblio.jsp?query_id=0&amp;page=1&amp;osti_id=944139&amp;Row=5</a>	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 liters (25 million gallons). 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		C, S		YES	NO

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Document #	REV./Draft/Vol.	Area	Operable Unit	Date	Authors/ Originator	Title	Link	Summary	Background Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
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	<a href="http://www.osti.gov/bridge/product.biblio.jsp?query_id=0&amp;page=1&amp;osti_id=944146&amp;Row=6">http://www.osti.gov/bridge/product.biblio.jsp?query_id=0&amp;page=1&amp;osti_id=944146&amp;Row=6</a>	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 the Environmental Restoration Disposal Facility. 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, H		C, S		YES	NO
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	<a href="http://www.osti.gov/bridge/product.biblio.jsp?query_id=0&amp;page=1&amp;osti_id=944169&amp;Row=8">http://www.osti.gov/bridge/product.biblio.jsp?query_id=0&amp;page=1&amp;osti_id=944169&amp;Row=8</a>	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 remedial action objectives and the corresponding remedial action goals established in the Remaining Sites ROD. 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-2006-029		100-F	100-FR-1	2006 AUG	L.M. Dittmer	Remaining Sites Verification Package for the 132-F-1, 141-F Chronic Feeding Sheep Barn, Waste Site Reclassification Form 2006-029	<a href="http://www.osti.gov/bridge/product.biblio.jsp?query_id=0&amp;page=1&amp;osti_id=944149&amp;Row=11">http://www.osti.gov/bridge/product.biblio.jsp?query_id=0&amp;page=1&amp;osti_id=944149&amp;Row=11</a>	The 132-F-1 site is the former location of the 141-F Chronic Feeding Sheep Barn that was part of the experimental animal farm at the 100-F Area. It was an L-shaped concrete block building with a concrete floor and concrete animal pens located both inside and outside the building. The 141-F Building was demolished in 1977 following relocation of animal research to the 300 Area. 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		C, S		YES	NO
2008-016		100-F	100-FR-1	2009 APR	MS FRENCH DOE/RL	WASTE SITE RECLASSIFICATION FORM OPERABLE UNIT 100-FR-1 WASTE SITE CODE 100-F-44:5	<a href="http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0051/0906020140/09060201401.PDF">http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0051/0906020140/09060201401.PDF</a>	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

Table B1. Annotated Bibliography

Document #	REV./Draft/Vol.	Area	Operable Unit	Date	Authors/ Originator	Title	Link	Summary	Background Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
2007-034		100-F	100-FR-1	2008 APR	SL CHARBONEAU, RA LOBOS DOE-RL, EPA	WASTE SITE RECLASSIFICATION FORM 100-FR-1 100-F-26:12	<a href="http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0043/0805290317/0077589%20-%20108052903171.PDF">http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0043/0805290317/0077589%20-%20108052903171.PDF</a>	The 100-F-26: 12, 1.8-m (72-in.) Main Process Sewer Pipeline subsite sample results demonstrate that the site achieves the remedial action objectives and remedial action goals. 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
2007-001		100-F	100-FR-2	2008 APR	SL CHARBONEAU, RA LOBOS DOE-RL, EPA	WASTE SITE RECLASSIFICATION FORM 100-FR-2 100-F-50	<a href="http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0043/0805050105/0077013%20-%20108050501051.PDF">http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0043/0805050105/0077013%20-%20108050501051.PDF</a>	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
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	<a href="http://www5.hanford.gov/pdw/fsd/ar/f/d0001/fsd0004/da03893998/DA04027533_37728_76.pdf">http://www5.hanford.gov/pdw/fsd/ar/f/d0001/fsd0004/da03893998/DA04027533_37728_76.pdf</a>	This report demonstrates that the 1607-1 77, 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
2006-021		100-F	100-FR-1	2006 AUG	DC SMITH, RA LOBOS DOE-RL, EPA	WASTE SITE RECLASSIFICATION FORM 100-FR-1 100-F-33	<a href="http://www5.hanford.gov/pdw/fsd/ar/f/d0001/fsd0007/da03633571/da03633571_36688_75.pdf">http://www5.hanford.gov/pdw/fsd/ar/f/d0001/fsd0007/da03633571/da03633571_36688_75.pdf</a>	The 100-F-33, 146-F Aquatic Biology Fish Ponds site meets the remedial action objectives specified in the Remaining Sites ROD. 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 attached Remaining Sites Verification Package for the 100-17-33, 146-F Aquatic Biology Fish Ponds.	D,P	G,Z	Y	A	YES	NO

Table B1. Annotated Bibliography

Document #	REV./Draft/Vol.	Area	Operable Unit	Date	Authors/ Originator	Title	Link	Summary	Background Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
2004-093		100-F	100-FR-1	2006 MAR	DC SMITH, DOE-RL	WASTE SITE RECLASSIFICATION FORM 100-FR-1 100-F-38	<a href="http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0008/DA02171852/DA02171852_35056_28.pdf">http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0008/DA02171852/DA02171852_35056_28.pdf</a>	The 100-F-38 Stained Soil site meets the remedial action objectives specified in the Remaining Sites ROD. 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 attached Remaining Sites Verification Package for 100-F-38 Stained Soil Site.	D,H,P	Z	Y,X	A	YES	NO
2005-025		100-F	100-FR-1	2005 SEPT	DC SMITH, LE GADBOIS DOE-RL, EPA	WASTE SITE RECLASSIFICATION FORM 100-FR-1 182-F	<a href="http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0009/DA01648546/DA01648546_33974_43.pdf">http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0009/DA01648546/DA01648546_33974_43.pdf</a>	Field inspection and sampling of the soil at the 182-F Reservoir indicates that the site meets the remedial action objectives specified in the Remaining Sites ROD. 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 attached Remaining Sites Verification Package for the 182-F Reservoir Waste Site.	D,H,P	Z	Y,X	A	YES	NO
2005-008		100-F	100-FR-1	2005 JUL	DC SMITH, LE GADBOIS DOE-RL, EPA	WASTE SITE RECLASSIFICATION FORM 100-F-26:1 100-FR-1	<a href="http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0011/DA694512/DA694512_40526_49.pdf">http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0011/DA694512/DA694512_40526_49.pdf</a>	The 100-F-26:1 subsite meets the remedial action objectives specified in the Remaining Sites ROD. 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 attached Remaining Sites Verification Package for the 100-F-26:1, North Process Sewer Collection Pipelines.	D,P	G,Z	Y	A	YES	NO
2005-007		100-F	100-FR-1	2005 JUL	DC SMITH, LE GADBOIS DOE-RL, EPA	WASTE SITE RECLASSIFICATION FORM 100-F-26:5 100-FR-1	<a href="http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0011/DA696139/DA696139_40540_36.pdf">http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0011/DA696139/DA696139_40540_36.pdf</a>	The 100-F-26:5 Pipeline Subside meets the remedial action objectives specified in the Remaining Sites ROD. 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 attached Remaining Sites Verification Package for 100-F26:5 Pipeline Subsite.	D,P	G,Z	Y	A	YES	NO

Table B1. Annotated Bibliography

Document #	REV./Draft/Vol.	Area	Operable Unit	Date	Authors/ Originator	Title	Link	Summary	Background Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
2005-005		100-F	100-FR-1	2005 MAY	DOE-RL	WASTE SITE RECLASSIFICATION FORM 100-F-26:2 100-FR-1	<a href="http://www5.hanford.gov/arpir/?content=detail&amp;AKey=DA237024">http://www5.hanford.gov/arpir/?content=detail&amp;AKey=DA237024</a>	The 100-F-26:2 subsite meets the remedial action objectives specified in the Remaining Sites ROD. 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 attached 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
2005-003		100-F	100-FR-1	2005 MAY	DOE-RL	WASTE SITE RECLASSIFICATION FORM 100-F-26:11 100-FR-1	<a href="http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0046/DA237052/DA237052_58820957_79527_41.pdf">http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0046/DA237052/DA237052_58820957_79527_41.pdf</a>	The 100-F-26:11 subsite meets the remedial action objectives specified in the Remaining Sites ROD. 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 attached Remaining Sites Verification Package for the 100-F-26:11, 1607-F4 Sanitary Sewer Pipelines.	D,P	Z	Y	A	YES	NO
2004-129		100-F	100-FR-1	2005 FEB	DC SMITH, LE GADBOIS DOE-RL, EPA	WASTE SITE RECLASSIFICATION FORM OPERABLE UNIT 100-FR-1 WASTE SITE ID 118-F-4	<a href="http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0056/0084360/118-F-4%20WSRF%20and%20RSVP.pdf">http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0056/0084360/118-F-4%20WSRF%20and%20RSVP.pdf</a>	The 118-F-4 site meets the remedial action objectives specified in the Remaining Sites ROD. 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 attached Remaining Sites Verification Package for the 118-F-4, 115-F Pit.	D,P	G,Z	Y	A	YES	NO
2003-25		100-F	100-FR-1	2003 DEC	D FAULK, HE BILSON EPA, DOE-RL	WASTE SITE RECLASSIFICATION FORM 100-FR-1 132-F-3	<a href="http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0015/D4854420/D4854420_23218_18.pdf">http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0015/D4854420/D4854420_23218_18.pdf</a>	The Waste Site Evaluation for 132-F-3, 115-F Gas Recirculation Facility (BHI 2003) demonstrates that historical data support No Action interim closure for the 132-F-3 site. The site achieves the remedial action objectives and the corresponding remedial action goals. 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 RESidual RADioactivity (RESRAD) modeling.	D,H,P	Z	Y	A,M	NO	NO

