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Meeting Minutes Transmittal/Approval
Unit Managers' Meeting: Remedial Action and Waste Disposal Unit/Source Operable Unit
3350 George Washington Way, Room 1B40, Richland, Washington
November 19-20, 1997

FROM/APPROVAL: Nancy Werdel/Glenn Goldberg Date 12/16/97
Nancy Werdel/Glenn Goldberg, 100 Area Unit Managers, RL (H0-12)

APPROVAL: Wayne Soper Date 1-27-98
Wayne Soper/Keith Holliday, 100 Aggregate Area Unit Manager, Ecology (B5-18)

APPROVAL: Dennis Faulk Date 12-16-97
Dennis Faulk, 100 Aggregate Area Unit Manager, EPA (B5-01)

APPROVAL: Bryan Foley Date 1/27/98
Bryan Foley, 200 Area Unit Manager, RL (H0-12)

APPROVAL: Shri Mohan Date 1/27/98
Shri Mohan, 200 Area Project Manager, Ecology (B5-01) & NRDWL UNIT MGR

APPROVAL: Ted Wooley Date 16 Jan 98
Ted A. Wooley, B-Plant/WESF Project Manager, Ecology (B5-18)

APPROVAL: Robert G. McLeod Date Dec 16, 1997
Robert G. McLeod, 300 Area Unit Manager, RL (H0-12)

APPROVAL: Did not attend meeting Date
Jeanne Wallace, 300 Aggregate Area Unit Manager, Ecology (B5-18)

APPROVAL: David R. Einan Date 16 Dec 97
David R. Einan, 300 Aggregate Area Unit Manager, EPA (B5-01)

APPROVAL: Ted A. Wooley Date 16 JAN 98
Ted A. Wooley, 300 Area Process Trenches Subproject Manager, Ecology (B5-18)

Meeting Minutes are attached. Minutes are comprised of the following:

Attachment #1a	-	100 Area Agenda
Attachment #1b	-	200 and 300 Areas Agenda
Attachment #2a	-	100 Area Attendance Record
Attachment #2b	-	200 and 300 Area Attendance Record
Attachment #3	-	Meeting Minutes
Attachment #4	-	Status Package
Attachment #5	-	Burial Grounds Feasibility Study Annotated Outline
Attachment #6	-	Environmental Sites Database General Summary Report
Attachment #7	-	100 Area Remaining Site Project Waste Site Categories
Attachment #8	-	300 NPL Agreement/Change Control Form
Attachment #9	-	Preliminary Package - Results from two test trenches excavated into Landfill 1B
Attachment #10	-	Fume Hood Calculation

Prepared by: _____ Date 1/28/98
Gary Gesell/Tamen Lundquist (H0-17)

Concurrence by: _____ Date 2/2/98
Vern Dronen, BHI Remedial Action and Waste Disposal Project Manager (H0-17)

Attachment 1a

UNIT MANAGERS' MEETING AGENDA
100 Area
3350 George Washington Way, Assembly Room
November 19, 1997

1:00 p.m. **100 Area**

- 100 Area RDR/RAWP Update
- Group 4 Design Update

- Northslope 2,4-D Waste Site Remediation
- Burial Ground FFS
- 100 Area Remaining Sites
- 190-D Chrome Study
- N Area RCRA/CERCLA Integration

- Disposition of PCB Waste Streams
- Reference Datum for Deep/Shallow Zone, when lateral excavation extends into native, undisturbed grade
- 116-B-11, Waste Designation by Representative Sampling
- Disposition of Waste Stream from Deep Well Abandonment at 116-C-1
- Meeting Availability for Site Closeout/Verification Packages. 116-C-1, Unlined Effluent Disposal Facility, and 107-D1/D5 as non-effluent disposal facility cases
- Sequence/Methodology/Status-Schedule for Pb (lead) macroencapsulation.

Attachment 1b

055458

UNIT MANAGERS' MEETING AGENDA
3350 George Washington Way, Room 1B45
November 20, 1997

1:00 p.m. 200 Area

- 216-B-2-2 Ditch Borehole Status

1:30 p.m. 300 Area

300-FF-1

- Process Trenches
- 300-10, -44, -45, and Ash Pits Verification Packages
- Landfill 1D
- Burial Ground 618-4
- Landfill 1B

300-FF-2

- Elimination of TPH Analyses at Well 699-S6-E4A
- Listed Waste Letter Report
- Status of Groundwater Sample Disposal

Attachment 2a

Remedial Action and Waste Disposal Unit Managers' Meeting
Official Attendance Record, 100 Area
November 19, 1997

055458

Please print clearly and use black ink.

Printed Name	Organization	O.U. Role	Telephone
Gary Gesell	BHI	RAWD Editor	372-9067
Glenn Goldberg	DOE	Proj. Manager	376-9552
David Olson	DOE	Proj. Mgr 100-NR	
Keith Holliday	Ecology	Proj. Manager 100-D	736-3036
Wayne Soper	Ecology	100-H	736-3049
Dennis Faulk	EPA	RPM	376-8631
Clarence Cortiveau	BHI	100 Area Assessment	372-9565
AL Langstaff	BHI	RA	373-5876
FM Corpuz	BHI	100 Area RA Engr.	373-1661
J R James	BHI	Task Lead	372-9563
NA Werdel	DOE	Proj. Manager	376-5500

Attachment 2b

Remedial Action and Waste Disposal Unit Managers' Meeting
Official Attendance Record, 200 and 300 Area
November 20, 1997

Please print clearly and use black ink.

Printed Name	Organization	O.U. Role	Telephone
Gary Gesell	BHI	RAWD Editor	372-9067
Bryan Foley	DOE	UM-200 Area	376-7087
Mark Buckmaster	BHI	Tech lead	372-9272
Ted Wolf	Ecology	[redacted]	
		B AREA Lead	736-3012
Bob McLeod	ODE	300-UM	372-0096
Dave Einan	EPA	300 Area PM	376-3883
Richard Carlson	BHI	Task Lead 300 area	373-3098
Larry Hulstrom	CHI	Technical Support	372-9319
CHARLIE JOHNSON	BHI	300 AREA TASK LEAD	372-6372

Unit Managers' Meeting Minutes
November 19-20, 1997

100 AREA

100 Area Remedial Design Report/Remedial Action Work Plan (RDR/RAWP) Update

Rev. 1, Draft B of the RDR/RAWP contains all 37 original Record of Decision (ROD) sites from design Group 1 and Group 2. Once finalized, the document will be issued as Rev. 1. The U.S. Environmental Protection Agency (EPA) requested that the Sampling and Analysis Plan (SAP) be issued in parallel with Rev. 1 of the RDR/RAWP. The SAP also contains Group 1 sites and Group 2 sites. However, there is a disconnect between the Group 3 Amendment sites in the SAP and the sites in the RDR/RAWP; the sites are not one to one. Eventually, the SAP and RDR/RAWP will be amended to include the ROD Amendment sites, at which time they will be consistent.

The EPA and the Washington State Department of Ecology (Ecology) were concerned about the deed restriction language (regarding property rights, etc.) and the sampling hierarchy. The U.S. Department of Energy, Richland Operations Office (RL) believes that the sampling hierarchy will drive them to dig boreholes at each site and, therefore, wants it removed from the RDR until it can be further evaluated. Real data are needed for the verification model. Bechtel Hanford, Inc. (BHI) cannot make a closeout case until the data are presented to the EPA and Ecology.

BHI is currently working to Rev. 1, Draft B and could be audited for not working to Rev. 0, which was conceptually approved by the regulators. The EPA and Ecology requested that RL not send the Rev. 1 RDR/RAWP until the deed restrictions and sampling hierarchy issues are resolved.

Group 4 Design Update

Functional review of the 90% design package was completed. All comments were resolved, and the recommended revisions are being made to the final design. The project, which addresses liquid waste sites in the 100-H, 100-F, and 100-K Areas, is expected to be completed on schedule in mid-December 1997.

The 116-F-5 site document will be issued within a week. Contaminants at this site were below action levels.

Northslope 2,4-D Waste Site Remediation

Three containers of soil and debris are being held at the site pending evaluation of more cost-effective treatment/disposal alternatives. A commercial contractor will be used; the same materials will also be used. Site closure will be issued to RL next week. Per EPA and Ecology,

a partial deletion may happen at 2,4-D in January 1998. The EPA and Ecology requested a Closeout Report for both the IU-1 and IU-3 for disposition.

Burial Ground Focused Feasibility Study

BHI is proceeding to the current outline (Attachment 5). A status report will be provided at the December 1997 Unit Managers' Meeting (UMM).

100 Area Remaining Sites

The draft *Administrative Record* document will be issued to EPA and Ecology next week. Five waste sites were remediated in 2 days in the IU-2 and IU-6 Operable Units. A walkdown of the 128-B-1 Burn Pit was approved by the EPA and Ecology (Attachment 6). A handout was also provided on the 100 Area Remaining Site Project (Attachment 7).

190-D Chrome Site

The bunker oil storage area still requires data. BHI and EPA/Ecology agreed to discuss the issue after the UMM.

The Phase II, regarding the laser-induced breakdown spectroscopy (LIBS), experienced deployment problems with the laser (dust in the hole). Once the issue is resolved, LIBS will be deployed at the 300 Area and the D Area. The EPA would like BHI to be involved during D&D sampling.

N Area RCRA/CERCLA Integration

With the *100 Area Remaining Sites Proposed Plan* in an early stage of development, RL wanted to discuss the issue of appropriate RCRA/CERCLA language for this document. Significant comments were raised by EPA concerning RCRA/CERCLA integration language in the 100-N Area proposed plans. Originally the N proposed plans used the language pertaining to RCRA/CERCLA integration that was developed for 100-DR-2 and 300-FF-1. Agreed-upon language now in the N proposed plans is significantly more extensive than anything previously issued. The EPA stated that this issue would need to be discussed internally to determine what level of RCRA/CERCLA language would be required for the remaining sites proposed plan.

Disposition of Polychlorinated Biphenyls (PCB) Waste Streams

Remediation excavation of PCB contaminated soil and small wood particle debris continues at the 107-D1 sludge pit site. These solid form materials have been, and will continue to be taken to ERDF for disposal, as allowed by the Environmental Restoration Disposal Facility (ERDF) Waste Acceptance Criteria (WAC).

A small, liquid waste stream from related field-screening sampling events is being stored on an interim basis at the 100-D Area. Determination of final disposition of the small, liquid waste stream is pending completion of the field-screening sampling events.

Reference Datum for Deep/Shallow Zone

In areas where contamination extends laterally beyond the engineered structure, and into adjacent, native, undisturbed materials:

- For the case where the elevation of the adjacent grade is higher than the established reference datum for the engineered structure area, the reference datum shall be taken as the adjacent grade.

- For the case where the elevation of the adjacent grade is lower than the established reference datum for the engineered structure area, BHI will evaluate from a regulatory perspective. BHI, RL, EPA and Ecology will meet to discuss and resolve the issue.

116-B-11 - Waste Designation by Representative Sampling

At the analogous 116-D-7 site, extensive representative sampling for waste designation of the debris waste stream revealed a leachable lead concentration of less than 5 ppm, which is compliant with the land disposal restrictions at ERDF. Based on an analogous approach, the 116-B-11 material is being excavated and transported to ERDF. A calculation brief was prepared, and the waste profile was revised for the 116-B-11 site to reflect the analogous approach, and some additional lead materials shown on the as-built drawings. The calculation brief indicates a leachable lead concentration of less than 5 ppm. An informational copy of the calculation brief and waste profile will be forwarded to RL; RL will forward the information to EPA next week.

Disposition of Waste Stream from Deep Well Abandonment at 116-C-1

It was agreed that the 199-B3-2 well abandonment waste stream will be disposed at ERDF, as part of the 116-C-1 waste stream and profile, provided that all other requirements of the ERDF WAC are met (moisture, etc.).

Meeting Availability for Site Closeout/Verification Packages

The following meeting dates and times were established: December 9 (a.m.); December 10 (p.m.); December 15 (p.m.); and December 16 (all day).

Sequence/Methodology/Status Schedule for Pb (lead) Macroencapsulation

Macroencapsulation of the stored, lead waste streams at 100 B/C and DR is tentatively scheduled for the spring 1998. A calculation brief was prepared outlining the sequence, methodology, and details. An informational copy of the calculation brief will be forwarded to RL; RL will forward a copy to EPA and Ecology next week.

200 AREA

216-B-2-2 Ditch Borehole Status

The issue of terminating the proposed borehole at 190 feet was discussed. The geological formation at this depth may change from a gravelly sand to a muddy sand and/or gravel. This may result in changing drilling methodology from core barrel to hard tool. Hard tooling requires additional raw water to remove the drill cuttings. The methodology is very slow, creates slurry waste, and may compromise data quality. Only one sample would be collected within this interval at the top of the aquifer.

Ecology agreed with RL's process and methodology; however, Ecology needs to discuss the issue with other staff personnel.

Ecology requested an estimate of cost savings. RL indicated it was approximately $15,000, but would verify and provide a better estimate.

RL and Ecology agreed to discuss this issue during the next 2 weeks and finalize before drilling.

300 AREA

300-FF-1

Process Trenches

Remediation

Excavation of contaminated soils was completed and verification samples were taken from the spoils area. The samples were shipped to the offsite lab for analysis. Upon receipt of the analytical data, data validation will be initiated and completed within 15 days. The Verification Package will be prepared in parallel with the data validation process. The 60 days to complete certification of closure will begin, as previously agreed, when Ecology has reviewed the verification package and concurs that the cleanup standards have been met.

Class I Permit

Ecology was concerned about implementing the 300 Area Process Trenches (APT) Class 1 Permit changes regarding permit conditions VI.1.B.b and VI.1.B.p. The Class 1 permit changes were drafted to clarify the current permit language that does not specify which CERCLA Operations and Maintenance (O&M) Plan that Ecology would approve. Ecology agreed earlier not to approve the 300-FF-5 Groundwater O&M Plan and currently there is no known expectation or planning in place to prepare a 300-FF-1 O&M Plan. Ecology stated the intent of the permit language was to provide an instrument to enforce inspections and maintenance of the 300 APT groundwater monitoring wells, fences, etc. BHI indicated that the 300 APT Postclosure plan provides the authority Ecology needs to enforce postclosure care inspection and maintenance. RL, Ecology, and EPA agreed to meet further on the subject and discuss what the site will look like (the expectations) when the cleanup work is completed (i.e., removal of fencing); a meeting was scheduled for December 4, 1997.

Contained-in Letter

A letter requesting a Contained-In determination for the 300 APT concrete headworks (weir) structure was issued by RL on November 20 and handed out at the meeting. Ecology and EPA indicated a response to the letter should not take too long.

Headworks Piping and Railing

Analytical results on the headworks handrail paint indicated that the paint contains approximately 20% lead. The Toxic Characteristic Leaching Procedure (TCLP) on the lead paint was 7.5 mg/l, which is slightly over the land-disposal restrictions (LDR) limit of 5 mg/L. A calculation estimating the TCLP for a representative sample of the piping and paint coating was prepared, which was far below the 5 mg/L lead limit. Ecology requested to see the logistics of the general approach and calculation. A summary of the calculation will be prepared and provided to Ecology for review.

Sediment Drums

Six drums of sediments were collected from the headworks structure. It was asked whether the drummed sediments could be considered part of the original spoils pile contained-in, the concrete weir structure contained-in, or whether a separated contained-in would be required. No conclusions were reached on the subject.