Table B1. Annotated Bibliography

Document #	REV./Draft/Vol.	Area	Operable Unit	Date	Authors/ Originator	Title	Link	Summary	Background Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
2003-23		100-F	100-FR-1	2003 DEC	D FAULK, HE BILSON EPA, DOE-RL	WASTE SITE RECLASSIFICATION FORM 100-FR-1 132-F-4	<a href="http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D4854367">http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D4854367</a>	The Waste Site Evaluation for 132-F-4, 116-F Reactor Exhaust Stack ( BHI 2003), demonstrates that historical data support No Action interim closure for the 132-F-4 site. The site achieves the remedial action objectives and the corresponding remedial action goals. 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 a RESidual RADioactivity (RESRAD) modeling.	D,H,P	Z	Y	A,M	NO	NO
WASH-1538	DRAFT OF VOL. 1	HANFORD SITE	HANFORD SITE	1974 SEPT	USAEC, Washington, D.C.	Waste Management Operations, Hanford Reservation, Richland, Washington: environmental statement. Volume 1	<a href="http://www.osti.gov/bridge/product.biblio.jsp?query_id=4&amp;page=0&amp;osti_id=4276131&amp;Row=23">http://www.osti.gov/bridge/product.biblio.jsp?query_id=4&amp;page=0&amp;osti_id=4276131&amp;Row=23</a>	The purpose of this statement is 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
PNNL-11989	REV. 2	HANFORD SITE	HANFORD SITE	2000 OCT	MJ HARTMAN PNNL	Integrated Monitoring Plan for the Hanford Groundwater Monitoring Project	<a href="http://www.osti.gov/bridge/purl.cover.jsp?purl=/965200-nECKqj/">http://www.osti.gov/bridge/purl.cover.jsp?purl=/965200-nECKqj/</a>	This document is an integrated monitoring plan for the groundwater project and contains well and constituent lists for monitoring required by the Atomic Energy Act of 1954 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
WHC-SP-0665-0		100, 200, 300, AND 600 AREAS	100, 200, 300, AND 600 AREAS	1991 MAY	CR HUCKFELDT	Quarterly environmental radiological survey summary, first quarter 1991: 100, 200, 300, and 600 areas	<a href="http://www.osti.gov/bridge/product.biblio.jsp?query_id=0&amp;page=0&amp;osti_id=6835133&amp;Row=12">http://www.osti.gov/bridge/product.biblio.jsp?query_id=0&amp;page=0&amp;osti_id=6835133&amp;Row=12</a>	This report provides a summary of the radiological surveys performed on environmentalwaste sites near facilities located in the 100, 200, 300, and 600 areas.	D			A	NO	NO

Table B1. Annotated Bibliography

Document #	REV./Draft/Vol.	Area	Operable Unit	Date	Authors/ Originator	Title	Link	Summary	Background Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
PNNL-14187		HANFORD SITE	HANFORD SITE	2003 FEB	MJ HARTMAN PNNL	Hanford Site Groundwater Monitoring for Fiscal Year 2002	<a href="http://www.osti.gov/bridge/product.biblio.jsp?query_id=0&amp;page=0&amp;osti_id=15010110&amp;Row=11">http://www.osti.gov/bridge/product.biblio.jsp?query_id=0&amp;page=0&amp;osti_id=15010110&amp;Row=11</a>	Hanford Site Groundwater Monitoring for Fiscal Year 2002 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 fiscal year. Monitoring results primarily rely on data from samples collected between October 1, 2001, and September 30, 2002. Data received after November 14, 2002, 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-13080		HANFORD SITE	HANFORD SITE	2000 APR	MJ HARTMAN PNNL	Hanford Site groundwater monitoring: Setting, sources and methods	<a href="http://www.osti.gov/bridge/product.biblio.jsp?query_id=0&amp;page=0&amp;osti_id=753533&amp;Row=19">http://www.osti.gov/bridge/product.biblio.jsp?query_id=0&amp;page=0&amp;osti_id=753533&amp;Row=19</a>	This report includes a description of groundwater monitoring requirements, site hydrogeology, and waste sites that have affected groundwater quality or that require groundwater monitoring. Monitoring networks and methods for sampling, analysis, and interpretation are summarized. Vadose zone monitoring methods and statistical methods also are described. Whenever necessary, updates to information contained in this document will be published in future groundwater annual reports.	D,H,P	G,Z,C,E,T	Y,S,X,P	A,M	YES	YES
PNL-6456	VOL 1	HANFORD SITE	HANFORD SITE	1988 OCT	RD STENNER PNNL	Hazard Ranking System evaluation of CERCLA (Comprehensive Environmental Response, Compensation, and Liability Act) inactive waste sites at Hanford: Volume 1, Evaluation methods and results	<a href="http://www.osti.gov/bridge/product.biblio.jsp?query_id=0&amp;page=1&amp;osti_id=6849042&amp;Row=5">http://www.osti.gov/bridge/product.biblio.jsp?query_id=0&amp;page=1&amp;osti_id=6849042&amp;Row=5</a>	This report contains the results of the individual site Hazard Ranking System (HRS) evaluations conducted as part of the preliminary assessment/site inspection (PA/SI) activities. A total of 335 engineered-facility sites designed specifically for the disposal of were scored using the HRS (40 CFR 300). The results of these sites are included in this report. Also included are trenches and waste evaluations of the results from the investigation, and evaluation of 20 newly designated engineered-facility sites; and the results from the investigation and evaluation of the 291 pre-1980, unplanned-release sites.	D,H,P	G,Z,C	Y,S,X	A	NO	NO
PNNL-16346		HANFORD SITE	HANFORD SITE	2007 MAR	MJ HARTMAN PNNL	Hanford Site Groundwater Monitoring for Fiscal Year 2006	<a href="http://www.osti.gov/bridge/product.biblio.jsp?query_id=0&amp;page=0&amp;osti_id=902684&amp;Row=24">http://www.osti.gov/bridge/product.biblio.jsp?query_id=0&amp;page=0&amp;osti_id=902684&amp;Row=24</a>	This document presents results of groundwater monitoring to meet the requirements of the AEA, RCRA, and those CERCLA groundwater operable units 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 operable unit 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

Table B1. Annotated Bibliography

Document #	REV./Draft/Vol.	Area	Operable Unit	Date	Authors/ Originator	Title	Link	Summary	Background Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
PNNL-15670		HANFORD SITE	HANFORD SITE	2006 FEB	MJ HARTMAN PNNL	Hanford Site Groundwater Monitoring for Fiscal Year 2005	<a href="http://www.osti.gov/bridge/product.biblio.jsp?query_id=0&amp;page=1&amp;osti_id=889070&amp;Row=0">http://www.osti.gov/bridge/product.biblio.jsp?query_id=0&amp;page=1&amp;osti_id=889070&amp;Row=0</a>	This document presents results of groundwater monitoring to meet the requirements of the AEA, RCRA, and those CERCLA groundwater operable units 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 fiscal year (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-14548		HANFORD SITE	HANFORD SITE	2004 APR	MJ HARTMAN PNNL	Hanford Site Groundwater Monitoring for Fiscal Year 2003	<a href="http://www.osti.gov/bridge/product.biblio.jsp?query_id=0&amp;page=1&amp;osti_id=15007188&amp;Row=10">http://www.osti.gov/bridge/product.biblio.jsp?query_id=0&amp;page=1&amp;osti_id=15007188&amp;Row=10</a>	Hanford Site Groundwater Monitoring for Fiscal Year 2003 presents results of groundwater monitoring, vadose zone monitoring and characterization, and groundwater modeling. This report also summarizes groundwater remediation and well installation activities. Monitoring results primarily rely on data from samples collected between October 1, 2002, and September 30, 2003. Data received after November 14, 2003, 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-15070	SUM	HANFORD SITE	HANFORD SITE	2005 APR	MJ HARTMAN PNNL	Summary of Hanford Site Groundwater Monitoring for Fiscal Year 2004	<a href="http://www.osti.gov/bridge/product.biblio.jsp?query_id=0&amp;page=1&amp;osti_id=15020691&amp;Row=19">http://www.osti.gov/bridge/product.biblio.jsp?query_id=0&amp;page=1&amp;osti_id=15020691&amp;Row=19</a>	In fiscal year (FY) 2004, workers sampled 730 monitoring wells and 139 shoreline aquifer tubes to determine the distribution and movement of contaminants. Many of the wells were sampled multiple times during the year, for a total of 2,026 sampling trips. A total of 1,768 samples of Hanford groundwater were analyzed for chromium, 1,367 for nitrate, and 1,054 for tritium. Other constituents frequently analyzed include technetium-99 (702), carbon tetrachloride (585), and uranium (644).	D,H,P	G,Z	Y,S,X	A,M	NO	NO
PNNL-13404		HANFORD SITE	HANFORD SITE	2001 MAR	MJ HARTMAN PNNL	Hanford Site Groundwater Monitoring for Fiscal Year 2000	<a href="http://www.osti.gov/bridge/product.biblio.jsp?query_id=0&amp;page=1&amp;osti_id=15007958&amp;Row=22">http://www.osti.gov/bridge/product.biblio.jsp?query_id=0&amp;page=1&amp;osti_id=15007958&amp;Row=22</a>	Hanford Site Groundwater Monitoring for Fiscal Year 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 fiscal year. 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