300-10, -44, -45 and Ash Pits Verification Packages

Drafts of the verification packages for 300-10, 300-44, and 300-45 were completed. The Ash Pit verification package was submitted to technical editing and will be forwarded from BHI to RL. It was agreed that the project will use the NPL agreement form to obtain the Tri-Parties concurrence on acceptance that the verification package is complete and the waste site can be backfilled. The NPL Agreement form, regarding the number of samples to take in the 300-44 overburden pile, was reviewed and signed by all parties (Attachment 8).

Landfill 1D

During removal of overburden, six drums, several containing sulfuric acid, were unearthed in one small area of Landfill 1D. The liquid was pumped from the old drums into small containers. The containers are staged in the AOC for treatment. One drum on the opposite side of the landfill contained about 20 gallons of what appears to be a type of oil with trichloroethylene; the container is also being tested for PCBs. These materials were not expected to be found in the Landfill and, as a result, the project has paused temporarily to upgrade to level B personal protective equipment. Work is expected to be reinitiated the first week of December.

Burial Ground 618-4

Topsoil removal was completed, and overburden removal is well underway. A container of yellow/green crystalline material was partially unearthed, sampled, and determined to be uranium, approximately 20,000 pCi/g concentration. A white layer was found, thought to be the same material as dug through at test pit #2 during the Phase 1 RI, which would have high concentrations of several metals. The burial ground will also be excavated in level B, which will have an impact on the project schedule. BHI is in jeopardy of missing the August 31 Tri-Party Agreement Milestone to issue the 618-4 Burial Ground construction closeout report. Excavation at the Burial ground is currently scheduled to start in January 1998. The EPA requested a copy of a detailed schedule.

Landfill 1B

A preliminary package on the results from two test trenches excavated into Landfill 1B, coupled with geophysical data, was provided and summarized (Attachment 9). The data was provided to help decision making regarding excavation of Landfill 1B. The data suggests minimal contamination in the landfill. It was requested that the Tri-Parties review the data to have further discussions in the near future.

NOTE: Attached (Attachment 10) is a calculation regarding potential to emit toxic chemicals from use of the fume hood. The potential emissions are well below standards. This set of meeting minutes serves as notification to and concurrence by the lead regulatory agency that the best available control technology applied is appropriate for this project. (This attachment was omitted from November's UMM minutes.)

300-FF-2

Elimination of TPH Analyses at Well 699-S6-E4A

All parties agreed to take one more sample and then reevaluate after the results.

Listed Waste Letter Report

The 300-FF-2 Listed Waste Issue Letter Report CCN 051592 was discussed.

Status of Groundwater Sample Disposal

A Letter of Instruction to the Waste Sampling and Characterization Facility was drafted and is in its final stages. Sample disposal is scheduled to be completed by the end of November 1997. The first fiscal year 1998 groundwater-sampling event is scheduled for January 1998.

Attachment 4

STATUS PACKAGE

UNIT MANAGERS' MEETING - NOVEMBER 1997

SOURCE OPERABLE UNITS

100-B/C, 100-K, 100-D, 100-H, 100-F

200 AREAS

300 AREA

Prepared by

DOE-RL

11/19/97

100 AREAS

2,4-D Burial Site

Three containers of contaminated soil and debris are being held at the site pending evaluation of more cost-effective treatment/disposal alternatives. Public review of the Administrative Record began in early October and will conclude in early November.

100 Area Burial Ground Focused Feasibility Study

The 100 Area Burial Ground Focused Feasibility Study was initiated in October. Work is underway to identify key issues for discussion and resolution with the U.S. Department of Energy, Richland Operations Office (RL), the U.S. Environmental Protection Agency (EPA), and the Washington State Department of Ecology (Ecology). Meetings are planned for November to discuss key issues and an annotated outline for the document.

100 Area Remaining Sites

Field visits for remaining sites in the 100-IU-6 Operable Unit were completed with the EPA and RL Project Managers. Concurrence was reached on site dispositions and the path forward for inclusion in the Remaining Sites Proposed Plan. Thirteen waste sites in the 100-IU-6 Operable Unit will be removed from active status in the Waste Information Data System (WIDS) and will be nominated for exclusion from Appendix C of the Tri-Party Agreement. A Baseline Change Proposal was prepared to provide a budget to several "housekeeping" cleanup activities requested by EPA for several waste sites in the 100-IU-2 and 100-IU-6 Operable Units. Once these cleanup activities are complete, three more sites will be nominated for removal from active status in WIDS. The above efforts supplement similar agreements to reject waste sites from WIDS that were reached for sites in the 100-B/C, 100-D, 100-H, 100-F, and 100-K Areas, and the 100-IU-2 Operable Unit.

The draft Administrative Record document is being prepared for RL and regulatory agency reviews. The Proposed Plan will begin ERC internal review in early November and is planned to be available for RL and regulatory agency reviews in late November.

100-D Area Soil Sampling

Plans are underway to complete ERC internal approvals and documentation to implement laser-induced breakdown spectroscopy (LIBS) in the 100-D Area. Deployment of LIBS in the 100-D Area, originally scheduled for November 10, 1997, has been delayed at the subcontractor's request until the first or second week of December 1997. The delay is due to technical difficulties that the subcontractor is experiencing with instrumentation.

100-D Ponds Closure Plan Revision

RL provided a written response to Ecology comments on the equivalency demonstration. The response indicates that Ecology's request for deep vadose zone soil samples is not yet resolved and that the issue requires further discussion. Revisions to the closure plan are complete, and the document is being prepared for transmittal to Ecology.

Group 3 Sites

A procurement strategy was developed, and a bid package for the Group 3 sites is being prepared. The bid package will also include the remediation of the remaining 100-B/C effluent pipelines.

Group 4 Sites

The 90% design package review was completed. An Air Monitoring Plan (which includes Group 3 sites) was prepared for presentation to the Washington State Department of Health and the regulators.

Remedial Design Report/Remedial Action Work Plan

Rev. 1, Draft B (Group 1 and 2 sites) was issued to RL and the regulators. Issues are being resolved related to the use of deed restrictions and sampling hierarchy before issuing Rev. 1. Rev. 2, Draft A is being prepared, which will incorporate the Group 3 sites.

100-B/C Remedial Action

The eighth lateral plume excavation at the 116-C-1 Liquid Waste Disposal Trench was completed. The combined lateral plumes constitute 46% of the original volume at 116-C-1. The sodium iodide instrumentation (manrads survey) results and preliminary soil sampling indicate the entire 116-C-1 waste site has reached cleanup requirements in the shallow zone.

The 116-C-5 Retention Basins excavation is approximately 92% complete. The clean overburden soils were removed from the 116-B-1 Liquid Waste Disposal Trench excavation and stockpiled for potential, future backfill materials. Preparation for excavation work was initiated at the 116-B-11 Retention Basin waste site. Current activities include sizing/capping large-diameter pipelines and then moving/storing capped pipes inside the 116-B-1 excavation for disposal at the Environmental Restoration Disposal Facility (ERDF).

The 116-B-11 site is a concrete-lined effluent basin, similar to the 116-D-7 site and structure at 100 DR, based upon review of as-built drawings. Field sampling and laboratory testing for the 116-D-7 Basin revealed individual debris elements integral to the structure, with leachable lead

(Pb) concentrations in excess of the ERDF WAC limit of 5 ppm. As concurred by EPA and Ecology during meetings in June 1997, waste designation by representative sampling of the waste stream is allowed. Extensive representative sampling of the entire debris waste stream at 116-D-7 revealed a leachable lead concentration of less than 5 ppm, which is compliant with the land disposal restrictions. Ecology concurred with the details of the approach, sampling methodology, and results. These materials from 116-D-7 are currently being excavated and transported to ERDF. An analogous approach is being proposed for 116-B-11 using the 116-D-7 sampling and testing results. This issue was discussed informally with the EPA, with no exceptions. A copy of a position paper and the revised 116-B-11 Waste Profile, documenting the above, will be forwarded to RL for transmittal to the EPA.

Plans are being finalized for macroencapsulation of contaminated lead/rubber with lead materials from the present 100 Area remedial action sites. A copy of relevant excerpts of the calculation brief, documenting methodology and other relevant details, will be forwarded to RL for transmittal to the EPA and Ecology.

Decommissioning of well 199-B3-2 is in progress inside the 116-C-1 excavation area.

Prompted by responses to regulator comments on the generic vadose zone model presented in the Remedial Design Report/Remedial Action Work Plan (RDR/RAWP) and followup meetings, evaluation of existing vadose zone contamination information is essentially completed with final draft analyses presented to RL. A meeting needs to be scheduled with the EPA and Ecology so they can present these results, conclusions, and path forward. A concurrent and related presentation on 116-DR-1/2 is being planned (Ecology lead), in addition to closeout strategy for nonliquid effluent disposal sludge pits and pipelines. The target date for meeting times is the first week of December.

100-DR Remedial Action

No activities are currently taking place at 116-DR-1 and 116-DR-2; work remains, as excavation of additional plumes to the north and northeast have been halted due to possible undermining of support facilities and haul roads, and deferred to a later date.

Excavation of soil burden, breaking of concrete slabs and walls, and excavation and loading of debris and soil continues at 116-D-7 and 116-DR-9 concrete-lined retention basins.

A detailed pipeline excavation plan and cost proposal is being developed/evaluated, along with an asbestos abatement program for the asbestos-containing material (ACM) surrounding large, diameter steel piping.

Final field verification testing for the 107-D1 and 107-D5 (relatively small and shallow) sludge pits were recently completed, with results indicating polychlorinated biphenyls (PCB) at the base of the excavation in excess of *Model Toxics Control Act* standards. Per a meeting with RL and Ecology, it was concurred to proceed with field screening to evaluate the extent and guide excavation for remediation. It was also agreed that subsequent laboratory testing for

supplemental, final verification would include evaluation only for PCBs. Field screening indicates that levels are below ERDF waste acceptance limits for solid materials. A relatively small liquid-based volume of field screening test byproduct may require disposition other than ERDF. Options are being evaluated for this waste stream.

In parallel with 100-B/C activities and prompted by responses to regulator comments on the generic vadose zone model presented in the RDR/RAWP, a site-specific model of the vertical contamination distribution in the vadose zone (with contamination to groundwater) was developed for 116-DR-1/2. Analytical model runs are being performed to assess attainment of remedial action goals to protect groundwater and the Columbia River. Conclusions of the analysis will be presented to the EPA and Ecology concurrent with presentation of the results for 116-C-1, in addition to closeout strategy for nonliquid effluent disposal sludge pits (107-D1 and 107-D5) and pipelines. The target date for meeting times is the first week of December.

200 AREAS

200 Areas Strategy

The draft Tentative Agreement was signed by the key signatories. The start of the public comment period on the Tri-Party Agreement change package for the 200 Areas will be November 17, 1997, and a signed Tri-Party Agreement change package is planned to be in place by January 30, 1998.

200-BP-1 Operable Unit

The barrier-testing program continues to provide data on water infiltration, vegetation growth, and biointrusion associated with the Hanford Site barrier. Testing will continue at a reduced level in FY 1997. The Pacific Northwest National Laboratory is finalizing a draft report documenting the FY 1997 results. A meeting was scheduled for the Tri-Parties to discuss the future scope for this effort.

200-BP-11 Operable Unit

BHI is completing prefield planning activities (i.e., hazards analysis, Health and Safety Plan, etc.) for drilling to commence on December 1, 1997. The trenching operation was successful at locating the bottom of the ditch; mobilization was initiated.

Nonradioactive Dangerous Waste Landfill (NRDWL)

Ecology comments on the soil-gas results report for NRDWL were received. RL is preparing comment responses.

300 AREA

300-FF-1 Operable Unit

The final excavation of the Process Trenches Spoils Area was completed. Verification sampling of these areas is being scheduled. Demolition and disposal of the Process Trenches bird screens was completed. Demolition of the Process Trench's headwork's structure was completed. The headwork's aprons were removed, and verification samples were taken in the underlying soils. The soil data results were all below the 300-FF-1 ROD cleanup standards. The headwork's structure disposal was placed on hold to facilitate preparation of a contained-in determination for the concrete debris. The previous contained-in for the Process Trenches only addressed the spoils pile.

The 618-4 Burial Ground and Landfills readiness assessment was completed. At the 618-4 Burial Ground, topsoil removal was completed, and overburden removal is currently underway. Landfill 1D is being excavated in parallel with Burial Ground 618-4. Overburden removal is currently underway at Landfill 1D. Six drums, several containing residual quantities of liquid, were unearthed in one small area of Landfill 1D. Field-screening analysis identified the liquid as sulfuric acid. The liquid was pumped from the old drums into small containers. The containers are staged within the AOC. A small amount of discolored soil was placed in a drum and staged within the AOC. The liquid and soil will require treatment before disposal at ERDF.

Verification samples for waste site 300-44 were received from the laboratory. A verification package is being prepared.

300-FF-2 Operable Unit

Discussions with ERC Sample and Data Management staff were initiated regarding fiscal year (FY) 1997 groundwater sample disposal. A Letter of Instruction to the Waste Sampling and Characterization Facility (WSCF) was drafted. Sample disposal is scheduled to be completed by the end of November 1997. The first FY 1998 groundwater-sampling event is scheduled for January 1998.

Verification samples for waste sites 300-10 and 300-45 that were remediated as part of 300-FF-1 remedial actions were received from the laboratory. Verification packages are being prepared.

Work continued on the issue of listed waste disposal practices in the 300 Area. As of the end of October, a letter report was undergoing management review and final editing.

BURIAL GROUNDS FEASIBILITY STUDY
ANNOTATED OUTLINE

Attachment 5

November 7, 1997

EXECUTIVE SUMMARY

- keep text to a minimum (~ 1% of total document length)
- use figures/tables to extent possible

1.0 INTRODUCTION

- definition and general description of burial grounds (to differentiate from liquid waste sites and remaining sites)
  - from burial ground task team:
    "Areas used for near-surface disposal of solid wastes containing hazardous constituents (radioactive and/or non-radioactive)."
  - definitions from other programs:
    (1) Solid waste disposal sites.
    (2) A disposal site for radioactive waste materials that uses earth or water as a shield.
    (3) Land area specifically designated to receive contaminated waste packages and equipment, usually in trenches covered with overburden.
    (4) Land area specifically set aside to receive packaged radioactive solid wastes for storage or disposal.

1.1 PURPOSE AND SCOPE

- address only source, not groundwater (which is addressed separately)
- explain why these burial grounds are being treated as a group (heterogeneous, large, high cost, different from liquid waste sites, contamination generally immobile)
- how the burial grounds relate to other 100-Area work
- list of all burial grounds considered in this document

1.2 100 AREA INFORMATION, TRI-PARTY AGREEMENT, HPPS

- develop from existing documents

2.0 DESCRIPTION OF 100 AREA BURIAL GROUNDS

2.1 PRIOR STUDIES SUPPORTING THIS FS

2.1.1 Background Studies
2.1.2 100 Area Site Investigations/Aggregate Area Studies
2.1.3 100 Area FSs and FFSs

2.2 PHYSICAL SETTING

2.2.1 Geology
2.2.2 Surface Water
2.2.3 Groundwater
2.2.4 Meteorology
2.2.5 Ecology
2.2.6 Cultural Resources
2.2.7 Other Resources

2.3 BURIAL GROUND CATEGORIES

- Follow the 200 Area Engineered Barrier FFS
- Regulatory Basis for Categorization
  - Category 1 LLW
  - Category 3 LLW
  - GTCC (Greater than [NRC] Category C)
  - RCRA Subtitle C

2.4 BURIAL GROUND CHARACTERIZATION

- from compiled information; WIDS; Technical Baseline Reports; BHI-00768; Dorian & Richards, 1978; Miller & Wahlen, 1987, 118-B-1 Burial Ground Excavation Treatability Test Report
- Miller and Wahlen based estimates of the types and amount of waste in the 100 Area burial grounds on review of historical documents, on reconstruction of operating practices, and on the experiences of knowledgeable individuals involved in the disposal of wastes generated during the years of reactor operations.
- utilize tables in this section to describe the burial ground dimensions and waste characteristics

2.4.1 Physical Characteristics

- 118-B-1 indicated a large amount of native material mixed with waste
- primarily miscellaneous debris (e.g., paper, spacers, tools)
- only residual liquids expected (minimal fluids in spent containers)

2.4.2 Chemical Waste Characteristics

- Indications are that the majority of the chemical wastes are metals such as lead-cadmium, boron, and lead. Miscellaneous debris consisting of aluminum and steel pipes, cadmium sheets, and carbon materials are also thought to be contained in the burial grounds. Mercury was used in manometers and other instruments in the 100 Areas and would be expected to have been deposited in the burial grounds (or drained to cribs or trenches) when instruments were broken or otherwise discarded. Smaller amounts of additional waste from special programs were composed of lithium-aluminum alloy, mercury, lead, aluminum, palladium, stainless steel, boron steel, and zirconium; sawdust and animal waste from the EAF are present in at least three burial grounds. No organic liquids were found in burial ground 118-B-1 except residual oil contained in receiver tanks.

2.4.3 Radiological Waste Characteristics

- The major radioactive wastes in the burial grounds are stated by Miller and Wahlen to be 375 tons of aluminum spacers, 1,103 tons of lead-cadmium pieces, 71 tons of boron splines, 266 tons of aluminum process tubes, 259 tons of lead, and more than 165 tons of miscellaneous waste. Radionuclide inventories were calculated from the volume of each type of waste. The major contributors to the inventory are tritium (hydrogen-3), carbon-14, cobalt-60, nickel-63, strontium-90, cesium-137, and europium-152 and -154.

2.4.4 Soft Wastes

- indications from 116-B-1 are that these may be subordinate, although Miller and Wahlen assumed they constitute over 75% of the solid waste
- potential for subsidence if containment options are applied

2.4.5 Large Structural Wastes

- there are no records of large structural wastes deposited in the burial grounds, with the exception of two tank cars used to burn animal carcasses in 118-F-6

2.5 TYPES OF BURIAL GROUNDS

2.5.1 Radiological Burial Grounds

2.5.2 Inorganic Burial Grounds

2.5.3 Mixed Waste Burial Grounds

2.6 NATURE AND EXTENT OF CONTAMINATION

2.6.1 Identification of COPCs

2.6.1.1 Based on Soil Data

2.6.1.2 Based on Process Knowledge

2.6.1.3 Based on Prior Reports

- 118-B-1 data

2.6.2 Uncertainties Regarding Burial Ground Content/contamination

- use data from 618-4, 118-B-1, process knowledge

3.0 REMEDIAL ACTION OBJECTIVES AND PRELIMINARY REMEDIATION GOALS

3.1 REMEDIAL ACTION OBJECTIVES

- prevent direct contact/ingestion/inhalation with soil and solid wastes having concentrations greater than remediation goals
- prevent migration of contaminants that would impact groundwater in excess of remediation goals

3.2 PRELIMINARY REMEDIATION GOALS

- risked-based, from MTCA, RESRAD and other models
- use existing data from QRA documents, and use QRA approach
- potential for migration could be tested by collecting data in the vadose zone beneath the burial grounds

3.2.1 Remediation Goals for Radionuclides

- use current RDR

3.2.2 Remediation Goals for Nonradionuclides

- use MTCA

3.2.3 Remediation Goals Protective of Groundwater and Surface Water

- need COPCs, discuss fate, effects, and mobility of COPCs

4.0 IDENTIFICATION AND SCREENING OF REMEDIAL TECHNOLOGIES

4.1 INSTITUTIONAL CONTROLS

4.1.1 Access Restrictions

- fences and other barriers

4.1.2 Warning Markers

4.1.3 Land Use Restrictions

- parking lots, golf courses, open space, native seed nurseries, deed restrictions

4.1.4 Monitoring

- surface soil (erosion/subsidence), groundwater, barriers; frequency and comprehensiveness

4.2 EXCAVATION AND DISPOSAL TO ERDF

4.2.1 Sorting and Waste Characterization

4.2.2 Reclamation

- use existing plans for restoration/revegetation

4.3 CONSOLIDATION OF BURIAL GROUNDS WITH IN SITU CONTAINMENT

- larger, fewer barriers needed
- may require a CAMU to if wastes will be moved to consolidate
- continuous containment barriers over more than one waste site

4.4 IN SITU CONTAINMENT

4.4.1 Surface Water Management

- run-on/run-off

4.4.2 Surface Barriers

4.4.2.1 Burial Ground Characterization

- needed in order to decide on appropriate barrier type

4.4.2.2 Types of Engineered Barriers

- Hanford barrier, for > Class C LLW/Mixed LLW
- Modified RCRA Subtitle C, for Category 3 LLW/mixed LLW and Category 1 mixed LLW
- Standard RCRA Subtitle C, for dangerous waste
- Modified RCRA Subtitle D, for Category 1 LLW and nondangerous/nonrad waste
- "simple" barrier for sanitary waste burial grounds?

4.4.3 Vertical Barriers

- grout, sheet pile, etc.

4.4.4 Horizontal Subsurface Barriers

4.5 EX SITU TREATMENT

4.5.1 Fixation (Chemical Stabilization)

4.5.2 Vitrification

4.5.3 Encapsulation

4.6 IN SITU TREATMENT

4.6.1 In Situ Fixation

4.6.2 In Situ Vitrification

4.7 SUMMARY OF TECHNOLOGY SCREENING

- description of screening methodology and table of screening results

5.0 REMEDIAL ALTERNATIVES FOR SOIL CONTAMINATION

- screen the technologies to eliminate obviously untenable alternatives and focus on application of likely technologies at the burial grounds

5.1 No-Action Alternative

- do nothing to the site to alter its current condition
- confirmation sampling may be needed

5.2 Institutional and Administrative Controls Alternative

- place physical or legal controls on the site to control access or use
- confirmation sampling may be needed

5.3 Remove/Treat/Dispose Alternative(s)

- excavate material and dispose of in ERDF
- excavate material and dispose of in another disposal facility
- may include ex situ treatment prior to disposal
- includes waste characterization to support disposal decisions

5.4 Containment Alternative

- situ containment (surface and subsurface barriers)
- would include institutional controls
- may include an in situ solidification alternative
- confirmation sampling may be needed

6.0 DETAILED ANALYSIS

6.1 DESCRIPTION OF EVALUATION CRITERIA

- focus on appropriate comparisons, including life-cycle costs
- summarily eliminate obvious RTD sites?

6.1.1 CERCLA Evaluation Criteria

6.1.2 Integration of the National Environmental Policy Act of 1969

6.2 DETAILED ANALYSIS OF ALTERNATIVES FOR BURIAL GROUNDS

6.2.1 Detailed Analysis Procedure

6.2.2 Detailed Analysis of Alternatives

6.2.2.1 No Action Alternative

- includes confirmation sampling, define level of uncertainty
- timing for data collection (post ROD?)

6.2.2.2 Institutional Control Alternative

- groundwater sampling plan
- recognize inherent problems with deed restrictions (maintenance of records and notification to future users)

6.2.2.3 Remove/Treat/Dispose Alternative(s)

- sampling for waste designation and closeout
- consider partial removal and criteria needed for design
- may require ex situ treatment prior to disposal

6.2.2.4 Surface Barrier Alternative(s)

- sampling required to determine type of cap?
- details of post closure requirements
- may require ex situ treatment prior to disposal

6.2.3 Cost Estimates for Burial Ground Alternatives

- based on waste site dimensions, degree of worker protection, confirmation sampling, all activities associated with the alternatives.

This section will thoroughly compare all costs associated with the individual alternatives, utilizing the recently revised MCACES models. For example, the RTD sites will be estimated based on design and construction cost at the burial ground (modified by lessons learned at 618-4) as well as operation, monitoring, and maintenance costs (O, M, & M) for ERDF. The capping alternative will include all costs associated with design, construction and the O, M, & M costs for the cap.

7.0 COMPARATIVE ANALYSIS OF REMEDIAL ALTERNATIVES

- use tables and graphs to facilitate comparisons
- use value engineering scoring system to objectively rate alternatives

7.1 EVALUATION CRITERIA AND KEY DISCRIMINATORS

7.1.1 Long-Term Effectiveness and Permanence
7.1.2 Reduction of Toxicity, Mobility, or Volume through Treatment
7.1.3 Short-Term Effectiveness
7.1.4 Implementability
7.1.5 Cost
7.1.6 Community Acceptance
7.1.7 State Acceptance
7.1.8 NEPA Values

7.2 COMPARISON OF REMEDIAL ALTERNATIVES FOR BURIAL GROUNDS

- for the rural-residential exposure scenario

7.2.1 Long-Term Effectiveness and Permanence
7.2.2 Reduction of Toxicity, Mobility, or Volume through Treatment
7.2.3 Short-Term Effectiveness
7.2.4 Implementability
7.2.5 Cost
7.2.6 Community Acceptance
7.2.7 State Acceptance
7.2.8 NEPA Values

8.0 REFERENCES

APPENDICES

A. APPLICABLE OR RELEVANT AND APPROPRIATE REQUIREMENTS
- location-, chemical-, and action-specific

B. DETAILED DESCRIPTION OF BURIAL GROUNDS

C. RISK ASSESSMENT METHODOLOGY

D. COST ESTIMATES
- include methodology, volume estimates

Environmental Sites Database
General Summary Report

17-Oct-97

Site Code: 128-B-1 **Site Classification:** Rejected Page 1

Site Names:	128-B-1, 100 B/C Burning Pit, 100-B Burning Pit		
Site Type:	Burn Pit	**Start Date:**	1943
Status:	Inactive	**End Date:**	1968
Operable Unit:	100-BC-1	**Coordinates:**	
Hanford Area:	100B	(E) 565944.875	
		(N) 145249.875	
		Washington State Plane	

Site Description: The site has been described as a burn pit. During a field investigation on October 17, 1995, it was noted that the area is covered with cheatgrass and appears undisturbed with no evidence of burning. An elevated area to the south is covered with rabbitbrush, boulders. and appears to be disturbed. The elevated area also shows no evidence of burning.

Location Description: The 128-B-1 burn pit is identified in PNL-6456 as a 30 meters (100 feet) by 30 meters (100 feet) pit at coordinates WCS83S E565942.7, N145244.7 (N71500 W78500). This places it in a low area southeast of 116-C-1 and west of the perimeter road.

Process Description:

Associated Structures:

Site Comment: Most documents that reference this site have used PNL-6456 (Stenner et al 1988) as a source, however, the sources used in PNL-6456 do not mention this waste site. A 1967 photograph of the the 116-C-1 trench (45222-11CN 6/16/67) shows no evidence of an adjacent burnpit, but does show evidence of burning within the trench at its eastern end. V. R. Richards, a retired Hanford Site employee, identified this area as a site believed to have been used for disposal of miscellaneous debris and soil that was excavated during construction of the 107-B and 107-C basins and overflow trenches; he did not believe that the site had been used as a routine burning area.

Evidence and background information indicate that the site is actually 128-B-3 Burn Pit. The confusion may have resulted from an initial inaccurate mapping.

On May 8, 1997, Glenn Van Sickle inspected the general area directly to the east and south of the 116-C-1 Trench looking for evidence of the 128-B-1 Burning Pit. The area directly east of the trench was recently grubbed to make room for overburden storage of 116-C-1 soils. The grubbed area is mostly level and was covered with top soil. There was no indication of a pit or any other subsurface disturbance in the grubbed area. The area directly to the south of 116-C-1 is of similar surface. According to the WIDS coordinates the center of the site should be directly to the south of the trench (approximately where the haul road to 116-C-1 is placed). There is no visible evidence of a pit in this area.

During the excavation of the 116-C-1 Trench there was some evidence of possible burning in the east end of the trench. Analytical results were slightly elevated and some minor debris and discolored soil were noted. The east end of the trench is approximately 30 meters (100 feet) from the burning pit location as defined by the WIDS coordinates. This could support the existence of the burning pit, but within the 116-C-1 Trench. The trench, a depression, would be a collection place for tumbleweeds and a logical location for a burning pit.

Based on available information and a September 9, 1997 field inspection by representatives from the Environmental Protection Agency, the Department of Energy, and the Environmental Restoration Contractor, it was concluded that the 128-B-1 Burn Pit did not exist as a separate, discrete site. It was agreed that if a burning area did exist, it was within the 116-C-1 Trench excavation boundaries, and was remediated as part of that site.

Cleanup Activities:

Release

wording added following 100B/C field visit (7/97), as requested by EPA.

Release Description:

Release Potential Description:

Environmental Monitoring Description:

Access Comments: Sign in at 116-C-1 site trailer. Hard hat, safety glasses and substantial footwear.

Access Requirements:

References:

1. R. D. Stenner, K. H. Cramer, D. A. Lamar, 10-88, Hazard Ranking System Evaluation of CERCLA Inactive Waste Sites at Hanford, PNL-6456 Vol 1,2,3.
2. 2-89, Preliminary Operable Units Designation Project, WHC-EP-0216.
3. K. A. Gano, 6-3-87, Designation Numbers for UNC Controlled Waste Sites in the 100 Areas, UNI-4433.
4. TF Johnson, 4/28/95, Suspect Waste Site Investigation Logbook, EL-1238.
5. 6/16/67, Photo 45222-11CN.
6. Glenn Van Sickle, 5/9/97, CC:Mail - Subject: 128-B-1 Burning Pit.

Field Investigations:

Type:	Start:	End:	Purpose:
Site Walkdown	10/17/95	10/17/95	Initial Review

Dimensions:

Length:	30.48	Meters	100.00	Feet
Width:	30.48	Meters	100.00	Feet
Depth / Height:		Meters		Feet
Overburden Depth:		Meters		Feet
Diameter:		Meters		Feet
Sq. Area:		sqMeters		sqFeet
Est. Volume:		cuMeters		cuFeet
Capacity:		Liters		Gallons

Site Shape:

References:

1. R. D. Stenner, K. H. Cramer, D. A. Lamar, 10-88, Hazard Ranking System Evaluation of CERCLA Inactive Waste Sites at Hanford, PNL-6456 Vol 1,2,3.