Table B1. Annotated Bibliography

Document #	REV./Draft/Vol.	Area	Operable Unit	Date	Authors/ Originator	Title	Link	Summary	Background Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
PNNL-14295		HANFORD SITE	HANFORD SITE	2003 SEPT	TM POSTON, PNNL	Hanford Site Environmental Report for Calendar Year 2002	<a href="http://www.osti.gov/bridge/product.biblio.jsp?query_id=0&amp;page=2&amp;osti_id=15010295&amp;Row=11">http://www.osti.gov/bridge/product.biblio.jsp?query_id=0&amp;page=2&amp;osti_id=15010295&amp;Row=11</a>	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-17603		HANFORD SITE	HANFORD SITE	2008 JUN	TM POSTON, PNNL	Hanford Site Environmental Report for Calendar Year 2007	<a href="http://www.osti.gov/bridge/product.biblio.jsp?query_id=0&amp;page=3&amp;osti_id=939874&amp;Row=9">http://www.osti.gov/bridge/product.biblio.jsp?query_id=0&amp;page=3&amp;osti_id=939874&amp;Row=9</a>	This report, published annually since 1959, provides information and analytical data related to the Hanford Site for calendar year 2007, including a brief history of the site and its mission; compliance with applicable federal, state, and local environmental laws, regulations, permits, executive orders, and U.S. Department of Energy (DOE) policies and directives; and descriptions and summary data from environmental-related programs.	D,H,P	G,Z,C,E,T	Y,S,X,P	A,M	YES	YES
PNNL-6415	REV 17	HANFORD SITE	HANFORD SITE	2005 SEPT	D NEITZEL, PNNL	Hanford Site National Environmental Policy Act (NEPA) Characterization Report, Revision 17	<a href="http://www.osti.gov/bridge/product.biblio.jsp?query_id=0&amp;page=3&amp;osti_id=877061&amp;Row=14">http://www.osti.gov/bridge/product.biblio.jsp?query_id=0&amp;page=3&amp;osti_id=877061&amp;Row=14</a>	This document describes the U.S. Department of Energy's (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 National Environmental Policy Act (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 18th revision) the only version that is relevant for use in the preparation of Hanford NEPA, State Environmental Policy Act (SEPA), and Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) documents	D,H,P	G,Z,C,E,T	Y,S,X,P	A,M	NO	NO
PNL-8143		100 Areas	100 Areas	1992 SEPT	J.C. CHATTERS, H.A. GARD, P.E. MINTHORN, PNNL	Fiscal year 1991 report on archaeological surveys of the 100 Areas, Hanford Site, Washington	<a href="http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=2&amp;osti_id=7034264&amp;Row=21">http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=2&amp;osti_id=7034264&amp;Row=21</a>	In compliance with Section 106 of the National Historic Preservation Act (NHPA), and at the request of Westinghouse Hanford Company, the Hanford Cultural Resources Laboratory (HCRL) conducted an archaeological survey during FY 1991 of the 100 Area reactor compounds on the U.S. Department of Energy's Hanford Site. This survey was conducted as part of a comprehensive cultural resources review of 100 Area Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) operable units in support of CERCLA characterization activities.	H	G,T			NO	NO

Table B1. Annotated Bibliography

Document #	REV./Draft/Vol.	Area	Operable Unit	Date	Authors/ Originator	Title	Link	Summary	Background Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
HW-55774		100-F	100-F	1958 APR	R.B. HALL, W.R. CONLEY, PNNL	Development test authorization IP-154-AL sulfuric acid study	<a href="http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=2&amp;osti_id=10174975&amp;Row=24">http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=2&amp;osti_id=10174975&amp;Row=24</a>	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		
PNNL-13327; EWO2J1080		100-F	100-FR-3	2000 SEPT	M.D. SWEENEY, PNNL	Groundwater Sampling and Analysis Plan for the 100-FR-3 Operable Unit	<a href="http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=3&amp;osti_id=763205&amp;Row=1">http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=3&amp;osti_id=763205&amp;Row=1</a>	The purpose of this plan is to describe groundwater sampling and analysis for the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) in the 100-FR-3 Operable Unit. The plan describes the well network constituents analyzed, sampling protocol, and reporting and quality assurance requirements.	D,H,P	G,Z		A,M	NO	NO
WCH-00312	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	<a href="http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=3&amp;osti_id=945221&amp;Row=3">http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=3&amp;osti_id=945221&amp;Row=3</a>	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 ( <i>Myotis yumanensis</i> ) and that they use many portions of the complex facility at different times of the year.	H,P	E		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	<a href="http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=3&amp;osti_id=944195&amp;Row=4">http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=3&amp;osti_id=944195&amp;Row=4</a>	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

Table B1. Annotated Bibliography

Document #	REV./Draft/Vol.	Area	Operable Unit	Date	Authors/ Originator	Title	Link	Summary	Background Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
PNNL-14444		HANFORD SITE	HANFORD SITE	2003 OCT	M.J. HARTMAN, R.E. PETERSON, PNNL	Aquifer Sampling Tube Results for Fiscal Year 2003	<a href="http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=3&amp;osti_id=15010379&amp;Row=6">http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=3&amp;osti_id=15010379&amp;Row=6</a>	This report presents and discusses results of the fiscal year 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, trichloroethene, and tritium.	H		Y		NO	NO
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	<a href="http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=3&amp;osti_id=269010&amp;Row=7">http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=3&amp;osti_id=269010&amp;Row=7</a>	In 1993, a Limited Field Investigation (LFI) was conducted for the 100-FR-3 Operable Unit that identified trichloroethylene (TCE) as a contaminant of potential concern (COPC). This report summarizes the activities and results of the groundwater/soil gas supplemental LFI for the 100-FR-3 Operable Unit. The primary objective of this investigation was to assess the lateral distribution of TCE in shallow (0.9 to 1.5 m [3 to 5 ft] below the water table) groundwater associated with the 100-FR-3 Operable Unit. The second objective was to assess soil gas (I6991697169516931691168916861683168116781675	D,H,P	G,Z,E	Y,S	A	YES	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	<a href="http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=3&amp;osti_id=944166&amp;Row=8">http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=3&amp;osti_id=944166&amp;Row=8</a>	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
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	<a href="http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=3&amp;osti_id=965720&amp;Row=10">http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=3&amp;osti_id=965720&amp;Row=10</a>	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

Table B1. Annotated Bibliography

Document #	REV./Draft/Vol.	Area	Operable Unit	Date	Authors/ Originator	Title	Link	Summary	Background Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
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 ( <i>Oncorhynchus tshawytscha</i> ) in the Hanford Reach, Columbia River	<a href="http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=3&amp;osti_id=10190976&amp;Row=12">http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=3&amp;osti_id=10190976&amp;Row=12</a>	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
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	<a href="http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=3&amp;osti_id=965213&amp;Row=13">http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=3&amp;osti_id=965213&amp;Row=13</a>	Strontium-90, a radioactive contaminant from historical operations at the U.S. Department of Energy (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 near-shore 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
HW-65989		HANFORD SITE	HANFORD SITE	1960 JUL	J.P. CORLEY, FACILITIES ENGINEERING OPERATION	Reactor effluent outfall structures: Status and potential problems	<a href="http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=3&amp;osti_id=10174583&amp;Row=14">http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=3&amp;osti_id=10174583&amp;Row=14</a>	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
PNL-8716		HANFORD SITE	HANFORD SITE	1993 JUN	P.E. DRESEL, D.R. NEWCOMER, J.C. EVANS, W.D. WEBBER, F.A. SPANNE, JR., R.G. RAYMOND, B.E. OPITZ, PNNL	Hanford Site ground-water monitoring for 1992	<a href="http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=3&amp;osti_id=10172425&amp;Row=16">http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=3&amp;osti_id=10172425&amp;Row=16</a>	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

Table B1. Annotated Bibliography

Document #	REV./Draft/Vol.	Area	Operable Unit	Date	Authors/ Originator	Title	Link	Summary	Background Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
WCH-00029	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	<a href="http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=3&amp;osti_id=973105&amp;Row=18">http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=3&amp;osti_id=973105&amp;Row=18</a>	This report documents concentrations of radionuclides, trace metals, and semivolatile organic compounds measured in shell samples of the western pearl shell mussel ( <i>Margaritifopsis falcafa</i> ) collected along the Hanford Reach of the Columbia River.	D,H,P	E	Y,S	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	<a href="http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=3&amp;osti_id=10142634&amp;Row=22">http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=3&amp;osti_id=10142634&amp;Row=22</a>	This report 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
RSVP-2006-033	Rev. 0	100-F	100-FR-1	2006 AUG	L.M. DITTMER, PNNL	Remaining Sites Verification Package for the 100-F-31, 144-F Sanitary Sewer System, Waste Site Reclassification Form 2006-033	<a href="http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=3&amp;osti_id=945014&amp;Row=24">http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=3&amp;osti_id=945014&amp;Row=24</a>	The 100-F-31 waste site is a former septic system that supported the inhalation laboratories, also referred to as the 144-F Particle Exposure Laboratory (132-F-2 waste site), which housed animals exposed to particulate material. The 100-F-31 waste site has been remediated to achieve the remedial action objectives specified in the Remaining Sites ROD. 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		Y,S	A	NO	NO
RSVP-2007-002	Rev. 0	100-F	100-FR-1	2007 MAY	L.M. DITTMER, PNNL	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 2007-002	<a href="http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=4&amp;osti_id=944204&amp;Row=1">http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=4&amp;osti_id=944204&amp;Row=1</a>	This remaining sites verification package documents completion of remedial action and sampling activities for the 100-F-36 and 116-F-15 waste sites. In accordance with this evaluation, the confirmatory and verification sampling results support a reclassification of these sites to No Action (100-F-36) and Interim Closed Out (1 16-F-15).	D,H,P	E	Y,S	A	YES	NO