Regulatory Information:

Part A Permit Application:	No	**Interim Closure Plan:**	No
Part B Permit Application:	No	**Covered under TPA Action Plan:**	Yes
216/218 Permit:	No	**Solid Waste Management Unit:**	No
		Air/Water Permit:	No

TPA Waste Management Unit Type:

Regulatory Authority: CPP

TSD Number:

DOE Program:	EM-40	**Confirmed By Program:**	Yes
DOE Division:	RPD		

Environmental Sites Database
General Summary Report

17-Oct-97

Site Code: 600-26 **Site Classification:** Accepted

Site Names: 600-26, Hanford Townsite Burn Pile

Site Type: Dumping Area

Status: Inactive

Operable Unit: 100-IU-6

Hanford Area: 600

Start Date:

End Date:

Coordinates:

(E) 584104

(N) 139961.781

Washington State Plane

Site Description: The unit consists of a 2.4 meter (8 foot) excavation containing a construction refuse burn pile.

Location Description: The site is located west of the Hanford Townsite school, 183 meters (200 yards) west of Route 2 North and south of the access road to wells 699-54-18, 699-54-19, 699-55-2, and east of a large soil mound.

Process Description:

Associated Structures:

Site Comment: Gravel pits and the old "Tank Cleaning Site" (600-20) exist near the unit. A field reconnaissance with the Environmental Protection Agency (EPA), Department of Energy (DOE), and Environmental Restoration Contractor (ERC) personnel was held 9/30/97. No evidence of a burn pile was found at the location described for this site.

Wording added following 100-IU-6 field visit (9/97), as requested by EPA

Cleanup Activities:

Release Description:

Release Potential Description:

Environmental Monitoring Description:

Access Comments:

Access Requirements:

References:

1. Richard Roos, 12-88, Mystery Site Field Data Sheets.
2. D. B. Blumenkranz, 6-23-92, WIDS Site Addition; 600-20, 600-21, 600-22, 600-23, 600-24, 600-25, 600-26, and 600-27.
3. WIDS Site Modification: 200-IU-4 becomes 100-IU-6 (#94-276).

Regulatory Information:

Part A Permit Application:	No	**Interim Closure Plan:**	No
Part B Permit Application:	No	**Covered under TPA Action Plan:**	Yes
216/218 Permit:	No	**Solid Waste Management Unit:**	Yes
		Air/Water Permit:	No

TPA Waste Management Unit Type:	Waste disposal unit		
Regulatory Authority:	RPP		
TSD Number:			
DOE Program:	EM-40	**Confirmed By Program:**	Yes
DOE Division:	RPD		

Waste Information:

Type:	Misc. Trash and Debris
Category:	Hazardous/Dangerous
Physical State:	Solid
Amount:	
Units:	
Reported Date:	
Start Date:	
End Date:	
Waste Obscured:	
Description:	Unit wastes include construction debris and possible asbestos and barrels.
References:	1. Richard Roos, 12-88, Mystery Site Field Data Sheets.

100 Area Remaining Site Project

Waste Site Categories

for the

100-B/C, 100-D/DR, 100-F, 100-H, and 100-K Reactor Areas and the 100-IU-2 and 100-IU-6 Operable Units

November 19, 1997

100 Area Remaining Sites Groupings.

Operable Unit	ROD and ROD Amendment Sites (including Proximity Sites)	Remaining Site Groupings						
		Rejected Sites	Other Regulatory Authorities	RCRA TSD Units	Burial Grounds	Facilities for D&D	Under CERCLA Authority	Pending (Temporary Category)*
100-BC-1	17	5	6	0	3	3	16	4
100-BC-2	4	3	0	0	8	2	12	1
100-DR-1	26	5	1	1	8	2	22	2
100-DR-2	3	4	3	2	11	2	12	1
100-FR-1	12	9	0	0	0	1	35	3
100-FR-2	2	2	0	0	8	0	8	0
100-HR-1	8	5	1	1	0	1	20	1
100-HR-2	1	3	2	0	5	1	4	2
100-KR-1	4	0	0	0	0	0	0	1
100-KR-2	8	13	11	1	2	39	28	5
100-IU-2	0	37	6	0	0	0	19	0
100-IU-6	0	13	6	0	0	0	9	0
Totals	**85**	**99**	**36**	**5**	**45**	**51**	**185**	**20**
		Remaining Sites Grand Total: 441 sites						

100-BC AREA REMAINING SITES - 9/11/97

September 11, 1997
(site-bcn.xls)

Operable Unit	WIDS Site Code	Waste Site Name	WIDS Classification	Listed in TPA App. C (Rev.4)?	Administrative Record Documentation	Proposed Disposition	Comments
BC AREA SEPTEMBER 1995 ROD SITES (RL Category 1)							
100-BC-1							
100-BC-1	100-B-8	B Reactor Cooling Water Process Effluent Pipelines	Accepted	TBD	WP; LFI; QRA; FFS; ROD Strategy; FS 1&2	September 1995 IRM ROD	Group 3 Remedial Design
100-BC-1	116-B-1	Process Effluent Trench	Accepted	Y	WP; LFI; QRA; FFS; ROD Strategy; FS 1&2	September 1995 IRM ROD	Group 1 Remedial Design
100-BC-1	116-B-2	Fuel Storage Basin Trench	Accepted	Y	WP; LFI; QRA; FFS; ROD Strategy; FS 1&2	September 1995 IRM ROD	Group 3 Remedial Design
100-BC-1	116-B-3	Pluto Crib	Accepted	Y	WP; LFI; QRA; FFS; ROD Strategy; FS 1&2	September 1995 IRM ROD	Group 3 Remedial Design
100-BC-1	116-B-4	French Drain	Accepted	Y	WP; LFI; QRA; FFS; ROD Strategy; FS 1&2	September 1995 IRM ROD	ERA
100-BC-1	116-B-5	Crib	Closed	Y	WP; LFI; QRA; FFS; ROD Strategy; FS 1&2	September 1995 IRM ROD	ERA
100-BC-1	116-B-6A	Crib	Accepted	Y	WP; LFI; QRA; FFS; ROD Strategy; FS 1&2	September 1995 IRM ROD	Group 3 Remedial Design
100-BC-1	116-B-6B	Crib	Accepted	Y	WP; LFI; QRA; FFS; ROD Strategy; FS 1&2	September 1995 IRM ROD	Group 3 Remedial Design
100-BC-1	116-B-9	French Drain	Accepted	Y	WP; LFI; QRA; FFS; ROD Strategy; FS 1&2	September 1995 IRM ROD	Group 3 Remedial Design
100-BC-1	116-B-10	Dry Well/Quench Tank	Accepted	Y	WP; LFI; QRA; FFS; ROD Strategy; FS 1&2	September 1995 IRM ROD	Group 3 Remedial Design
100-BC-1	116-B-11	Retention Basin	Accepted	Y	WP; LFI; QRA; FFS; ROD Strategy; FS 1&2	September 1995 IRM ROD	Group 1 Remedial Design
100-BC-1	116-B-12	Seal Pit Crib	Accepted	Y	WP; LFI; QRA; FFS; ROD Strategy; FS 1&2	September 1995 IRM ROD	Group 3 Remedial Design
100-BC-1	116-B-13	Sludge Trench	Accepted	Y	WP; LFI; QRA; FFS; ROD Strategy; FS 1&2	September 1995 IRM ROD	Group 1 Remedial Design
100-BC-1	116-B-14	Sludge Trench	Accepted	Y	WP; LFI; QRA; FFS; ROD Strategy; FS 1&2	September 1995 IRM ROD	Group 1 Remedial Design
100-BC-1	116-B-16	111-B Fuel Examination Tank	Accepted	Y	WP; LFI; QRA; FFS; ROD Strategy; FS 1&2	Proximity Site	Group 3 Remedial Design
100-BC-1	116-C-1	Process Effluent Trench	Accepted	Y	WP; LFI; QRA; FFS; ROD Strategy; FS 1&2	September 1995 IRM ROD	Group 1 Remedial Design
100-BC-1	116-C-5	Retention Basin	Accepted	Y	WP; LFI; QRA; FFS; ROD Strategy; FS 1&2	September 1995 IRM ROD	Group 1 Remedial Design
		TOTAL 100-BC-1 ROD SITES:		17			
100-BC-2							
100-BC-2	100-C-6	C Reactor Cooling Water Process Effluent Pipelines	Accepted	TBD	WP; LFI; QRA; FFS; ROD Strategy; FS 1&2	September 1995 IRM ROD	Group 2 Remedial Design
		TOTAL 100-BC-2 ROD SITES:		1			
BC AREA APRIL 1997 ROD AMENDMENT SITES (RL Category 2)							
100-BC-1							
NO SITES LISTED							
100-BC-2							
100-BC-2	116-C-2A	Pluto Crib	Accepted	Y	WP; LFI; QRA; FFS; ROD Strategy; FS 1&2	April 1997 ROD Amendment	Group 3 Remedial Design
100-BC-2	116-C-2B	Pump Station	Accepted	Y	WP; LFI; QRA; FFS; ROD Strategy; FS 1&2	April 1997 ROD Amendment	Group 3 Remedial Design
100-BC-2	116-C-2C	Pluto Crib Sand Filter	Accepted	Y	WP; LFI; QRA; FFS; ROD Strategy; FS 1&2	April 1997 ROD Amendment	Group 3 Remedial Design
		TOTAL 100-BC-2 ROD AMENDMENT SITES:		3			
BC AREA REMAINING SITES FOR REMEDIAL ACTION (RL Category 3)							
100-BC-1							
100-BC-1	116-B-7	116-B-7, Outfall Structure	Accepted	Y	WP; LFI; QRA; FFS; ROD Strategy; FS 1&2	Remove-Treat-Dispose	Above-ground facility, intact outfall structure
100-BC-1	128-B-3	Coal Ash and Demolition Waste Site; Dump & Burning Pit Site; includes site 600-57	Accepted	Y	WP; LFI; QRA; FFS; FS 1&2	Remove-Treat-Dispose	No data, evidence of stressed vegetation
100-BC-1	132-B-6	1904-B2 Outfall Structure Site, 116-B-8	Accepted	Y	WP; LFI; QRA; ROD Strategy	Remove-Treat-Dispose	Above-ground facility, intact outfall structure
100-BC-1	132-C-2	1904-C Outfall, 116-C-4	Accepted	Y	WP; LFI; QRA; FFS; ROD Strategy	Remove-Treat-Dispose	Above-ground facility, intact outfall structure
		TOTAL 100-BC-1 SITES FOR REMEDIAL ACTION:		4			

Operable Unit	WIDS Site Code	Waste Site Name	WIDS Classification	Listed in TPA App C (Rev.4)?	Existing Administrative Record Documentation	Proposed Disposition	Comments
100-BC-2							
NO SITES LISTED							
BC AREA REMAINING SITES FOR CONFIRMATORY SAMPLING (RL Category 4)							
100-BC-1							
100-BC-1	100-B-3	Former Hot Thimble Burial Ground	Accepted	TBD		Confirmatory Sampling	CSE-96 Site Thimble removed
100-BC-1	100-B-5	Effluent Vent Disposal Trench (unused)	Accepted	TBD		Confirmatory Sampling	Site not previously investigated
100-BC-1	100-B-10	107-B Basin Leak. Springs observed along the Columbia River below the B-Area	Accepted	TBD		Confirmatory Sampling	Site not previously investigated
100-BC-1	116-B-15	105-B Fuel Storage Basin Cleanout Percolation Pit	Accepted	Y	WP; LFI; Rod Strategy	Confirmatory Sampling	Received cleaned water from 105-B Fuel Storage Basin cleanout. ARCL report exists Possible soil contamination
100-BC-1	120-B-1	105-B Battery Acid Sump	Accepted	Y	WP; LFI; ROD Strategy; FS 1&2	Confirmatory Sampling	Sump was cleaned in 1986 and not reused
100-BC-1	128-B-2	100-B Burn Pit #2	Accepted	Y	WP; LFI; FFS; ROD Strategy; FS 1&2	Confirmatory Sampling	CSE-96 Site
100-BC-1	132-B-1	108-B Tritium Separation Facility	Accepted	Y	WP; ROD Strategy	Confirmatory Sampling	Former structure demolished in place
100-BC-1	132-B-3	108-B Ventilation Exhaust Stack Site	Accepted	Y	ROD Strategy	Confirmatory Sampling	Former structure demolished in place ARCL report exists Possible soil contamination requires sampling
100-BC-1	132-B-4	117-B Filter Building	Accepted	Y	WP; LFI; QRA; FFS; ROD Strategy	Confirmatory Sampling	Former structure demolished in place ARCL report exists. Possible soil contamination requires sampling
100-BC-1	132-B-5	115-B/C Gas Recirculation Facility	Accepted	Y	WP; LFI; QRA; FFS; ROD Strategy	Confirmatory Sampling	Former structure demolished in place ARCL report exists. Possible soil contamination requires sampling
100-BC-1	1607-B2 (124-B-2)	Septic Tank System for 105-B Reactor and offices.	Accepted	Y	WP; LFI; FFS; ROD Strategy	Confirmatory Sampling	Septic system; may be contaminated
100-BC-1	1607-B7 (124-C-1)	Septic Tank System for 183-B water treatment plant.	Accepted	Y	WP; LFI; ROD Strategy	Confirmatory Sampling	Septic system; may be contaminated
		TOTAL 100-BC-1 SITES FOR CONFIRMATORY SAMPLING:		**12**			
100-BC-2							
100-BC-2	100-B-1	Surface Chemical and Solid Waste Dumping Area, Laydown Yard	Accepted	Y		Confirmatory Sampling	CSE-96 Site
100-BC-2	100-C-3	119-C Sample Building French Drain	Accepted	TBD		Confirmatory Sampling	CSE-96 Site
100-BC-2	100-C-7	183-C Filter Building/Pumproom Facility foundation and demolition waste	Accepted	TBD		Confirmatory Sampling	Site not previously investigated
100-BC-2	116-C-3	105-C Chemical Waste Tanks (unused)	Accepted	Y	WP; LFI; ROD Strategy; FS 1&2	Confirmatory Sampling	CSE-96 Site
100-BC-2	116-C-6	105-C Fuel Storage Basin Cleanout Percolation Pit	Accepted	Y	WP; LFI; Rod Strategy	Confirmatory Sampling	Received cleaned water from 105-C Fuel Storage Basin cleanout. ARCL report exists Possible soil contamination
100-BC-2	128-C-1	100-C Burning Pit	Accepted	Y	WP; LFI; FFS; ROD Strategy; FS 1&2	Confirmatory Sampling	Used for burning of solvents and solid wastes: no burial sites.
100-BC-2	132-C-1	116-C Reactor Stack Burial Ground	Accepted	Y	WP; LFI; FFS; ROD Strategy	Confirmatory Sampling	Former structure demolished in place ARCL report exists. Possible soil contamination requires sampling.
100-BC-2	132-C-3	117-C Filter Building Site	Accepted	Y	WP; LFI; FFS; ROD Strategy	Confirmatory Sampling	Former structure demolished in place ARCL report exists. Possible soil contamination requires sampling
100-BC-2	1607-B8	Septic Tank and Drain Field for 190-C pumphouse	Accepted	Y	WP; LFI; ROD Strategy	Confirmatory Sampling	Septic system: may be contaminated
100-BC-2	1607-B9	Septic Tank and Drain Field for 105-C Reactor Building	Accepted	Y	WP; LFI; ROD Strategy	Confirmatory Sampling	Septic system: may be contaminated
100-BC-2	1607-B10	Septic Tank and Drain Field for 183-C water treatment plant	Accepted	Y	WP; LFI; ROD Strategy	Confirmatory Sampling	Septic system may be contaminated
100-BC-2	1607-B11	Septic Tank and Drain Field for 183-C water filter pumphouse.	Accepted	Y	WP; LFI; ROD Strategy	Confirmatory Sampling	Septic system may be contaminated
		TOTAL 100-BC-2 SITES FOR CONFIRMATORY SAMPLING:		**12**			
BC AREA REMAINING SITES REGULATED UNDER OTHER AUTHORITIES (RL Category 5)							
100-BC-1							
100-BC-1	100-B-2	181-B Backwash Trench	Accepted	TBD		Other Regulatory Programs	Under authority of Site Infrastructure Division, EM-70 Facility in use
100-BC-1	1607-B1 (124-B-1)	Septic Tank System for Patrol Change Room and Fire Station	Accepted	Y	WSR-96; WP; LFI; ROD Strategy	Other Regulatory Programs	Septic system: Close under WAC 247-272-18501; WSR Candidate

100-BC AREA REMAINING SITES - 9/11/97

September 11, 1997
(site-bcn.xls)

Operable Unit	WIDS Site Code	Waste Site Name	WIDS Classification	Listed in TPA App. C (Rev.4)?	Existing Administrative Record Documentation	Proposed Disposition	Comments
100-BC-1	1607-B3 (124-B-3)	Septic Tank System for 184-B pumphouse. Pumped dry and demolished in 1987.	Accepted	Y	WSR-96; WP; LFI; ROD Strategy	Other Regulatory Programs	Septic system; Close under WAC 247-272-18501; WSR Candidate
100-BC-1	1607-B4 (124-B-6)	Septic Tank System for 151-B electrical distribution facility.	Accepted	Y	WP; LFI; ROD Strategy	Other Regulatory Programs	Under authority of Site Infrastructure Division, EM-70
100-BC-1	1607-B5 (124-B-4)	Septic Tank System for 181-BC river pumphouse. Active facility.	Accepted	Y	WP; LFI; ROD Strategy	Other Regulatory Programs	Under authority of Site Infrastructure Division, EM-70. Active Septic System
100-BC-1	1607-B6 (124-B-5)	Septic Tank System for 182-B pump station and headhouse.	Accepted	Y	WP; LFI; ROD Strategy	Other Regulatory Programs	Under authority of Site Infrastructure Division, EM-70
		TOTAL 100-BC-1 SITES UNDER OTHER AUTHORITIES:		6			
100-BC-2							
NO SITES LISTED							
BC AREA REMAINING SITES RECOMMENDED FOR NO ACTION (RL Category 6)							
NO SITES LISTED							
BC AREA REMAINING SITES RECOMMENDED FOR REJECTION (RL Category 7)							
100-BC-1							
100-BC-1	100-B-4	Pre-Hanford Building Foundation. Under authority of Site Infrastructure Division.	Rejected	TBD		Rejected	EPA & RL concurred on "Rejection" 9/9/97
100-BC-1	126-B-4	B Area Brine and Salt Dilution Pits	Accepted	Y	WSR-96; ROD Strategy	Rejected	EPA & RL concurred on reclassification as "Rejected" 9/9/97
100-BC-1	128-B-1	Suspected Burn Pit. Site is coincident with 116-C-1. Not a discreet waste site	Rejected	Y		Rejected	EPA & RL concurred on "Rejection" 9/9/97
100-BC-1	600-34	100-B Baled Tumbleweed Disposal Site	Accepted	N	FFS; ROD Strategy	Rejected	EPA & RL concurred on reclassification as "Rejected" 9/9/97
100-BC-1	600-56	Pre-Hanford Farm Site. Several dry cell [illegible] Under authority of Site Infrastructure Division.	Accepted	TBD		Rejected	EPA & RL concurred on [illegible] "Rejected" 9/9/97
		TOTAL 100-BC-1 SITES RECOMMENDED FOR REJECTION:		5			
100-BC-2							
100-BC-2	100-C-2	Possible Building Foundation and Parking Lot	Rejected	TBD		Rejected	EPA & RL concurred on "Rejection" 9/9/97
100-BC-2	100-C-4	Water line valve pit. Under authority of Site Infrastructure Division, EM-70.	Rejected	TBD		Rejected	EPA & RL concurred on "Rejection" 9/9/97
100-BC-2	124-C-4	Number incorrectly assigned for a septic system in the 1995 RARA Summary Report.	Rejected	TBD		Rejected	EPA & RL concurred on "Rejection" 9/9/97
		TOTAL 100-BC-2 SITES RECOMMENDED FOR REJECTION:		3			
BC AREA REMAINING SITES - KEY FACILITIES AND SITES FOR D&D (RL Category 8)							
100-BC-1							
100-BC-1	118-B-8	105-B Reactor Building	Accepted	N	WP; ROD Strategy	Key Facility	Key facility per Section 8 of the TPA
100-BC-1	118-B-9	104-B2 Storage Building	Accepted	N	WP; LFI; ROD Strategy	Listed D&D Project Site	Above-ground facility; intact building
100-BC-1	126-B-2	183-B Clearwells. Intact facility. Contains no waste	Accepted	Y	WP; LFI; QRA; FFS; ROD Strategy; FS 1&2	Coordinate with D&D	Intact facility; contains no waste
		TOTAL 100-BC-1 SITES:		3			
100-BC-2							
100-BC-2	118-C-3	105-C Reactor Building	Accepted	N	WP	Key Facility	Key facility per Section 8 of the TPA
100-BC-2	118-C-4	105-C Horizontal Control Rod Storage Cave	Accepted	Y	WP; LFI; FFS; ROD Strategy; FS 1&2	Listed D&D Project Site	Above-ground facility; intact
		TOTAL 100-BC-2 SITES:		2			
BC AREA REMAINING SITES - BURIAL GROUND SITES (RL Category 9)							
100-BC-1							
100-BC-1	118-B-5	Ball 3X Burial Ground	Accepted	Y	WP; LFI; QRA; FFS; ROD Strategy; FS 1&2	TBD	Burial Grounds Task Team
100-BC-1	118-B-7	111-B Solid Waste Burial Site	Accepted	Y	WP; LFI; QRA; FFS	TBD	Burial Grounds Task Team
100-BC-1	118-B-10	115-B/C Caisson Site	Accepted	Y	WP; LFI; QRA; FFS; ROD Strategy; FS 1&2	TBD	Burial Grounds Task Team
		TOTAL 100-BC-1 BURIAL GROUND SITES:		3			

100-BC AREA REMAINING SITES - 9/11/97

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Operable Unit	WIDS Site ID Code	Waste Site Name	WIDS Classification	Listed In TPA App. C (Rev.4)?	Existing Administrative Record Documentation	Proposed Disposition	Comments
100-BC-2							
100-BC-2	118-B-1	105-B Burial Ground	Accepted	Y	WP; LFI; FFS; ROD Strategy	TBD	Burial Grounds Task Team
100-BC-2	118-B-2	Construction Burial Ground No. 1	Accepted	Y	WP; LFI; FFS; ROD Strategy; FS 1&2	TBD	Burial Grounds Task Team
100-BC-2	118-B-3	Construction Burial Ground No. 2	Accepted	Y	WP; LFI; FFS; ROD Strategy; FS 1&2	TBD	Burial Grounds Task Tean
100-BC-2	118-B-4	105-B Spacer Burial Ground; 105-B Dummy Burial Ground	Accepted	Y	WP; LFI; FFS; ROD Strategy; FS 1&2	TBD	Burial Grounds Task Team
100-BC-2	118-B-6	108-B Solid Waste Burial Ground	Accepted	Y	WP; LFI; FFS; ROD Strategy; FS 1&2	TBD	Burial Grounds Task Team
100-BC-2	118-C-1	105-C Burial Ground; 105-C Solid Waste Burial Ground	Accepted	Y	WP; LFI; FFS; ROD Strategy; FS 1&2	TBD	Burial Grounds Task Team
100-BC-2	118-C-2	105-C Ball 3X Storage Tank	Accepted	Y	WP; LFI; FFS; ROD Strategy; FS 1&2	TBD	Burial Grounds Task Team
100-BC-2	600-33	105-C Reactor Test Loop Burial Site	Accepted	Y	ROD Strategy	TBD	Burial Grounds Task Team
			TOTAL 100-BC-2 BURIAL GROUND SITES:	8			
BC AREA REMAINING SITES "PENDING" (RL Category 10)							
100-BC-1							
100-BC-1	100-B-7	100-B Area water treatment pipelines	Accepted	TBD		Pending	Piping potentially contaminated
100-BC-1	126-B-1	184-B Power House Ash Pit. EP Toxicity Test showed no hazardous materials.	Accepted	Y	WP; LFI; FFS; ROD Strategy; FS 1&2	Pending	Solid waste site; Inert Landfill
100-BC-1	126-B-3	184-B Coal Pit. Contains non-hazardous, non-radioactive solid waste and demolition debris	Accepted	Y	WP; LFI; FFS; ROD Strategy; FS 1&2	Pending	Solid waste site; Inert Landfill
100-BC-1	132-B-2	116-B Reactor Exhaust Stack	Accepted	N	WP	Pending	Above-ground facility; intact reactor exhaust stack
			TOTAL 100-BC-1 SITES:	4			
100-BC-2							
100-BC-2	100-C-5	100-C water treatment facilities underground pipelines	Accepted	TBD		Pending	Piping potentially contaminated
			TOTAL 100-BC-2 SITES:	1			

TOTAL 100-BC AREA WASTE SITES: 84

ADMINISTRATIVE RECORD DOCUMENTATION
WP = Work Plan
LFI = Limited Field Investigation
QRA = Qualitative Risk Assessment
FFS = Focused Feasibility Study
FS 1&2 = 100 Area Feasibility Study, Phases 1 and 2
ROD Strategy = 100 Area Record of Decision Strategy, 2/8/96
WSR-96 = Waste Site Reclassification Documentation, FY96

100-D AREA REMAINING SITES - 10/15/97

October 15 1997
(site-dn xls)

Operable Unit	WIDS Site Code	Waste Site Name	WIDS Classification	Listed in TPA App. C (Rev.4)?	Existing Administrative Record Documentation	Proposed Disposition	Comments
D AREA SEPTEMBER 1995 ROD SITES (RL Category 1)							
100-DR-1							
100-DR-1	100-D-18	Sludge Trench	Accepted	N	WP; LFI; QRA; FFS; ROD Strategy; FS 1&2	September 1995 IRM ROD	Group 2 Remedial Design
100-DR-1	100-D-19	Sludge Trench	Accepted	N	WP; LFI; QRA; FFS; ROD Strategy; FS 1&2	September 1995 IRM ROD	Group 2 Remedial Design
100-DR-1	100-D-20	Sludge Trench	Accepted	N	WP; LFI; QRA; FFS; ROD Strategy; FS 1&2	September 1995 IRM ROD	Group 2 Remedial Design
100-DR-1	100-D-21	Sludge Trench	Accepted	N	WP; LFI; QRA; FFS; ROD Strategy; FS 1&2	September 1995 IRM ROD	Group 2 Remedial Design
100-DR-1	100-D-22	Sludge Trench	Accepted	N	WP; LFI; QRA; FFS; ROD Strategy; FS 1&2	September 1995 IRM ROD	Group 2 Remedial Design
100-DR-1	100-D-25	Unplanned Release SS-100D-032	Accepted	N	WP; LFI; QRA; FFS; ROD Strategy; FS 1&2	Proximity Site	Group 2 Remedial Design
100-DR-1	100-D-29	Effluent Line Leak #2	Accepted	N	WP; LFI; QRA; FFS; ROD Strategy; FS 1&2	Proximity Site	Group 2 Remedial Design
100-DR-1	100-D-48	100-D Reactor Cooling Water Process Effluent Pipelines	Accepted	TBD	WP; LFI; QRA; FFS; ROD Strategy; FS 1&2	September 1995 IRM ROD	Group 3 Remedial Design
100-DR-1	100-D-49	100-DR Reactor Cooling Water Process Effluent Pipelines	Accepted	TBD	WP; LFI; QRA; FFS; ROD Strategy; FS 1&2	September 1995 IRM ROD	Group 2 Remedial Design
100-DR-1	100-D-52	105-D Downcomer French Drain	Accepted	TBD		Proximity Site	Group 3 Remedial Design
100-DR-1	116-D-1A	Fuel Storage Basin Trenches	Accepted	Y	WP; LFI; QRA; FFS; ROD Strategy; FS 1&2	September 1995 IRM ROD	Group 3 Remedial Design
100-DR-1	116-D-1B	Fuel Storage Basin Trenches	Accepted	Y	WP; LFI; QRA; FFS; ROD Strategy; FS 1&2	September 1995 IRM ROD	Group 3 Remedial Design
100-DR-1	116-D-2	Cribs	Accepted	Y	WP; LFI; QRA; FFS; ROD Strategy; FS 1&2	September 1995 IRM ROD	Group 3 Remedial Design
100-DR-1	116-D-4	Crib	Accepted	Y	WP; LFI; QRA; FFS; ROD Strategy; FS 1&2	September 1995 IRM ROD	Group 3 Remedial Design
100-DR-1	116-D-6	Cushion Corridor French Drain	Accepted	Y	WP; LFI; QRA; FFS; ROD Strategy; FS 1&2	September 1995 IRM ROD	Group 3 Remedial Design
100-DR-1	116-D-7	Retention Basin	Accepted	Y	WP; LFI; QRA; FFS; ROD Strategy; FS 1&2	September 1995 IRM ROD	Group 2 Remedial Design
100-DR-1	116-D-9	Seal Pit Crib	Accepted	Y	WP; LFI; QRA; FFS; ROD Strategy; FS 1&2	September 1995 IRM ROD	Group 3 Remedial Design
100-DR-1	116-DR-1	Process Effluent Trench	Accepted	Y	WP; LFI; QRA; FFS; ROD Strategy; FS 1&2	September 1995 IRM ROD	Group 2 Remedial Design
100-DR-1	116-DR-2	Process Effluent Trench	Accepted	Y	WP; LFI; QRA; FFS; ROD Strategy; FS 1&2	September 1995 IRM ROD	Group 2 Remedial Design
100-DR-1	116-DR-9	Retention Basin	Accepted	Y	WP; LFI; QRA; FFS; ROD Strategy; FS 1&2	September 1995 IRM ROD	Group 2 Remedial Design
100-DR-1	1607-D2	Septic Tank and Associated Drain Field	Accepted	Y	WP; LFI; QRA; FFS; ROD Strategy; FS 1&2	Proximity Site	Group 2 Remedial Design
100-DR-1	UPR-100-D-2	Effluent Line Leak #1	Accepted	N	WP; LFI; QRA; FFS; ROD Strategy; FS 1&2	Proximity Site	Group 2 Remedial Design
100-DR-1	UPR-100-D-3	Effluent Line Leak #3	Accepted	N	WP; LFI; QRA; FFS; ROD Strategy; FS 1&2	Proximity Site	Group 2 Remedial Design
100-DR-1	UPR-100-D-4	Unplanned Release SS-100D-031	Accepted	N	WP; LFI; QRA; FFS; ROD Strategy; FS 1&2	Proximity Site	Group 2 Remedial Design
100-DR-1	UPR-100-D-5	Effluent Line Leak #4	Accepted	N	WP; LFI; QRA; FFS; ROD Strategy; FS 1&2	Proximity Site	Group 2 Remedial Design
		TOTAL 100-DR-1 ROD SITES:		25			
100-DR-2							
NO SITES LISTED							
D AREA APRIL 1997 ROD AMENDMENT SITES (RL Category 2)							
100-DR-1							
100-DR-1	116-D-3	108-D Crib #1	Accepted	Y	WP; LFI; QRA; FFS; ROD Strategy; FS 1&2	April 1997 ROD Amendment	Group 3 Remedial Design
		TOTAL 100-DR-1 ROD AMENDMENT SITES:		1			
100-DR-2							
100-DR-2	116-DR-3	105-DR Storage Basin Trench	Accepted	Y	WP; LFI; QRA; FFS; ROD Strategy; FS 1&2	April 1997 ROD Amendment	Group 3 Remedial Design
100-DR-2	116-DR-4	105-DR Pluto Crib	Accepted	Y	WP; LFI; QRA; FFS; ROD Strategy; FS 1&2	April 1997 ROD Amendment	Group 3 Remedial Design
100-DR-2	116-DR-6	1608-DR Liquid Disposal Trench	Accepted	Y	WP; LFI; QRA; FFS; ROD Strategy; FS 1&2	April 1997 ROD Amendment	Group 3 Remedial Design
		TOTAL 100-DR-2 ROD AMENDMENT SITES:		3			