Table B1. Annotated Bibliography

Document #	REV./Draft/Vol.	Area	Operable Unit	Date	Authors/ Originator	Title	Link	Summary	Background Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
RSVP-2006-043	Rev. 0	100-F	100-FR-1	2006 SEPT	L.M. DITTMER, PNNL	Remaining Sites Verification Package for the 1607-F5 Sanitary Sewer System (124-F-5), Waste Site Reclassification Form 2006-043	<a href="http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=4&amp;osti_id=944156&amp;Row=5">http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=4&amp;osti_id=944156&amp;Row=5</a>	The 1607-F5 waste site has been evaluated and remediated in accordance with the Remaining Sites ROD (EPA 1999) and the RDRRAWP (DOE-RL 2005b). Approximately 2,250 metric tons (2,480 US tons) of material was removed for disposal at ERDF. Sampling to verify the completeness of remediation was performed, and analytical results were shown to meet the cleanup objectives for direct exposure, groundwater protection, and river protection. In accordance with this evaluation, the verification sampling results support a reclassification of the 1607-F5 site to Interim Closed Out. This site does not have a deep zone; therefore, no deep-zone institutional controls are required.	D,H,P		Y,S	A	NO	NO
WCH-00288	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	<a href="http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=4&amp;osti_id=973161&amp;Row=8">http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=4&amp;osti_id=973161&amp;Row=8</a>	The purpose of this report is to document the status of revegetation projects and natural resources mitigation efforts that have been conducted for remediated waste sites and other activities associated with the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) cleanup of National Priorities List 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, one revegetation/mitigation project, and two bat habitat mitigation projects.	D,H	E			NO	NO
WCH-00024	Rev. 0	HANFORD SITE	HANFORD SITE	2005 SEPT	A.L. JOHNSON, WCH	2005 River Corridor Cleanup Contractor Revegetation Monitoring Report	<a href="http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=4&amp;osti_id=973103&amp;Row=9">http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=4&amp;osti_id=973103&amp;Row=9</a>	This report 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 the Environmental Restoration Disposal Facility (ERDF) Cells 1 and 2 mitigation plantings on the Arid Lands Ecology Reserve.	D,H	E			NO	NO

Table B1. Annotated Bibliography

Document #	REV./Draft/Vol.	Area	Operable Unit	Date	Authors/ Originator	Title	Link	Summary	Background Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
WCH-00223	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	<a href="http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=4&amp;osti_id=944089&amp;Row=10">http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=4&amp;osti_id=944089&amp;Row=10</a>	The purpose of this report is to document the status of revegetation projects and natural resources mitigation efforts that have been conducted for remediated waste sites and other activities associated with the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) cleanup of National Priorities List 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, one revegetation/mitigation project, and 3 bat habitat mitigation projects.	D,H	E			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	<a href="http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=4&amp;osti_id=945298&amp;Row=11">http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=4&amp;osti_id=945298&amp;Row=11</a>	This cleanup verification package documents 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 Operable Unit in the 100-F Area of the Hanford Site in southeastern Washington State. 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
RSVP-2006-021	Rev. 0	100-F	100-FR-1	2006 AUG	L.M. DITTMER, WCH	Remaining Sites Verification Package for the 100-F-33, 146-F Aquatic Biology Fish Ponds, Waste Site Reclassification Form 2006-021	<a href="http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=4&amp;osti_id=945013&amp;Row=16">http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=4&amp;osti_id=945013&amp;Row=16</a>	This report demonstrates that the 100-F-33, 146-F Aquatic Biology Fish Ponds 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. This site does not have a deep zone; therefore, no deep-zone institutional controls are required.	D,H,P		Y,S	A	NO	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	<a href="http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=4&amp;osti_id=944162&amp;Row=19">http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=4&amp;osti_id=944162&amp;Row=19</a>	The sample results for the 100-F-44:2 subsite (Discovery Pipeline Near 108-F Building) demonstrate that the site achieves the remedial action objectives and remedial action goals (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 #	REV./Draft/Vol.	Area	Operable Unit	Date	Authors/ Originator	Title	Link	Summary	Background Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
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	<a href="http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=4&amp;osti_id=10192470&amp;Row=23">http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=4&amp;osti_id=10192470&amp;Row=23</a>	This report presents the results of the Ground-Water Surveillance Project monitoring for calendar year 1993 on the Hanford Site, Washington. 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
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	<a href="http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=4&amp;osti_id=944133&amp;Row=24">http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=4&amp;osti_id=944133&amp;Row=24</a>	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
BHI-01022	Rev. 0	100-F	100-F	1998 MAR	T.M. BROWN, BECHTEL HANFORD, INC.	Sampling and Analysis Instruction for the 120-F-1 Glass Dump Site	<a href="http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=5&amp;osti_id=641280&amp;Row=4">http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=5&amp;osti_id=641280&amp;Row=4</a>	This sampling and analysis instruction has been 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
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	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=DA02754894">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=DA02754894</a>	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

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Document #	REV./Draft/Vol.	Area	Operable Unit	Date	Authors/ Originator	Title	Link	Summary	Background Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
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	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D5628197">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D5628197</a>	This cleanup verification package documents completion of remedial action for the 100-F-23, 141-C Drywell (hereinafter referred to as the 100-F-23 site). Results of the sampling, laboratory analyses, and data evaluations for the 100-F-23 site indicate that all remedial action objectives and goals for direct exposure, protection of groundwater, and protection of the Columbia River have been met.	D,H,P		Y,S	A	NO	NO
DOE/RL-93-83	Draft A	100-F	100-FR-3	1994 APRIL	DOE-RL	Limited Field Investigation Report for 100-FR-3 OU	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D196084471">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D196084471</a>	The LFI for the 100-FR-3 Operable Unit was conducted to determine the nature and extent of hazardous/radioactive materials present in the groundwater. Under the occasional-use scenario, no unacceptable human health risk is identified. Therefore, no IRM is necessary based on risk. Numerous contaminants exceed ARAR levels; therefore, the 100-FR-3 should remain on the IRM pathway, but remedial actions should be coordinated with the overlying source operable units.	D,H,P	G,Z,E,T	Y,S,X,P	A,M	YES	NO
DOE/RL-91-53	Rev. 0	100-F	100-FR-3	1992 SEPT	DOE-RL	Remedial Investigation Feasibility Study Work Plan for 100-FR-3 OU	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D196110847">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D196110847</a>	This work plan and the attached supporting project plans establish the operable unit setting and the objectives, procedures, tasks, and schedule for conducting the CERCLA remedial investigation/ feasibility study (RI/FS) for the 100-FR-3 operable unit.	D,H,P	G,Z,C,E,T	Y,S,X,P	A,M	YES	YES
UNI-1001		100-F	100-F	1978 MAR	Planning Division	Production Reactor Decommissioning Study 100-F Site and Facilities Description	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D196071177">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D196071177</a>	This document 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

Table B1. Annotated Bibliography

Document #	REV./Draft/Vol.	Area	Operable Unit	Date	Authors/ Originator	Title	Link	Summary	Background Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
CVP-2006-00007	Rev. 0	100-F	100-FR-2	2006 OCT	L.M. DITTMER, WCH	Cleanup Verification Package for the 118-F-7, 100-F Miscellaneous Hardware Storage Vault	<a href="http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=0&amp;osti_id=945299&amp;Row=0">http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=0&amp;osti_id=945299&amp;Row=0</a>	This cleanup verification package documents 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 Operable Unit in the 100-F Area of the Hanford Site in southeastern Washington State. 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-2008-00001	Rev. 0	100-F	100-FR-2	2008 JUN	J.M. CAPRON, WCH	Cleanup Verification Package for the 118-F-6 Burial Ground	<a href="http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=0&amp;osti_id=945223&amp;Row=1">http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=0&amp;osti_id=945223&amp;Row=1</a>	This report demonstrates that the 118-F-6 Burial Ground (also referred to as the Pacific Northwest Laboratory [PNL] Solid Waste Burial Ground) 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		Y,S	A	YES	NO
CVP-2006-00009	Rev. 0	100-F	100-FR-2	2007 JAN	L.M. DITTMER, WCH	Cleanup Verification Package for the 100-F-20, Pacific Northwest Laboratory Parallel Pits	<a href="http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=0&amp;osti_id=945297&amp;Row=2">http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=0&amp;osti_id=945297&amp;Row=2</a>	This cleanup verification package documents completion of remedial action for the 100-F-20, Pacific Northwest Laboratory parallel pits waste site. Results of the sampling, laboratory analyses, and data evaluations for the 100-F-20 site (which includes the remediation footprint and the above-cleanup-level staging pile footprint) indicate that all remedial action objectives and goals for direct exposure, protection of groundwater, and protection of the Columbia River have been met.	D,H,P		Y,S	A	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	<a href="http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=0&amp;osti_id=944172&amp;Row=3">http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=0&amp;osti_id=944172&amp;Row=3</a>	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

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Document #	REV./Draft/Vol.	Area	Operable Unit	Date	Authors/ Originator	Title	Link	Summary	Background Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
RSVP-2006-039	Rev. 0	100-F	100-FR-1	2006 JUN	L.M. DITTMER, WCH	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	<a href="http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=0&amp;osti_id=944440&amp;Row=5">http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=0&amp;osti_id=944440&amp;Row=5</a>	This remaining sites verification package documents completion of remedial action for the 116-F-16 and 100-F-43 waste sites, the PNL Outfall Structure, and its associated discharge spillway. Results of the sampling, laboratory analyses, and data evaluations for the 116-F-16 and 100-F-43 sites indicate that all remedial action objectives for direct exposure, protection of groundwater, and protection of the Columbia River have been met.	D,H,P		Y,S	A	YES	NO
CVP-2007-00003	Rev. 0	100-F	100-FR-2	2008 FEB	L.M. DITTMER, WCH	Cleanup Verification Package for the 118-F-5 PNL Sawdust Pit	<a href="http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=0&amp;osti_id=945226&amp;Row=7">http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=0&amp;osti_id=945226&amp;Row=7</a>	This cleanup verification package documents completion of remedial action, sampling activities, as well as assessment of compliance with cleanup criteria for the 118-F-5 Burial Ground (Pacific Northwest Laboratory Sawdust Pit). Results of the verification sampling, laboratory analyses, and data evaluations for the 118-F-5 Burial Ground indicate that all remedial action objectives for direct exposure, protection of groundwater, and protection of the Columbia River have been met.	D,H,P		Y,S	A	YES	NO
RSVP-2006-042	Rev. 0	100-F	100-FR-2	2006 OCT	L.M. DITTMER, WCH	Remaining Sites Verification Package for the 128-F-3 PNL Burn Pit, Waste Site Reclassification Form 2006-042	<a href="http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=0&amp;osti_id=944155&amp;Row=8">http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=0&amp;osti_id=944155&amp;Row=8</a>	This report demonstrates that the 128-F-3 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		Y,S	A	YES	NO
RL-REA-2514		100-F and 100-H	100-F and 100-H	1965 OCT	G. HERMAN, JR., GENERAL ELECTRIC	Underground radioactive materials in 100-H and F plants	<a href="http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=0&amp;osti_id=5129123&amp;Row=11">http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=0&amp;osti_id=5129123&amp;Row=11</a>	This report describes the underground radioactive materials in the deactivated reactor area of 100-H and 100-F. 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.	D		Y		NO	NO