100-D AREA REMAINING SITES - 10/15/97

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Operable Unit	WIDS Site Code	Waste Site Name	WIDS Classification	Listed in TPA App. C (Rev.4)7-21	Administrative Record Documentation	Proposed Disposition	Comments
D AREA REMAINING SITES FOR REMEDIAL ACTION (RL Category 3)							
100-DR-1							
100-DR-1	100-D-1	Contaminated Storm Drain	Accepted	Y	ROD Strategy	Remove-Treat-Dispose	Contaminated by retention basin leakage. Former ESD B Candidate
100-DR-1	100-D-2	Lead Sheeting (formerly 100-D-39)	Accepted	N		Remove-Treat-Dispose	Removal of lead may clear site
100-DR-1	100-D-3	Solid Waste Burial Site: Silica Gel	Accepted	Y	ROD Strategy	Remove-Treat-Dispose	Possible site of 100-D Pluto Crib. Former ESD B Candidate
100-DR-1	100-D-4	Sludge Trench #6 Near 107-D Retention Basin	Accepted	N	WP; QRA; ROD Strategy	Remove-Treat-Dispose	Former ESD B Candidate
100-DR-1	100-D-31	100-D Process Sewer System	Accepted	N		Remove-Treat-Dispose	Piping potentially contaminated
100-DR-1	116-D-5	1904-D Outfall Structure	Accepted	Y	WP; LFI; QRA; FFS; ROD Strategy; FS 1&2	Remove-Treat-Dispose	Above-ground facility, intact outfall structure
100-DR-1	116-DR-5	1904-DR Outfall Structure	Accepted	Y	WP; LFI; QRA; FFS; ROD Strategy; FS 1&2	Remove-Treat-Dispose	Above-ground facility, intact outfall structure (filled with soil)
100-DR-1	120-D-2	186-D Waste Acid Reservoir; demolished in place; contains lead lining	Accepted	Y		Remove-Treat-Dispose	Removal of lead may clear site
		TOTAL 100-DR-1 SITES FOR REMEDIAL ACTION:		8			
100-DR-2							
100-DR-2	100-D-12	Sodium Dichromate / Acid Railcar and Truck Unloadling Station and Associated French Drain	Accepted	N	WP; LFI; QRA; FFS	Remove-Treat-Dispose	LFI sampling confirmed presence of chromates; Former ESD B Candidate. Group 3 Remedial Design
100-DR-2	116-D-8	100-D Cask Storage Pad	Accepted	N	WP; LFI; QRA; FFS; ROD Strategy	Remove-Treat-Dispose	Contaminated with radionuclides
100-DR-2	116-DR-7	Inkwell Crib	Accepted	Y	WP; LFI; QRA; ROD Strategy; FS 1&2	Remove-Treat-Dispose	Crib received potassium borate contaminated with radionuclides; ESD B Candidate; Group 3 Remedial Design
		TOTAL 100-DR-2 SITES FOR REMEDIAL ACTION:		3			
D AREA REMAINING SITES FOR CONFIRMATORY SAMPLING (RL Category 4)							
100-DR-1							
100-DR-1	100-D-8	105-DR Process Sewer Outfall Site; 1907-DR	Accepted	N		Confirmatory Sampling	Non-radioactive waste site. Former structure demolished in place.
100-DR-1	100-D-9	Former location of boiler fuel oil tanks removed during D&D of 184-DA boiler house	Rejected	N		Confirmatory Sampling	Decision on rejection pending
100-DR-1	100-D-24	119D Sample Building French Drain	Accepted	N		Confirmatory Sampling	Indicated on Site dwg U-1-19810
100-DR-1	100-D-30	190-D Sodium Dichromate Soil Contamination; 185-D NaCr Trench	Accepted	N		Confirmatory Sampling	Not known to be contaminated with Chromium VI
100-DR-1	116-D-10	105-D Fuel Storage Basin Cleanout Percolation Pit for water treated by ion exchange and filtration.	Accepted	Y	ROD Strategy	Confirmatory Sampling	ARCL report exists. Possible soil contamination requires sampling
100-DR-1	128-D-2	Burn Pit Site	Accepted	Y	ROD Strategy	Confirmatory Sampling	CSE-96 Site
100-DR-1	130-D-1	1716-D Gasoline Storage Tank Site	Accepted	Y	WP; LFI; QRA; FFS; ROD Strategy; FS 1&2	Confirmatory Sampling	Contaminated soil left in place when tank was removed.
100-DR-1	132-D-1	115-D/DR Gas Recirculating Facility Former structure demolished in place	Accepted	Y	WP; LFI; QRA; FFS; ROD Strategy	Confirmatory Sampling	ARCL report exists. Possible soil contamination requires sampling.
100-DR-1	132-D-2	117-D Filter Building. Former structure demolished in place.	Accepted	Y	WP; LFI; QRA; FFS; ROD Strategy	Confirmatory Sampling	ARCL report exists. Possible soil contamination requires sampling
100-DR-1	132-D-3	1608-D Waste Water / Effluent Pumping Station. Former structure demolished in place.	Accepted	Y	WP; LFI; QRA; FFS; ROD Strategy; FS 1&2	Confirmatory Sampling	ARCL report exists. Possible soil contamination requires sampling
100-DR-1	628-3	Burn Pit	Accepted	Y	ROD Strategy	Confirmatory Sampling	CSE-96 Site
100-DR-1	1607-D4	Septic Tank and Drain Field for 115-D/DR Gas Recirculation Bldg.	Accepted	Y	WP; LFI; ROD Strategy	Confirmatory Sampling	Septic system; may be contaminated
100-DR-1	1607-D5	Septic Tank and Drain Field for 181-D pumphouse	Accepted	Y	WP; LFI; ROD Strategy	Confirmatory Sampling	Septic system; may be contaminated
100-DR-1	UPR-100-D-1	Oil Soaked Soil	Accepted	N		Confirmatory Sampling	Evaluate under WAC 173-340-740, Method A, and clean up if necessary
		TOTAL 100-DR-1 SITES FOR CONFIRMATORY SAMPLING:		14			
100-DR-2							
100-DR-2	100-D-13 (124-DR-3 1607-DR3)	IMHOFF Septic Tank and drain field for temporary construction facilities and water tower overflow.	Accepted	TBD		Confirmatory Sampling	Septic system; may be contaminated
100-DR-2	100-D-15	Undocumented Solid Waste Burial Sites/Borrow Pits	Accepted	TBD		Confirmatory Sampling	Solid waste; dump area for Army site wastes; paint and solvent cans

100-D AREA REMAINING SITES - 10/15/97

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(sre-dn.xls)

Operable Unit	WIDS Site Code	Waste Site Name	WIDS Classification	Listed in TPA App. C (Rev.4)?	Existing Administrative Record Documentation	Proposed Disposition	Comments
100-DR-2	100-D-23	119-DR Building French Drain	Accepted	N		Confirmatory Sampling	Indicated on Site Drawing U-1-19810
100-DR-2	100-D-27	Spill of transformer oil; cleaned up	Rejected	N		Confirmatory Sampling	Assay: [illegible] dual soil not available
100-DR-2	100-D-28	Septic System for the 190-DR Building	Accepted	TBD		Confirmatory Sampling	Septic system; may be contaminated
100-DR-2	116-DR-8	117-DR Seal Pit Crib	Accepted	Y	WP; LFI; QRA; ROD Strategy	Confirmatory Sampling	CSE-96 Site
100-DR-2	116-DR-10	105-DR Fuel Storage Basin Cleanout Percolation Pond for water treated by ion exchange and filtration.	Accepted	Y	WP; LFI; QRA; ROD Strategy	Confirmatory Sampling	ARCL report exists. Possible soil contamination requires sampling
100-DR-2	128-D-1	100 D/DR Burning Pit	Accepted	Y	WP; LFI; QRA; ROD Strategy	Confirmatory Sampling	Used for burning of solvents and solid wastes; no burial sites
100-DR-2	132-DR-1	1608-DR Waste Water / Effluent Pumping Station demolished in place	Accepted	Y	WP; LFI; QRA; ROD Strategy	Confirmatory Sampling	ARCL report exists. Possible soil contamination requires sampling.
		TOTAL 100-DR-2 SITES FOR CONFIRMATORY SAMPLING:		9			
D AREA REMAINING SITES REGULATED UNDER OTHER AUTHORITIES (RL Category 5)							
100-DR-1							
100-DR-1	120-D-1	100-D Ponds	Accepted	Y	WP; LFI; QRA; FS 1&2	Other Regulatory Programs	RCRA Permit Mod
100-DR-1	126-D-1	184-D Powerhouse Ash Pit, 188-D Ash Disposal Area	Accepted	Y	WP; LFI; QRA; ROD Strategy; FS 1&2	Other Regulatory Programs	Solid waste site. Inert Landfill
		TOTAL 100-DR-1 SITES UNDER OTHER AUTHORITIES:		2			
100-DR-2							
100-DR-2	100-D-14	Unnumbered Septic Tank #2 for temporary construction badgehouse.	Accepted	N	WSR-96	Other Regulatory Programs	Septic system; Close under WAC 247-272-18501; WSR Candidate
100-DR-2	100-D-53	117-DR Filter Building	Accepted	TBD		Other Regulatory Programs	Part of 122-DR-1, the Large Sodium Fire Facility; RCRA Permit Mod
100-DR-2	122-DR-1	105-DR Large Sodium Fire [illegible]	Accepted	N		Other Regulatory Programs	RCRA Permit Mod.
100-DR-2	1607-D1 (124-D-1)	Septic Tank and Drain Field for the 1702-D Badgehouse and 1709-D Fire Headquarters	Accepted	Y	WSR-96; WP; LFI; QRA; ROD Strategy	Other Regulatory Programs	Septic system; Close under WAC 247-272-18501; WSR Candidate
100-DR-2	1607-D3	Septic Tank and Drain Field for the 151-D Electrical Distribution Substation.	Accepted	Y	WP; LFI; QRA; ROD Strategy	Other Regulatory Programs	Septic system; Close under WAC 247-272-18501
		TOTAL 100-DR-2 SITES UNDER OTHER AUTHORITIES:		5			
D AREA REMAINING SITES RECOMMENDED FOR NO ACTION (RL Category 6)							
NO SITES LISTED							
D AREA REMAINING SITES RECOMMENDED FOR REJECTION (RL Category 7)							
100-DR-1							
100-DR-1	100-D-10	Storm Drain Outfall, demolished and removed. Received only rainwater.	Rejected	N		Rejected	Ecology & RL concurred on "Rejection" 8/27/97
100-DR-1	100-D-26	Borrow Pit Potential Burial Trenches	Rejected	N		Rejected	Ecology & RL concurred on "Rejection" 8/27/97
100-DR-1	100-D-34	100-D/DR Exclusion Area	Rejected	TBD		Rejected	Ecology & RL concurred on "Rejection" 8/27/97
100-DR-1	100-D-38	Suspect Septic Tank. Actually a junction box and manhole associated with the 1607 D2 Septic System	Rejected	N		Rejected	Ecology & RL concurred on "Rejection" 8/27/97
100-DR-1	126-D-3	D Area Brine and Salt Dilution Pits. Cleaned and demolished in place in 1988	Accepted	Y	WSR-96; WP; LFI; ROD Strategy	Rejected	Ecology & RL concurred on reclassification as "Rejected" 8/27/97
		TOTAL 100-DR-1 SITES RECOMMENDED FOR REJECTION:		5			
100-DR-2							
100-DR-2	100-D-11	Former site of Temporary Garage and Gasoline Dispensing Station	Rejected	TBD		Rejected	Ecology & RL concurred on "Rejection" 8/27/97
100-DR-2	100-D-17	Former burn pit for construction debris	Accepted	TBD		Rejected	Ecology & RL concurred on reclassification as "Rejected" 8/27/97
100-DR-2	100-D-36	1614-D-1, Concrete Pad for Monitoring Station (600 Area)	Rejected	TBD		Rejected	Ecology & RL concurred on "Rejection" 8/27/97
100-DR-2	100-D-37	1614-D-3 Concrete Pad for Monitoring Station (600 Area)	Rejected	TBD		Rejected	Ecology & RL concurred on "Rejection" 8/27/97
100-DR-2	600-30	100-DR Construction Lay-down Area	Accepted	Y	ROD Strategy	Rejected	Decision on rejection pending
		TOTAL 100-DR-2 SITES RECOMMENDED FOR REJECTION:		5			
D AREA REMAINING SITES - KEY FACILITIES AND SITES FOR D&D (RL Category 8)							

100-D AREA REMAINING SITES - 10/15/97

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(site-dn.xls)