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Document #	REV./Draft/Vol.	Area	Operable Unit	Date	Authors/ Originator	Title	Link	Summary	Background Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
RSVP-2005-025	Rev. 0	100-F	100-FR-1	2005 AUG	R.A. CARLSON, WCH	Remaining Sites Verification Package for the 182-F Reservoir Waste Site, Waste Site Reclassification Form 2005-025	<a href="http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=0&amp;osti_id=944139&amp;Row=13">http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=0&amp;osti_id=944139&amp;Row=13</a>	This report demonstrates that the 182-F Reservoir waste site meets the remedial action objectives (RAOs) and remedial action goals (RAGS) for interim closure. The results of 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	YES	NO
RSVP-2006-029	Rev. 0	100-F	100-FR-1	2006 AUG	L.M. DITTMER, WCH	Remaining Sites Verification Package for the 132-F-1, 141-F Chronic Feeding Sheep Barn, Waste Site Reclassification Form 2006-029	<a href="http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=0&amp;osti_id=944149&amp;Row=17">http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=0&amp;osti_id=944149&amp;Row=17</a>	This report demonstrates that the 132-F-1 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
CVP-2002-00004	Rev. 1	100-F	100-FR-2	2007 OCT	L.M. DITTMER, WCH	Cleanup Verification Package for the 126-F-1, 184-F Powerhouse Ash Pit	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=DA06101373">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=DA06101373</a>	This cleanup verification package documents 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 remedial action objectives 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
DOE/RL-96-85	Rev. 0	HANFORD SITE	HANFORD SITE	1996 OCT	DOE-RL	Engineering evaluation cost analysis for the 100-B/C area ancillary facilities at the 108-F Building	<a href="http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=0&amp;osti_id=663393&amp;Row=23">http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=0&amp;osti_id=663393&amp;Row=23</a>	This report presents the results of the EE/CA for removal alternatives for final disposition of five facilities in the BC Area and one in the 100-F Area. The EE/CA was conducted pursuant to the requirements of CERCLA and 40 CFR 300.415 and is intended to aid RL and the EPA in selecting a preferred removal action.	D,H,P		Y,S,X	A	YES	YES

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Document #	REV./Draft/Vol.	Area	Operable Unit	Date	Authors/ Originator	Title	Link	Summary	Background Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
DOE/RL-97-29	Rev. 0	100-F	100-FR-1 100-FR-2	1997 SEPT	DOE-RL	Removal design report for the 108-F Biological Laboratory	<a href="http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=1&amp;osti_id=663391&amp;Row=1">http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=1&amp;osti_id=663391&amp;Row=1</a>	The purpose of this removal design report (RDR) is to establish the methods of decontamination and decommissioning (D&D) and the supporting actions associated with facility removal and disposal. This RDR describes each task required and the implementation processes used to perform these activities. This RDR additionally identifies the regulatory guidelines, applicable orders, and procedures that will be used to direct and control the work activities. This document will serve as the decommissioning plan for the 108-F Facility.	D,H,P		Y,S,X	A,M	YES	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	<a href="http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=1&amp;osti_id=945293&amp;Row=2">http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=1&amp;osti_id=945293&amp;Row=2</a>	This cleanup verification package documents 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 remedial action objectives for direct exposure, protection of groundwater, and protection of the Columbia River have been met.	D,H,P		Y,S	A	YES	NO
PNNL-14287		100-F 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	<a href="http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=1&amp;osti_id=15010209&amp;Row=5">http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=1&amp;osti_id=15010209&amp;Row=5</a>	The primary objective of this 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 records of decision for the 100-BC-5 and 100-FR-3 Operable Units.	D,H,P		Y,S,X	A,M	YES	YES
RSVP-2007-001	Rev. 0	100-F	100-FR-2	2008 APR	J.M. CAPRON, WCH	Remaining Sites Verification Package for the 100-F-50 Stormwater Runoff Culvert, Waste Site Reclassification Form 2007-001	<a href="http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=1&amp;osti_id=944161&amp;Row=6">http://www.osti.gov/bridge/product.biblio.jsp?query_id=3&amp;page=1&amp;osti_id=944161&amp;Row=6</a>	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 (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	YES	NO

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Document #	REV./Draft/Vol.	Area	Operable Unit	Date	Authors/ Originator	Title	Link	Summary	Background Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
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	<a href="http://www.osti.gov/bridge/product_biblio.jsp?query_id=3&amp;page=1&amp;osti_id=944170&amp;Row=7">http://www.osti.gov/bridge/product_biblio.jsp?query_id=3&amp;page=1&amp;osti_id=944170&amp;Row=7</a>	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
05-AMRC-0316		600 Area	100-IU-2 100-IU-6	2005 MAY	DOE-RL	AIR MONITORING PLAN FOR 100-IU-2 AND 100-IU-6 REMAINING SITES	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=DA451338">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=DA451338</a>	Remedial action (i.e., cleanup) of the remaining sites located in the 100-IU-2 and 100-IU-6 Areas has the potential to emit radioactive particulates. This activity is being conducted under the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) as the associated Record of Decision issued by the U.S. Environmental Protection Agency (EPA). Quantification of radioactive emissions, implementation of best available radionuclide control technology (BARCT), and air monitoring have been identified as substantive requirements (i.e., applicable or relevant and appropriate requirements) for the remedial action.	D,H,P		Y			
2003-033	Rev. 0	600 Area	100-IU-6	2004 JAN	R.A. CARLSON, WCH	WASTE SITE RECLASSIFICATION FORM 100-IU-6 600-107	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D4854875">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D4854875</a>	The 600-107 site is located north of Route 11A, at the base of Gable Mountain, within the 100-IU-6 Operable Unit in the 600 Area of the Hanford Site in southeastern Washington State. In accordance with this evaluation, the sample results support the No Action reclassification of the 600-107 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
2003-040		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	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D2985656">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D2985656</a>	The 600-132 site is a large, open borrow pit located within the 100-IU-2 Operable Unit in the 600 Area of the Hanford Site. 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

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Document #	REV./Draft/Vol.	Area	Operable Unit	Date	Authors/ Originator	Title	Link	Summary	Background Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
2003-047	Rev. 0	600 Area	100-IU-2	2003 SEPT	R.A. CARLSON, WCH	WASTE SITE RECLASSIFICATION FORM 100-IU-2 600-190 TAR AND OR PAINT SITE	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D2984625">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D2984625</a>	The 600-190 site is located within the 100-IU-2 Operable Unit in the 600 Area of the Hanford Site in southeastern Washington State. In accordance with this evaluation, the cleanup verification results from samples of underlying soil support the interim closure of the 600-190 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
2003-048		600 Area	100-IU-2	2003 AUG	R.A. CARLSON, WCH	WASTE SITE RECLASSIFICATION FORM 100-IU-2 600-181	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D2985683">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D2985683</a>	The 600-181 site is part of the 100-IU-2 Operable Unit in the White Bluffs area of the Hanford Site. 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
2003-28		600 Area	100-IU-2	2003 OCT	R.A. CARLSON, WCH	WASTE SITE RECLASSIFICATION FORM 100-IU-2 600-52	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D4854828">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D4854828</a>	The 600-52 site is a depression located within the 100-IU-2 Operable Unit in the 600 Area of the Hanford Site in southeastern Washington State. Based on a preponderance of information (e.g., site history, previous sample results, field walkdown), the 600-52 White Bluffs Surface Basin site achieves the remedial action objectives and the corresponding remedial action goals. 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
2003-37		600 Area	100-IU-2	2003 JUNE	R.A. CARLSON, WCH	WASTE SITE RECLASSIFICATION FORM 100-IU-2 600-99	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D2963835">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D2963835</a>	The 600-99 site is located within the 100-IU-2 Operable Unit in the 600 Area of the Hanford Site in southeastern Washington State. This evaluation supports the No Action closure of the 600-99 site, and achieves the remedial action objectives and the corresponding remedial action goals. Residual soil concentrations support unrestricted future use of shallow-zone soil (i.e., surface to 4.5 m [15 feet]) and contaminant levels remaining in the soil are protective of groundwater and the Columbia River.	D,H,P		Y,S	A	YES	NO

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Document #	REV./Draft/Vol.	Area	Operable Unit	Date	Authors/ Originator	Title	Link	Summary	Background Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
2003-38		600 Area	100-IU-2	2003 SEPT	R.A. CARLSON, WCH	WASTE SITE RECLASSIFICATION FORM 100-IU-2 600-201	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D2985703">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D2985703</a>	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 ground penetrating radar and a test pit to confirm that it does not require remediation and meets the remedial action objectives (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	Rev. 0	600 Area	100-IU-2	2003 SEPT	R.A. CARLSON, WCH	WASTE SITE RECLASSIFICATION FORM 100-IU-2 600-128	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D4854955">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D4854955</a>	The 600-128 site is located within the 100-IU-2 Operable Unit in the 600 Area of the Hanford Site in southeastern Washington State. In accordance with this evaluation, the cleanup verification results from samples of underlying soil support the interim closure of the 600-128 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
2003-41		600 Area	100-IU-2	2003 SEPT	R.A. CARLSON, WCH	WASTE SITE RECLASSIFICATION FORM 100-IU-2 600-139	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D2963815">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D2963815</a>	The 600-139 site is located within the 100-IU-2 Operable Unit in the 600 Area of the Hanford Site in southeastern Washington State. 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		600 Area	100-IU-6	2003 SEPT	R.A. CARLSON, WCH	WASTE SITE RECLASSIFICATION FORM 100-IU-6 600-204	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D2985607">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D2985607</a>	The 600-204 site is located within the 100-IU-6 Operable Unit in the 600 Area of the Hanford Site in southeastern Washington State. In accordance with this evaluation, the cleanup verification results from samples of underlying soil support the interim closure of the 600-204 site. Residual soil concentrations support unrestricted future use of shallow- zone soil (i.e., surface to 4.5 m [15 feet]) and contaminant levels remaining in the soil are protective of groundwater and the Columbia River.	D,H,P		Y,S	A	YES	NO

Table B1. Annotated Bibliography

Document #	REV./Draft/Vol.	Area	Operable Unit	Date	Authors/ Originator	Title	Link	Summary	Background 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	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D2985632">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D2985632</a>	The 600-131 site is located within the 100-IU-2 Operable Unit in the 600 Area of the Hanford Site in southeastern Washington State. 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		600 Area	100-IU-2	2003 SEPT	R.A. CARLSON, WCH	WASTE SITE RECLASSIFICATION FORM 100-IU-2 628-1	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D2985567">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D2985567</a>	The 628-1 site is located within the 100-IU-2 Operable Unit in the White Bluffs 600 Area of the Hanford Site in southeastern Washington State. In accordance with this evaluation, the cleanup verification results from samples of underlying soil support the interim closure of the 628-1 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
2004-062	Rev. 0	600 Area	100-IU-6	2004 JUL	R.A. CARLSON, WCH	WASTE SITE RECLASSIFICATION FORM 100-IU-6 600-110	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D5920865">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D5920865</a>	The 600-110 site, known as the Hanford Townsite Landfill, is located within the 100-IU-6 Operable Unit of the Hanford Site. In accordance with this evaluation, the confirmatory field investigation results support a reclassification status of no action for the 600-110 Hanford Townsite Landfill site. The results of the evaluation show that the site will support future unrestricted land uses that can be represented (or bounded) by a rural-residential scenario. The results also support unrestricted future use of the shallow-zone soil (i.e., surface to 4.6 m [15 ft]) and show that current conditions are protective of groundwater and the Columbia River.	D,H,P		Y,S	A	YES	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	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D6054273">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D6054273</a>	The 600-208 site, known as the Hanford Construction Camp Boiler House Ponds, is located within the 100-IU-6 Operable Unit of the Hanford Site. 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

Table B1. Annotated Bibliography

Document #	REV./Draft/Vol.	Area	Operable Unit	Date	Authors/ Originator	Title	Link	Summary	Background Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
2004-098	Draft A	600 Area	100-IU-6	2004 AUG	R.A. CARLSON, WCH	WASTE SITE RECLASSIFICATION FORM 100-IU-6 600-98	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D6054247">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D6054247</a>	The 600-98 site, known as the East White Bluffs City Landfill, is located within the 100-IU-6 Operable Unit of the Hanford Site. In accordance with this evaluation, a reclassification status of no action has been determined for the 600-98 site, the East White Bluffs City Landfill. The site achieves the remedial action objectives and the corresponding remedial action goals. 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		Y,S	A	YES	NO
CVP-2001-00020	Rev. 0	600 Area	100-IU-6	2001 DEC	M.J. HAASS, WCH	CLEANUP VERIFICATION PACKAGE FOR 600-23 DUMPING AREA	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D8930482">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D8930482</a>	This cleanup verification package documents completion of remedial action for the 600-23 Dumping Area. Results of the sampling, laboratory analyses, and data evaluations for the 600-23 site indicate that all remedial action objectives and goals for direct exposure, protection of groundwater, and protection of the Columbia River have been met.	D,H,P		Y,S	A	YES	NO
DOE/RL-2008-46- ADD4	Rev. 0 Reissue	100 Areas	100-FR-1, 100-FR-2, 100-FR-3, 100-IU-2, and 100-IU-6	2010 MAR	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	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=1006220804">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=1006220804</a>	This document is Addendum 4 of the <i>Integrated 100 Area Remedial Investigation/Feasibility Study Work Plan</i> (DOE/RL-2008-46). This document supports the final remedy under CERCLA for 100-F/IU-2/IU-6 at the Hanford Site.	D,H,P	G,Z,E,T	Y,S,X,P	A,M	YES	NO
DOE/RL-2009-43	Rev. 0	100-F	100-FR-1, 100-FR-2, 100-FR-3, 100-IU-2, and 100-IU-6	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 OPERABLE UNITS REMEDIAL INVESTIGATION/FEASIBILITY STUDY	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=1006220803">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=1006220803</a>	This sampling and analysis plan (SAP) supports the remedial investigation (RI)/feasibility study (FS) process for 100-F/IU-2/IU-6. This SAP describes the sampling and analysis to be performed associated with environmental investigation borings (boreholes) and groundwater monitoring wells.	D,H,P		Y		NO	NO

Table B1. Annotated Bibliography

Document #	REV./Draft/Vol.	Area	Operable Unit	Date	Authors/ Originator	Title	Link	Summary	Background Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
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	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D197142718">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D197142718</a>	The purposes of this document are to summarize waste site information gathered to date relating to the 100-IU-2 and 100-IU-6 Operable Units and to plan the extent of evaluation necessary to make cleanup decisions for identified waste sites under the Comprehensive Environmental Response, Compensation, and Liability Act of 1981(CERCLA). This is a streamlined approach to the decision making process, reducing the time and costs for document preparation and review.	D,H,P	Z			NO	NO
Not listed.		HANFORD SITE	HANFORD SITE	1999 JULY	DOE-RL	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	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D199153689">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D199153689</a>	This decision document presents the selected interim remedial actions for portions of the U.S. Department of Energy (DOE) Hanford 100 Area (100 Area Remaining Sites) 100 Area reactor waste and portions of the 200 Area, Hanford Site, Benton County, Washington, which were chosen in accordance with the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA), as amended by the Superfund Amendments and Reauthorization Act of 1986, and to the extent practicable, the National Oil and Hazardous Substances Pollution Contingency Plan (NCP). This decision is based on the Administrative Record for this site and for the specific operable units.	D,H,P		Y,S	A	YES	NO
PNNL-12086		HANFORD SITE	HANFORD SITE	1999 FEB	M.J. HARTMAN, PNNL	Hanford Site Groundwater Monitoring for Fiscal Year 1998	<a href="http://www.osti.gov/bridge/product.biblio.jsp?query_id=0&amp;page=0&amp;osti_id=4737&amp;Row=4">http://www.osti.gov/bridge/product.biblio.jsp?query_id=0&amp;page=0&amp;osti_id=4737&amp;Row=4</a>	This report summarizes the results of fiscal year 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 the Resource Conservation and Recovery Act of 1976 (RCRA), specific Washington Administrative Codes, and the Atomic Energy Act of 1954 as implemented by U.S. Department of Energy (DOE) orders. This report also summarizes results of groundwater monitoring conducted to assess the effects of remediation or interim measures conducted in accordance with the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA).	D,H,P	G,Z,T	Y,S,X,P	A,M	YES	NO
PNNL-13127; EW02J1110		100-F	100-F	2000 MAY	R.E. PETERSON, T.M. POSTON, PNNL	Strontium-90 at the Hanford Site and its ecological implications	<a href="http://www.osti.gov/bridge/product.biblio.jsp?query_id=0&amp;page=0&amp;osti_id=755352&amp;Row=1">http://www.osti.gov/bridge/product.biblio.jsp?query_id=0&amp;page=0&amp;osti_id=755352&amp;Row=1</a>	The purpose of the report is to characterize groundwater contaminants in the near-shore environment and to assess the potential for ecological impact using salmon embryos, one of the most sensitive ecological indicators for aquatic organisms.	D,H,P		Y,S	A	YES	NO

Table B1. Annotated Bibliography

Document #	REV./Draft/Vol.	Area	Operable Unit	Date	Authors/ Originator	Title	Link	Summary	Background 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]	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D196092153">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D196092153</a>	This report 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) Resource Conservation and Recovery Act of 1976 (RCRA) disposal units, 2) Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) disposal units, 3) unplanned releases, 4) inactive contaminated structures, 5) RCRA treatment, storage, and disposal (TSD) 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 HSWA.	D,H,P	G,Z	Y,S,X	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 DOE-RL FIVE YEAR PLAN FY 1993 THROUGH 1997	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D196072700">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D196072700</a>	This document is part of the site-specific plan for the U.S. Department of Energy-Richland Operations Office (DOE-RL). It is the first revision of the original plan, which was dated December 1989 (DOE-RL 1989a). The DOE-HQ Five-Year 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-HQ 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 one year sooner, or 2018).	D,H,P	G,Z,E,T	Y,S,X,P	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	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D196071261">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D196071261</a>	This document 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 operable units and waste sites in the 100 Area and data for unplanned release waste units in the 600 Area.	D				No	No
DOE/RL 89-14	Draft A	100 AREA 300 AREA	300-FF-5 100-F	1989 SEP	DOE-RL	REMEDIAL INVESTIGATION FEASIBILITY STUDY WORK PLAN FOR 300-FF-5 OU	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D195064674">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D195064674</a>	The purposes of an RI/FS are to determine the nature and extent of the threat posed by a release of hazardous substances to the environment and to evaluate proposed remedies for such a release [40 CFR 300.8(d)]. The work plan for the 300-FF-5 groundwater operable unit on the Hanford Site is the topic of this document. This document contains some 100-F information.	D,H,P	G,Z,E,T	Y,S,X,P	A,M	Yes	Yes