Operable Unit	WIDS Site Code	Waste Site Name	WIDS Classification	Listed in TPA App. C? (Rev.4)??	Existing Administrative Record Documentation	Proposed Disposition	Comments
100-DR-1							
100-DR-1	118-D-6	105-D Reactor Building	Accepted	N	WP; QRA	Key Facility	Key facility per Section 8 of the TPA
100-DR-1	132-D-4	116-D Reactor Exhaust Stack	Accepted	N	WP; QRA; ROD Strategy	Listed D&D Project Site	Above-ground facility; intact reactor exhaust stack
		TOTAL 100-DR-1 SITES:		2			
100-DR-2							
100-DR-2	118-DR-2	105-DR Reactor Building	Accepted	N	WP	Key Facility	Key facility per Section 8 of the TPA
100-DR-2	132-DR-2	116-DR Reactor Exhaust Stack	Accepted	N	WP; ROD Strategy	Coordinate with D&D	Above-ground facility; intact reactor exhaust stack
		TOTAL 100-DR-2 SITES:		2			
D AREA REMAINING SITES - BURIAL GROUND SITES (RL Category 9)							
100-DR-1							
100-DR-1	100-D-5	Undocumented waste site near 103-D	Accepted	N	ROD Strategy	TBD	Burial Grounds Task Team
100-DR-1	100-D-6 (100-D-42)	Burial Ground 4D (118-D-4D); Buried VSR Thimble Site (Includes 100-D-42)	Accepted	TBD	LFI; FFS	TBD	Burial Grounds Task Team
100-DR-1	100-D-32	Minor Construction Burial Ground #6	Accepted	TBD	LFI; FFS	TBD	Burial Grounds Task Team
100-DR-1	100-D-33	Minor Construction Burial Ground #4	Accepted	TBD	LFI; FFS	TBD	Burial Grounds Task Team
100-DR-1	100-D-35	Minor Construction Burial Ground #1	Accepted	TBD	LFI; FFS	TBD	Burial Grounds Task Team
100-DR-1	100-D-41 (118-D-18)	Minor Construction Burial Ground #5; Burial Ground 18	Accepted	TBD	WP; LFI; QRA; FFS	TBD	Burial Grounds Task Team
100-DR-1	100-D-45	Burial Ground 4B (118-D-4B); Buried VSR Thimble Site	Accepted	TBD	WP; LFI; QRA; FFS	TBD	Burial Grounds Task Team
100-DR-1	126-D-2	184-D Coal Pit/Burial Ground	Accepted	Y	WP; LFI; QRA; FFS; ROD Strategy; FS 1&2	TBD	Burial Grounds Task Team
		TOTAL 100-DR-1 BURIAL GROUND SITES:		8			
100-DR-2							
100-DR-2	100-D-40	Minor Construction Burial Ground #5 hole (pit)	Accepted	TBD		TBD	Burial Grounds Task Team
100-DR-2	100-D-43	Burial Ground 4C (118-D-4C); Buried VSR Thimble Site	Accepted	TBD	LFI	TBD	Burial Grounds Task Team
100-DR-2	100-D-46	Burial Ground 4A (118-D-4A)	Accepted	TBD	WP; LFI; QRA; FFS	TBD	Burial Grounds Task Team
100-DR-2	100-D-47	Construction Burial Ground 4E (118-D-4E)	Accepted	N	FFS	TBD	Burial Grounds Task Team
100-DR-2	118-D-1	100-D Burial Ground No. 1	Accepted	Y	WP; LFI; QRA; FFS; ROD Strategy	TBD	Burial Grounds Task Team
100-DR-2	118-D-2	100-D Burial Ground No. 2	Accepted	Y	WP; LFI; QRA; FFS; ROD Strategy	TBD	Burial Grounds Task Team
100-DR-2	118-D-3	100-D Burial Ground No. 3	Accepted	Y	WP; LFI; QRA; FFS; ROD Strategy	TBD	Burial Grounds Task Team
100-DR-2	118-D-4	Construction Burial Ground	Accepted	Y	WP; LFI; QRA; FFS; ROD Strategy	TBD	Burial Grounds Task Team
100-DR-2	118-D-5	Ball 3X Burial Ground	Accepted	Y	WP; LFI; QRA; FFS; ROD Strategy	TBD	Burial Grounds Task Team
100-DR-2	118-DR-1	105-DR Gas Loop Burial Ground	Accepted	Y	WP; LFI; QRA; FFS; ROD Strategy	TBD	Burial Grounds Task Team
100-DR-2	126-DR-1	190-DR Clearwell Tank Pit	Accepted	Y	WP; LFI; QRA; ROD Strategy	TBD	Burial Grounds Task Team
		TOTAL 100-DR-2 BURIAL GROUND SITES:		11			
D AREA REMAINING SITES "PENDING" (RL Category 10)							
100-DR-1							
100-DR-1	100-D-7	Solid Waste Dump	Accepted	N		Pending	Solid waste; no hazardous waste or asbestos known.
100-DR-1	100-D-50	100-D/DR Area water treatment facility pipelines	Accepted	TBD		Pending	Piping potentially contaminated
		TOTAL 100-DR-1 PENDING SITES:		2			
100-DR-2							
NO SITES LISTED							

TOTAL 100-D AREA WASTE SITES:	105

ADMINISTRATIVE RECORD DOCUMENTATION
WP = Work Plan; LFI = Limited Field Investigation
QRA = Qualitative Risk Assessment; FFS = Focused Feasibility Study
FS 1&2 = 100 Area Feasibility Study, Phases 1 and 2
ROD Strategy = 100 Area Record of Decision Strategy, 2/8/96
WSR-96 = Waste Site Reclassification Documentation FY96

100-F AREA REMAINING SITES - 10/15/97

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(site-fn.xls)

Operable Unit	WIDS Site Code	Waste Site Name	WIDS Classification	Listed in (1) App. C (Rev.4)?	Document	Disposition	Comments
F AREA SEPTEMBER 1995 ROD SITES (RL Category 1)							
NO SITES LISTED							
F AREA APRIL 1997 ROD AMENDMENT SITES (RL Category 2)							
100-FR-1							
100-FR-1	100-F-19	Process Effluent Pipelines	Accepted	TBD	WP; LFI; QRA; FFS; ROD Strategy; FS 1&2	April 1997 ROD Amendment	Group 4 Remedial Design
100-FR-1	116-F-1	Lewis Canal	Accepted	Y	WP; LFI; QRA; FFS; ROD Strategy; FS 1&2	April 1997 ROD Amendment	Group 4 Remedial Design
100-FR-1	116-F-2	Liquid Waste Disposal Trench	Accepted	Y	WP; LFI; QRA; FFS; ROD Strategy; FS 1&2	April 1997 ROD Amendment	Group 4 Remedial Design
100-FR-1	116-F-3	Storage Basin Trench	Accepted	Y	WP; LFI; QRA; FFS; ROD Strategy; FS 1&2	April 1997 ROD Amendment	Group 4 Remedial Design
100-FR-1	116-F-4	105-F Pluto Crib	Accepted	Y	WP; LFI; QRA; FFS; ROD Strategy; FS 1&2	April 1997 ROD Amendment	Group 4 Remedial Design
100-FR-1	116-F-5	Ball Washer Crib	Accepted	Y	WP; LFI; QRA; FFS; ROD Strategy; FS 1&2	April 1997 ROD Amendment	Group 4 Remedial Design
100-FR-1	116-F-6	1608-F Liquid Waste Disposal Trench	Accepted	Y	WP; LFI; QRA; FFS; ROD Strategy; FS 1&2	April 1997 ROD Amendment	Group 4 Remedial Design
100-FR-1	116-F-9	Animal Waste Leaching Trench	Accepted	Y	WP; LFI; QRA; FFS; ROD Strategy; FS 1&2	April 1997 ROD Amendment	Group 4 Remedial Design
100-FR-1	116-F-10	105-F Dummy Decontamination French Drain	Accepted	Y	WP; LFI; QRA; FFS; ROD Strategy; FS 1&2	April 1997 ROD Amendment	Group 4 Remedial Design
100-FR-1	116-F-11	Cushion Corridor French Drain	Accepted	Y	WP; LFI; QRA; FFS; ROD Strategy; FS 1&2	April 1997 ROD Amendment	Group 4 Remedial Design
100-FR-1	116-F-14	Retention Basin	Accepted	Y	WP; LFI; QRA; FFS; ROD Strategy; FS 1&2	April 1997 ROD Amendment	Group 4 Remedial Design
100-FR-1	UPR-100-F 2	Basin Leak Ditch	Accepted	Y	WP; LFI; QRA; FFS; ROD Strategy; FS 1&2	April 1997 ROD Amendment	Group 4 Remedial Design
		TOTAL 100-FR-1 ROD AMENDMENT SITES:		12			
100-FR-2							
100-FR-2	100-F-15	108-F Building Ventilation French Drain	Accepted	TBD	WP; LFI; QRA; FFS; ROD Strategy; FS 1&2	April 1997 ROD Amendment	Group 4 Remedial Design; Coordinate with D&D of 108-F Bldg
100-FR-2	126-F-1	184-F Powerhouse Ash Pit; 188-F Ash Disposal Area	Accepted	Y	WP; LFI; QRA; FFS; ROD Strategy; FS 1&2	April 1997 ROD Amendment	Group 4 Remedial Design
		TOTAL 100-FR-2 ROD AMENDMENT SITES:		2			
F AREA REMAINING SITES FOR REMEDIAL ACTION (RL Category 3)							
100-FR-1							
100-FR-1	116-F-8	1904-F Outfall Structure	Accepted	Y	WP; LFI; QRA; FFS; ROD Strategy; FS 1&2	Remove-Treat-Dispose	Above-ground facility, intact outfall structure
100-FR-1	116-F-15	108-F Radiation Crib	Accepted	Y		Remove-Treat-Dispose	Coordinate with D&D of 108-F Building
100-FR-1	116-F-16	PNL Outfall	Accepted	Y	WP; LFI; QRA; FFS; ROD Strategy	Remove-Treat-Dispose	Above-ground facility, intact outfall structure
100-FR-1	1607-F2	Septic tank and drain field for 190-F pumphouse, water treatment facilities, and 105-F Reactor Bldg	Accepted	Y	WP; LFI; ROD Strategy	Remove-Treat-Dispose	Contaminated septic system; Group 4 Remedial Design; Former ESD B Candidate
100-FR-1	1607-F6 (124-F-6)	Septic tank and drain field for animal farm buildings	Accepted	Y	WP; LFI; ROD Strategy	Remove-Treat-Dispose	Contaminated septic system; Group 4 Remedial Design; Former ESD B Candidate
		TOTAL 100-FR-1 SITES FOR REMEDIAL ACTION:		5			
100-FR-2							
100-FR-2	100-F-2	Strontium Gardens	Accepted	Y	FFS; ROD Strategy	Remove-Treat-Dispose	Group 4 Remedial Design; Former ESD B Candidate
100-FR-2	120-F-1	Glass Dump	Accepted	Y	WP; FFS; ROD Strategy	Remove-Treat-Dispose	Disposal trench for light bulbs, glass, and electrical components
		TOTAL 100-FR-2 SITES FOR REMEDIAL ACTION:		2			
F AREA REMAINING SITES FOR CONFIRMATORY SAMPLING (RL Category 4)							
100-FR-1							
100-FR-1	100-F-4	108-F Building 12-inch French Drain	Accepted	N		Confirmatory Sampling	Coordinate with D&D of 108-F Building

100-F AREA REMAINING SITES - 10/15/97

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Operable Unit	WIDS Site Code	Waste Site Name	WIDS Classification	Listed in TPA App. C (Rev.4)?	Existing Administrative Record Documentation	Proposed Disposition	Comments
100-FR-1	100-F-7	Underground Fuel Tank - 1705-F Building	Accepted	N	ROD Strategy	Confirmatory Sampling	Possible UST. If found, close under WAC 173-360
100-FR-1	100-F-9	First French Drain at East End of 105-F Storage Room	Accepted	N	ROD Strategy	Confirmatory Sampling	CSE-96 Site
100-FR-1	100-F-10	Second French Drain at East End of 105-F Storage Room	Accepted	N	ROD Strategy	Confirmatory Sampling	CSE-96 Site
100-FR-1	100-F-11	108-F Building 18 inch French Drain	Accepted	N		Confirmatory Sampling	Coordinate with D&D of 108-F Building CSE-96 Site
100-FR-1	100-F-12	36 inch French Drain at 105-F Building	Accepted	N	ROD Strategy	Confirmatory Sampling	CSE-96 Site
100-FR-1	100-F-16	108-F Building 30-inch French Drain. Undocumented	Accepted	TBD		Confirmatory Sampling	Coordinate with D&D of 108-F Building
100-FR-1	100-F-18	Former underground condensate tank at 105-F Bldg; removed in 1994	Accepted	TBD		Confirmatory Sampling	Removed during D&D of 105-F Supply Fan Room in 1994. Drain field may remain
100-FR-1	100-F-23	141-F Drywell	Accepted	TBD		Confirmatory Sampling	Site not previously investigated
100-FR-1	100-F-24	145-F Drywell/French Drain	Accepted	TBD		Confirmatory Sampling	Site not previously investigated
100-FR-1	100-F-25	146-F Drywell/French Drain	Accepted	TBD		Confirmatory Sampling	Site not previously investigated
100-FR-1	100-F-29	100-F Experimental Animal Farm process sewer pipelines	Accepted	TBD		Confirmatory Sampling	Site not previously investigated
100-FR-1	100-F-31	144-F Sanitary Sewer System	Accepted	TBD		Confirmatory Sampling	May have been removed during D&D of 144-F Bldg.
100-FR-1	100-F-33	1705-F Fish Farm (new listing 5/22/97)	Accepted	N	ROD Strategy	Confirmatory Sampling	Site not previously investigated
100-FR-1	100-F-34	Biology Facility French Drain (new listing 6/03/97)	Accepted	TBD		Confirmatory Sampling	Site not previously investigated
100-FR-1	116-F-7	117-F French Drain	Accepted	Y	WP; LFI; ROD Strategy; FS 1&2	Confirmatory Sampling	CSE-96 Site
100-FR-1	116-F-12	148-F French Drain	Accepted	Y	WP; LFI; QRA; FFS; ROD Strategy; FS 1&2	Confirmatory Sampling	CSE-96 Site
100-FR-1	128-F-2	100-F Burning Pit	Accepted	Y	WP; QRA; ROD Strategy; FS 1&2	Confirmatory Sampling	Used for burning of solvents and solid wastes; no burial sites.
100-FR-1	132-F-1	Chronic Feeding Barn Site	Accepted	N	WP; LFI; ROD Strategy	Confirmatory Sampling	LFI test pit found no contamination above background
100-FR-1	132-F-3	115-F Gas Recirculating Facility Site	Accepted	Y	WP; LFI; ROD Strategy	Confirmatory Sampling	Former structure; cleaned and demolished in place. ARCL report exists. Possible soil contamination requires sampling.
100-FR-1	132-F-4	116-F Reactor Stack Demolition Site	Accepted	Y	WP; ROD Strategy	Confirmatory Sampling	Former structure; cleaned and demolished in place. ARCL report exists. Possible soil contamination requires sampling.
100-FR-1	132-F-5	117-F Filter Building Site	Accepted	Y	WP; LFI; ROD Strategy	Confirmatory Sampling	Former structure; cleaned and demolished in place. ARCL report exists. Possible soil contamination requires sampling.
100-FR-1	132-F-6	1608-F Waste Water Pumping Station Site	Accepted	Y	WP; LFI; QRA; FFS; ROD Strategy	Confirmatory Sampling	Former structure; cleaned and demolished in place. ARCL report exists. Possible soil contamination requires sampling
100-FR-1	141-C	Large Animal Barn & Biology Laboratory	Accepted	N	ROD Strategy	Confirmatory Sampling	Former structure; cleaned, demolished and removed
100-FR-1	1607-F3 (124-F-3)	Septic tank and drain field for 182-F pump station, 183-F water treatment plant, and 151-F electrical substation.	Accepted	Y	WP; LFI; ROD Strategy	Confirmatory Sampling	Septic system; may be contaminated
100-FR-1	1607-F4 (124-F-4)	Septic tank and drain field for 115-F Gas Recirculation Bldg.	Accepted	Y	WP; LFI; ROD Strategy	Confirmatory Sampling	Septic system; may be contaminated
100-FR-1	1607-F5 (124-F-5)	Septic tank and drain field for 181-F pumphouse	Accepted	Y	WP; LFI; ROD Strategy	Confirmatory Sampling	Septic system; may be contaminated
100-FR-1	1607-F7 (124-F-7)	Septic tank and drain field for 141-M Building	Accepted	N	WP; LFI	Confirmatory Sampling	Septic system; may be contaminated
100-FR-1	UPR-100-F-1	UN-100-F-1 Unplanned Release. 141-C to 141-M Process Sewer Line Leak	Accepted	Y	WP; LFI; QRA; FFS	Confirmatory Sampling	CSE-96 Site
100-FR-1	UPR-100-F-3	Mercury Spill at 146-F Fish Lab	Accepted	N		Confirmatory Sampling	Said to have been cleaned up
		TOTAL 100-FR-1 SITES FOR CONFIRMATORY SAMPLING:		**30**			
		100-FR-2					
100-FR-2	100-F-14	Vent pipe (Carpenter shop waste site vent)	Accepted	N	FFS; ROD Strategy	Confirmatory Sampling	Soil gas and radiation surveys found no hazardous substances
100-FR-2	100-F-28	Septic tank and drain field for undocumented building	Accepted	TBD		Confirmatory Sampling	Under authority of DOE Site Infrastructure Division. EM-70
100-FR-2	118-F-4	Silica Gel Burial Ground: 115-F Pit	Accepted	Y	WP; FFS; ROD Strategy	Confirmatory Sampling	Silica gel containing C-12 from 115-F gas recirculation facility
100-FR-2	128-F-1	Burning Pit	Accepted	Y	WP; FFS; ROD Strategy	Confirmatory Sampling	CSE-96 Site
100-FR-2	128-F-3	PNL Burning Pit	Accepted	Y	FFS; ROD Strategy	Confirmatory Sampling	CSE-96 Site