Table B1. Annotated Bibliography

Document #	REV./Draft/Vol.	Area	Operable Unit	Date	Authors/ Originator	Title	Link	Summary	Background Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
WHC-EP-0216		100-F	100-FR-1 100-FR-3 100-IU-2/6	1989 FEB	DOE-RL	PRELIMINARY OU DESIGNATION PROJECT	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D195060570">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D195060570</a>	The Preliminary Operable Units 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 operable units. Currently, 78 operable units have been designated and include the over 1,500 waste management units and four groundwater contamination plumes identified on the DOE-owned Hanford Site. The designation of operable units included all individual waste management units identified by the Hanford Waste Information Data System as of February 28, 1989.	D,H,P	G,Z,T	Y,S,X,P		No	No
11-AMRC-0093		100-F	100-IU-2 100-FR-1 100-FR-2	2011 FEB	MS FRENCH	TRANSMITTAL OF THE APPROVED WASTE SITE RECLASSIFICATION FORM AND SUPPORTING DOCUMENTATION FOR THE 600-302 FRENCH DRAIN WITH VENT PIPE REVISION 0	<a href="http://www5.hanford.gov/arpir/?content=detail&amp;AKey=0084021">http://www5.hanford.gov/arpir/?content=detail&amp;AKey=0084021</a>	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 remedial action goals established by the Remaining Sites ROD. 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
11-AMRC-0082	REV. 0	100-F	100-IU-2	2011 FEB	MS 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	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=0084020">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=0084020</a>	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. 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 remedial action objectives (RAOs) and remedial action goals (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	MS FRENCH	TRANSMITTAL OF THE APPROVED WASTE SITE RECLASSIFICATION FORM AND SUPPORTING DOCUMENTATION FOR THE 600-125 WHITE BLUFFS WASTE DISPOSAL TRENCH 1 REVISION 0	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=0084028">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=0084028</a>	Following remediation, verification sampling was conducted in August 2010. The sample results were compared directly to the remedial action goals (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

Table B1. Annotated Bibliography

Document #	REV./Draft/Vol.	Area	Operable Unit	Date	Authors/ Originator	Title	Link	Summary	Background Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
11-AMRC-0080	REV. 0	100-F	100-IU-2	2011 FEB	MS FRENCH	TRANSMITTAL OF THE APPROVED WASTE SITE RECLASSIFICATION FORM AND SUPPORTING DOCUMENTATION FOR THE 600-100 WHITE BLUFFS CITY DUMP REVISION 0	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=0084035">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=0084035</a>	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 remove, treat, and dispose (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
11-AMRC-0067	REV 0	100-F	100-IU-2	2011 JAN	MS 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	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=0084093">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=0084093</a>	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 <sup>2</sup> (10,700 ft <sup>2</sup> ). The scraped area with asbestos lagging is less than 100 m <sup>2</sup> (1,000 ft <sup>2</sup> ). The scraped area with VCP is approximately 11 m <sup>2</sup> (118 ft <sup>2</sup> ). The waste staging pile area is approximately 4 m <sup>2</sup> (43 ft <sup>2</sup> ). The overburden pile is approximately 90 m <sup>2</sup> (970 ft <sup>2</sup> ). Photographs of these areas are provided in Appendix A.	D,H,P	G,Z,T	Y,S,	A	Yes	No
10-AMRC-0176	Rev. 0	100-F	100-IU-2	2010 SEPT	MS FRENCH	TRANSMITTAL OF THE 100-F/IU-2/IU-6 AREA SEGMENT 2 ORPHAN SITES EVALUATION REPORT OSR-2010-0001 REVISION 0	<a href="http://www5.hanford.gov/arpir/?content=detail&amp;AKey=1011050051">http://www5.hanford.gov/arpir/?content=detail&amp;AKey=1011050051</a>	This report summarizes the approach used and results obtained from the orphan sites evaluations of the 100-F/IU-2/IU-6 Area Segment 2 (Segment 2). The evaluations were conducted between March 2009 and January 2010.	D,H,P	G,Z,T	Y,S,X	A	No	No
DOE/RL-2008-46-ADD4	Rev. 0	100-F	100-FR-1	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	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=1006220804">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=1006220804</a>	This document provides site-specific information for 100-F/IU-2/IU-6. The 100-F/IU-2/IU-6 area includes the 100-FR-1, 100-FR-2, 100-IU-2, and 100-IU-6 source OUs, the 100-FR-3 groundwater OU located beneath 100-F, and IU-2 and IU-6. The location of 100-F/IU-2/IU-6 and proximity to other areas is provided in Figure ES-1. As shown in Figure ES-1, 100-F includes the land around the F Reactor, and 100-IU-2/IU-6 encompasses the portion of land outside Hanford's Central Plateau, primary reactor operating areas, and the 300 Area.	D,H,P	G,Z,T	Y,S,X	A	No	No

Table B1. Annotated Bibliography

Document #	REV./Draft/Vol.	Area	Operable Unit	Date	Authors/ Originator	Title	Link	Summary	Background Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
10-AMRC-0084		100-IU-2	100-IU-2	2010 MAY	MS FRENCH	TRANSMITTAL OF APPROVED WASTE SITE RECLASSIFICATION FORM AND SUPPORTING DOCUMENTATION FOR 600-342 WASTE SITE REVISION 0	<a href="http://www5.hanford.gov/arpir/?content=detail&amp;AKey=0084402">http://www5.hanford.gov/arpir/?content=detail&amp;AKey=0084402</a>	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. Subsequently, Global Positioning Environmental Radiological Surveyor (GPERS) radiological surveys have been 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. References: EPA, 1999, Interim Action Record of Decision for the 100-BC-I, 100-B C-2, 100-DR-I. This correspondence includes attachments (pictures and survey maps of the site).	D,H				No	No
09-AMRC-0083	Rev. 0	100-F	100-IU-2	2009 MAR	MS FRENCH	TRANSMITTAL OF THE 100-IU-2 AND 100-IU-6 AREAS ORPHAN SITES EVALUATION REPORT OSR-2008-0001 REV 0	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=0904080681">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=0904080681</a>	This report summarizes 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. The orphan sites evaluation process is a systematic approach to review land parcels and identify potential waste sites in the river corridor that are not currently listed in existing Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) decision documents (e.g., records of decision [RODs]). Evaluations consist of comprehensive reviews of historical documentation (e.g., documents, drawings, maps, and photographs), field investigations, and geophysical surveys (as needed), and decision documents (e.g., RODs). Evaluations consist of comprehensive reviews of historical documentation (e.g., documents, drawings, maps, and photographs), field investigations, and geophysical surveys (as needed).	D,H,P	G,Z,E,T	S,X,P	A,M	Yes	No
OSR-2008-0001	Rev. 0	100-F	100-IU-2	2009 MAR	MS FRENCH	TRANSMITTAL OF THE 100-IU-2 AND 100-IU-6 AREAS ORPHAN SITES EVALUATION REPORT OSR-2008-0001 REV 0	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=0904080681">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=0904080681</a>	This report summarizes 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. 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 the CERCLA 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

Table B1. Annotated Bibliography

Document #	REV./Draft/Vol.	Area	Operable Unit	Date	Authors/ Originator	Title	Link	Summary	Background Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
09-AMCP-0015		100-F	100-IU-2	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	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=0810240400">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=0810240400</a>	This correspondence 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				No	No
2004-098		100-IU-6	100-IU-6	2004 AUG	DC SMITH, LE GADBOIS	WASTE SITE RECLASSIFICATION FORM 100-IU-6 600-98	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D6054247">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D6054247</a>	The 600-98 site, known as the East White Bluffs Landfill, is located within the 100-IU-6 Operable Unit of the Hanford Site. The site is actually two dumping areas near the White Bluffs Ferry Landing. Historical knowledge supports that this is a pre-Hanford dumping area used to dispose of debris and domestic waste common to the time it was in use. The small amount of scattered surface debris, including pots, bowls, glass, metal, wood, cable, and plywood would not be hazardous or present a risk to human health or the environment. The No Action decision for the 600-98 site is supported based on evaluation of the historical use of the site, field observations, and geophysical surveys.	D,H,P	T			Yes	No
2004096		100-IU-6	100-IU-6	2004 AUG	DC SMITH, LE GADBOIS	WASTE SITE RECLASSIFICATION FORM 100-IU-6 600-208	<a href="http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D6054273">http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D6054273</a>	The 600-208 site, known as the Hanford Construction Camp Boiler House Ponds, is located within the 100-IU-6 Operable Unit of the Hanford Site. Eighteen semi-permanent 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
2004-062		100-IU-6	100-IU-6	2004 AUG	DC SMITH, LE GADBOIS	WASTE SITE RECLASSIFICATION FORM 100-IU-6 600-110	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D5920865">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D5920865</a>	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	T			Yes	No

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2003-033		100-IU-6	100-IU-6	2004 FEB	HE BILSON, LE GADBOIS	WASTE SITE RECLASSIFICATION FORM 100-IU-6 600-107	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D4854875">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D4854875</a>	The No Action decision for the 600-107 site is supported based on reviews of site history, a site walkdown, and characterization results. Maximum detected results from pipe smear and test pit soil samples were shown to meet the cleanup objectives for direct exposure, groundwater protection, and river protection.	D,P	G,Z,T	Y	A	Yes	No
2003-28		100-IU-2	100-IU-2	2003 NOV	HE BILSON, LE GADBOIS	WASTE SITE RECLASSIFICATION FORM 100-IU-2 600-52	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D4854828">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D4854828</a>	The 600-52 site is located within the 100-IU-2 Operable Unit in the 600 Area of the Hanford Site. It is a surface depression that was fed excess water during the late 1940s and early 1950s from a trench from the White Bluffs Icehouse. It is also suspected to have received accidental overflow from adjacent site 600-106, the Pickling Acid Crib, which has been closed out. During sampling for closeout of 600-106, three locations in 600-52 were also sampled for a wide variety of analytes, including radionuclides, organics, pH, and metals (DOE-RL 1993). All results were below cleanup criteria. The 600-52 site, while previously disturbed during construction, is now revegetating naturally.	D,H	G,Z,T			Yes	No
2003-39		100-IU-2	100-IU-2	2003 SEPT	HE BILSON, LE GADBOIS	WASTE SITE RECLASSIFICATION FORM 100-IU-2 600-128	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D4854955">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D4854955</a>	The 600-128 site is located within the 100-IU-2 Operable Unit in the 600 Area of the Hanford Site. The site is 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 the remedial action goals. Results from the sampling activities, laboratory analyses, and evaluation of the 600-128 site data demonstrate that all remedial action objectives and goals for direct exposure, protection of groundwater, and protection of the Columbia River have been met.	D,H,P	G,Z,T	Y	A	Yes	No
2003-047		100-IU-2	100-IU-2	2003 SEPT	HE BILSON, LE GADBOIS	WASTE SITE RECLASSIFICATION FORM 100-IU-2 600-190 TAR AND OR PAINT SITE	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D2984625">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D2984625</a>	The 600-190 site is located within the 100-IU-2 Operable Unit in the 600 Area of the Hanford Site. 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 remedial action goals (RAGS). Results from the sampling activities, laboratory analyses, and evaluation of the 600-132 site data demonstrate that all remedial action objectives 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

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Document #	REV./Draft/Vol.	Area	Operable Unit	Date	Authors/ Originator	Title	Link	Summary	Background Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
2003-46		100-IU-2	100-IU-2	2003 SEPT	HE BILSON, LE GADBOIS	WASTE SITE RECLASSIFICATION FORM 100-IU-2 628-1	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D2985567">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D2985567</a>	Sampling and evaluation of this site have been performed in accordance with remedial action objectives and goals established by the Interim Action Record of Decision for 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 Operable Units, Hanford Site, Benton County, Washington (Remaining Sites ROD), July 1999. The selected action involved (1) sampling of the site, (2) demonstration through a combination of field screening and conformation sampling that cleanup goals have been met, and (3) proposal of no further action.	D,H,P	G,Z,T	Y	A	Yes	No
DOE/RL-2008-46-ADD4	Rev. 0	100-FR-1	100-FR-1	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	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=1006220804">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=1006220804</a>	The Integrated Work Plan (DOE/RL-2008-46) implements an approach designed to reach final remediation decisions, describes key features of the planning process to support implementation of this approach, and provides important key regulatory considerations and risk assessment uncertainties common to the 100 Area. This document provides site-specific information for 100-F/IU-2/IU-6.	D,H,P	G,Z,E,T	Y,S,X,P	A,M	Yes	No
DOE/RL-94-61	Rev. 0	100-F	100-F	1995 JUN	DOE-RL	100 AREA SOURCE OU FOCUSED FEASIBILITY STUDY [SECTION 1 OF 2]	<a href="http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D196015921">http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D196015921</a>	This 100 Area Source OU FFS is to provide decision makers sufficient information to select interim Remedial alternatives for IRM candidate waste sites within the 100 Areas.	D, H, P	G, Z, E, T	Y	A, M	Yes	Yes
DOE/RL-94-61	Rev. 0	100-F	100-F	1995 JUN	DOE-RL	100 AREA SOURCE OU FOCUSED FEASIBILITY STUDY [SECTION 2 OF 2]	<a href="http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D196016522">http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D196016522</a>	This section two of the 100 Area Source OU FFS contains waste site designations for 100-F Area.	D		Y		No	No

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Document #	REV./Draft/Vol.	Area	Operable Unit	Date	Authors/ Originator	Title	Link	Summary	Background Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
DOE/RL-94-150	REV. 0	100-F	100-F	1994 DEC	R. E. Fitzner, S. G. Weiss	BALD EAGLE SITE MANAGEMENT PLAN FOR HANFORD SITE SOUTH CENTRAL WASHINGTON	<a href="http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D196033942">http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D196033942</a>	This Bald Eagle Site Management Plan (BESMP) 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-89-12	REV. 2 DRAFT A	100-F	100-F	1994 OCT	DOE-RL	HANFORD SITE GROUNDWATER PROTECTION MANAGEMENT PLAN	<a href="http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D196054770">http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D196054770</a>	This document describes the Ground Water Protection Management Plan (GPMP) for the Hanford Site.	D, H	G,Z,T	Y,P	A	No	No
8901		100-F	100-F	1994 SEPT	KA BERGSTROM	GROUND PENETRATING RADAR INVESTIGATION CONDUCTED IN 100 AREAS HANFORD SITES FY 1992	<a href="http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D196061851">http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D196061851</a>	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
BHI-00056		100-F	100-FR-3	1994 SEPT	ID JACQUES	100-FR-3 SOIL GAS SURVEY DESCRIPTION OF WORK	<a href="http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D196055368">http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D196055368</a>	This document describes the activities and procedures used to conduct a soil gas survey to assess the lateral distribution of trichloroethene (TCE) associated with the groundwater of the 100-FR-3 OU.	D, H	T	Y		No	No

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Document #	REV./Draft/Vol.	Area	Operable Unit	Date	Authors/ Originator	Title	Link	Summary	Background Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
DOE/RL-2008-01	REV. 0	100-F	100-FR-3	N/A	M.J. Hartman	100-FR-3 Operable Unit	<a href="http://www.hanford.gov/c.cfm/sgrp/GWRep07/html/gw07_207.pdf">http://www.hanford.gov/c.cfm/sgrp/GWRep07/html/gw07_207.pdf</a>	This document section (7 pgs.) describes distribution and trends of the COCs for the 100-FR-3 OU.	D, H	Z, T	Y	A	Yes	No
DOE/RL-2010-11	REV. 1 VOL. 2	100-F	100-FR-3	N/A	M.J. Hartman	Hanford Site Groundwater Monitoring and Performance Report: 2009	<a href="http://www.hanford.gov/c.cfm/sgrp/GWRep09/html/gw09_17_0.pdf">http://www.hanford.gov/c.cfm/sgrp/GWRep09/html/gw09_17_0.pdf</a>	This document section (18 pgs.) 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
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	<a href="http://www.osti.gov/bridge/purl.cover.jsp?url=/269010-na4T9z/webviewable/">http://www.osti.gov/bridge/purl.cover.jsp?url=/269010-na4T9z/webviewable/</a>	This report summarizes the activities and results of the groundwater/soil gas supplemental LFI for the 100-FR-3 OU. It assess the lateral distribution of TCE in shallow groundwater, assesses soil gas, and refines the site conceptual model.	D, H	Z, T	Y, P	A, M	No	No
DOE/RL-2004-31		100-F	100-FR-3	2005 MAR	DOE-RL	Waste Control Plan for the 100-FR-3 Operable Unit	<a href="http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0012/DA273072/DA273072_39918_15.pdf">http://www5.hanford.gov/pdw/fsd/AR/FSD0001/FSD0012/DA273072/DA273072_39918_15.pdf</a>	This document applies to the management of investigation-derived waste generated from groundwater well sampling, aquifer sampling tubes and seep sampling, aquifer testing, groundwater well or aquifer tube installation and development, well maintenance, decommissioning and alteration, water level measurements, screening analysis liquids, and equipment decontamination for the 100-FR-3 OU.	D	T	Y, P		No	No

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Document #	REV./Draft/Vol.	Area	Operable Unit	Date	Authors/ Originator	Title	Link	Summary	Background Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
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	<a href="http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D8342043">http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D8342043</a>	This document describes the reassignment of WMUs from the 300-FF-2 OU to the 100-IU-6 OU.	D	T			No	No
N/A		100-F	100-IU-2, 100-FR-2, 100-FR-1	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	<a href="http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D199153689">http://www5.hanford.gov/arpir/?content=findpage&amp;AKey=D199153689</a>	This document presents the selected interim remedial actions for portions of the 100 Area, 100 Area reactor waste, and portions of the 200 Area.	D, H	Z, T	Y, S	A, M	Yes	Yes
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	<a href="http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D197189333">http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D197189333</a>	This document 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 OU.	D	T			No	No
DOE/RL-95-108		100-F	100-IU-2, 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	<a href="http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D197142718">http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D197142718</a>	This document summarizes waste site information relating to the 100-IU-2 and 100-IU-6 OU for planning the cleanup decisions.	D, H	T	Y, S	A	Yes	No

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Document #	REV./Draft/Vol.	Area	Operable Unit	Date	Authors/ Originator	Title	Link	Summary	Background Site	Physical Setting	Contaminant Description	Analysis and Modeling	Risk Assessment	Alternatives Development
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	<a href="http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D196048918">http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D196048918</a>	This one-page document determines that 200-IU-4 OU is transferred to the new 100-IU-6 OU.	D				No	No
N/A	Draft B	100-F	100-F	1993 NOV	DOE-RL	100 AREA FEASIBILITY STUDY PHASE I AND II PAGE CHANGES TO DRAFT B	<a href="http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D196093855">http://www5.hanford.gov/arpir/?content=detail&amp;AKey=D196093855</a>	This feasibility study develops a baseline of remedial alternatives that can be used in focused feasibility studies for individual sites or OUs.	D, H, P	G, Z, E, T	y, S	A	Yes	Yes

Notes: The acronyms/terms used in this table are defined in the list of Terms in the front matter of this appendix.  
The codes identified in this table are defined as follows:  
A = analysis  
C = climate  
D = description  
E = ecology  
G = geology  
H = history  
M = modeling P = processes  
S = source  
T = topography  
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