100-F AREA REMAINING SITES - 10/15/97

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(site-fn.xls)

Operable Unit	WIDS Site Code	Waste Site Name	WIDS Classification	Listed in TPA App. C (Rev.4)7/96	Existing Administrative Record Documentation	Proposed Disposition	Comments
100-FR-2	1607-F1 (124-F-1)	Septic tank and drain field for badge house, fire station, office, and change room	Accepted	Y	WSR-96; WP; FFS; ROD Strategy	Confirmatory Sampling	Septic system; may be contaminated
		TOTAL 100-FR-2 SITES FOR CONFIRMATORY SAMPLING:		6			
F AREA REMAINING SITES REGULATED UNDER OTHER AUTHORITIES (RL Category 5)							
NO SITES LISTED							
F AREA REMAINING SITES RECOMMENDED FOR NO ACTION (RL Category 6)							
NO SITES LISTED							
F AREA REMAINING SITES RECOMMENDED FOR REJECTION (RL Category 7)							
100-FR-1							
100-FR-1	100-F-5	1717-F Building steam condensate drywell (formerly included 100-F-32)	Accepted	N	ROD Strategy	Rejected	Reclassify to "Rejected"
100-FR-1	100-F-6	1716-FA Temporary construction fuel tanks and pumps (above ground; removed)	Rejected	N		Rejected	Not a waste site
100-FR-1	100-F-8	Steam Condensate French Drains Near 105-F Gate	Accepted	Y	ROD Strategy	Rejected	Reclassify to "Rejected." No hazardous or dangerous wastes
100-FR-1	100-F-17	Chemicals Used at 108-F Building; Chemical Storage Tanks at 108-F	Rejected	N		Rejected	Not a waste site
100-FR-1	100-F-21	100-F Exclusion Area	Rejected	TBD		Rejected	Not a waste site; Site Infrastructure responsibility
100-FR-1	100-F-30	144-F Drywell/French Drain	Rejected	TBD		Rejected	Received runoff from 144-F Building roof drains
100-FR-1	100-F-32	1717-F Building Underground Fuel Tanks (formerly with 100-F-5)	Rejected	N	ROD Strategy	Rejected	Tanks were removed during D&D of 1717-F Building
100-FR-1	116-F-13	1705-F Experimental Garden French Drain (not a French drain)	Rejected	Y	WP; LFI; QRA; FFS; ROD Strategy; FS 1&2	Rejected	Not a waste site; Site Infrastructure responsibility
100-FR-1	132-F-2	144-F, 144-FB Inhalation Laboratory Site	Rejected	N	WP; ROD Strategy	Rejected	Former structure; cleaned, demolished, and removed
		TOTAL 100-FR-1 SITES RECOMMENDED FOR REJECTION:		9			
100-FR-2							
100-FR-2	100-F-1	100-FR-2 Depression	Rejected	N	WSR-96; FFS; ROD Strategy	Rejected	No hazardous or dangerous wastes; WSR Candidate
100-FR-2	600-31	100-F Area Bottle Disposal Site	Accepted	N	FFS; ROD Strategy	Rejected	Reclassify to "Rejected." No hazardous or dangerous wastes.
		TOTAL 100-FR-2 SITES RECOMMENDED FOR REJECTION:		2			
F AREA REMAINING SITES - KEY FACILITIES AND SITES FOR D&D (RL Category 8)							
100-FR-1							
100-FR-1	118-F-8	105-F Reactor Building	Accepted	N	WP	Key Facility	Key facility per Section 8 of the TPA
		TOTAL 100-FR-1 SITES:		1			
100-FR-2							
NO SITES LISTED							
F AREA REMAINING SITES - BURIAL GROUND SITES (RL Category 9)							
100-FR-1							
NO SITES LISTED							
100-FR-2							
100-FR-2	100-F-20	PNL Parallel Pits	Accepted	N	FFS	TBD	Burial Grounds Task Team
100-FR-2	118-F-1	Burial Ground No. 1	Accepted	Y	WP; FFS; ROD Strategy; FS 1&2	TBD	Burial Grounds Task Team
100-FR-2	118-F-2	Burial Ground No. 2	Accepted	Y	WP; FFS; ROD Strategy	TBD	Burial Grounds Task Team
100-FR-2	118-F-3	Burial Ground No. 3	Accepted	Y	WP; FFS; ROD Strategy	TBD	Burial Grounds Task Team
100-FR-2	118-F-5	PNL Sawdust Pit	Accepted	Y	WP; FFS; ROD Strategy; FS 1&2	TBD	Burial Grounds Task Team
100-FR-2	118-F-6	PNL Solid Waste Burial Ground	Accepted	Y	WP; FFS; ROD Strategy; FS 1&2	TBD	Burial Grounds Task Team
100-FR-2	118-F-7	100-F Miscellaneous Hardware Storage Vault	Accepted	Y		TBD	Burial Grounds Task Team

100-F AREA REMAINING SITES - 10/15/97

October 15, 1997
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Operable Unit	WIDS Site Code	Waste Site Name	WIDS Classification	Listed in TPA App. C* (Rev.4)?**	Existing Administrative Record Documentation	Proposed Disposition	Comments
100-FR-2	118-F-9	PNL Rad Site	Accepted	Y	FFS: ROD Strategy	TBD	Burial Grounds Task Team
		TOTAL 100-FR-2 BURIAL GROUND SITES:		8			
F AREA REMAINING SITES "PENDING" (RL Category 10)							
100-FR-1							
100-FR-1	100-F-26	100-F Area Process Sewers and Water Treatment Facility Pipelines	Accepted	TBD	LFI	Pending	Piping potentially contaminated
100-FR-1	126-F-2	183-F Clearwells: Demolition/Inert Landfill	Accepted	Y	WP: ROD Strategy	Pending	Inert landfill for disposal of inert materials from other D&D projects
100-FR-1	182-F	182-F Reservoir	Accepted	N	WP: ROD Strategy	Pending	Inert landfill for disposal of inert materials from other D&D projects
		TOTAL 100-FR-1 PENDING SITES:		3			
100-FR-2							
NO SITES LISTED							

TOTAL 100-F AREA WASTE SITES:	80

ADMINISTRATIVE RECORD DOCUMENTATION
- WP = Work Plan
- LFI = Limited Field Investigation
- QRA = Qualitative Risk Assessment
- FFS = Focused Feasibility Study
- FS 1&2 = 100 Area Feasibility Study, Phases 1 and 2
- ROD Strategy = 100 Area Record of Decision Strategy, 2/8/96
- WSR-96 = Waste Site Reclassification Documentation, FY96

100-H AREA REMAINING SITES - 10/16/97

October 16, 1997
(site-hn.xls)

Operable Unit	Waste Site Code	Waste Site Name	WIDS Classification	Accepted	Decision Document	Decision Document Date	Comments
H AREA SEPTEMBER 1995 ROD SITES (RL Category 1)							
100-HR-1							
100-HR-1	100-H-21	Buried Process Effluent Pipelines	Accepted	TBD	WP; LFI; QRA; FFS; ROD Strategy; FS 1&2	September 1995 IRM ROD	Group 4 Remedial Design
100-HR-1	116-H-1	107-H Liquid Waste Disposal Trench	Accepted	Y	WP; LFI; QRA; FFS; ROD Strategy; FS 1&2	September 1995 IRM ROD	Group 4 Remedial Design
100-HR-1	116-H-2	1608-H Liquid Waste Disposal Trench	Accepted	Y	WP; LFI; QRA; FFS; ROD Strategy; FS 1&2	September 1995 IRM ROD	Group 4 Remedial Design
100-HR-1	116-H-4	Pluto Crib	Accepted	Y	WP; LFI; QRA; FFS; ROD Strategy; FS 1&2	September 1995 IRM ROD	Group 4 Remedial Design This site was excavated to build the 117-H Filter Building
100-HR-1	116-H-7	107-H Retention Basin	Accepted	Y	WP; LFI; QRA; FFS; ROD Strategy; FS 1&2	September 1995 IRM ROD	Group 4 Remedial Design
		TOTAL 100-HR-1 ROD SITES:		5			
100-HR-2							
100-HR-2	100-H-2	116-H-2 Overflow Area and possible Thimble Guide Pipe Burial Pit	Accepted	Y	ROD Strategy	Proximity Site	Group 4 Remedial Design
		TOTAL 100-HR-2 ROD SITES:		1			
H AREA APRIL 1997 ROD AMENDMENT SITES (RL Category 2)							
100-HR-1							
100-HR-1	100-H-5	Sludge Burial Trench	Accepted	TBD	WP; LFI; QRA; FFS; ROD Strategy; FS 1&2	April 1997 ROD Amendment	Group 4 Remedial Design
100-HR-1	100-H-17	Overflow from 1608-H Liquid Waste Disposal Trench	Accepted	TBD	WP; LFI; QRA; FFS; ROD Strategy; FS 1&2	April 1997 ROD Amendment	Group 4 Remedial Design
100-HR-1	116-H-3	105-H Dummy Decontamination French Drain	Accepted	Y	WP; LFI; QRA; FFS; ROD Strategy; FS 1&2	April 1997 ROD Amendment	Group 4 Remedial Design
		TOTAL 100-HR-1 ROD AMENDMENT SITES:		3			
100-HR-2							
NO SITES LISTED							
H AREA REMAINING SITES FOR REMEDIAL ACTION (RL Category 3)							
100-HR-1							
100-HR-1	100-H-11	Expansion Box French Drain E	Accepted	N		Remove-Treat-Dispose	Coordinate with D&D of the 105-H Reactor Building
100-HR-1	100-H-12	Suspect Waste Site: Expansion Box French Drain F and Shielding Lead	Accepted	N		Remove-Treat-Dispose	Coordinate with D&D of the 105-H Reactor Building
100-HR-1	100-H-13	Suspect Waste Site: French Drain G	Accepted	N	ROD Strategy	Remove-Treat-Dispose	Coordinate with D&D of the 105-H Reactor Building
100-HR-1	100-H-14	Surface Contamination Zone H	Accepted	N		Remove-Treat-Dispose	Coordinate with D&D of the 105-H Reactor Building
100-HR-1	100-H-22	Unplanned Release, Soil Contaminated by Effluent Line Leakage	Accepted	N	WP; LFI; QRA; FFS	Remove-Treat-Dispose	Expected to be removed with Process Effluent Pipelines
100-HR-1	100-H-24	151-H Electrical Facilities and Laydown Yard	Accepted	TBD		Remove-Treat-Dispose	Under authority of Site Infrastructure Division. EM-70 Group 4 Remedial Design Site: Former ESD B Candidate
100-HR-1	100-H-31	PCB in soil at north side of 105-H Reactor Bldg.	Accepted	TBD		Remove-Treat-Dispose	Coordinate with D&D of the 105-H Reactor Building
100-HR-1	116-H-5	1904-H Outfall Structure	Accepted	Y	WP; LFI; QRA; ROD Strategy; FS 1&2	Remove-Treat-Dispose	Above-ground facility, intact outfall structure
100-HR-1	116-H-9	117-H Crib for drainage of 117-H Filter Building confinement system seal pits	Accepted	Y	WP; LFI; QRA; FFS; FS 1&2; ROD Strategy	Remove-Treat-Dispose	Contaminated below-ground structure; intact Coordinate with D&D
100-HR-1	1607-H2 (124-H-2)	Septic Tank and Drain Field for 182-H 183-H and 190-H Bldgs.	Accepted	Y	WP; LFI; FS 1&2; ROD Strategy	Remove-Treat-Dispose	Contaminated septic system
100-HR-1	1607-H4 (124-H-4)	Septic Tank and Drain Field for 181-H pumphouse	Accepted	N	WP; LFI; FS 1&2; ROD Strategy	Remove-Treat-Dispose	Contaminated septic system; Group 4 Remedial Design
		TOTAL 100-HR-1 SITES FOR REMEDIAL ACTION:		11			
100-HR-2							
NO SITES LISTED							
H AREA REMAINING SITES FOR CONFIRMATORY SAMPLING (RL Category 4)							
100-HR-1							

100-H AREA REMAINING SITES - 10/16/97

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(site-hn.xls)

Operable Unit	WIDS Site Code	Site/Waste Site Name	WIDS Classification	Listed in TPA (Appl. C) (Rev.4)?	Existing Administrative Record Documentation	Proposed Disposition	Comments
100-HR-1	100-H-3	Suspect Waste Site: 1716-H Garage Fuel Tank Site	Accepted	N	ROD Strategy	Confirmatory Sampling	Possible UST. If found, close under WAC 173-360
100-HR-1	100-H-4	1717 H Hot Shop French Drain and Contaminated Storage Unit	Accepted	N	WP; ROD Strategy	Confirmatory Sampling	Former structure demolished in place. radionuclide contamination
100-HR-1	100-H-7	French Drain A	Accepted	N	ROD Strategy	Confirmatory Sampling	CSE-96 Site
100-HR-1	100-H-8	French Drain B	Accepted	N	ROD Strategy	Confirmatory Sampling	CSE-96 Site
100-HR-1	100-H-9	French Drain C	Accepted	N	ROD Strategy	Confirmatory Sampling	CSE-96 Site
100-HR-1	100-H-10	French Drain D	Accepted	N		Confirmatory Sampling	CSE-96 Site
100-HR-1	126-H-2	183-H Clearwells/Disposal Pit	Accepted	Y	ROD Strategy; FS 1&2	Confirmatory Sampling	Solid waste site; Inert Landfill D&D rubble in a former structure demolished in place
100-HR-1	132-H-1	116-H Reactor Exhaust Stack Burial Site	Accepted	Y	WP; LFI; QRA; FFS; ROD Strategy	Confirmatory Sampling	Former structure demolished in place ARCL report exists. Possible soil contamination requires sampling.
100-HR-1	132-H-3	1608-H Waste Water Pumping Station Site	Accepted	Y	WP; LFI; QRA; FFS; ROD Strategy; FS 1&2	Confirmatory Sampling	Former structure demolished in place ARCL report exists Possible soil contamination requires sampling
		TOTAL 100-HR-1 SITES FOR CONFIRMATORY SAMPLING:		9			
		100-HR-2					
100-HR-2	128-H-1	Burning Pit	Accepted	Y	WP; LFI; ROD Strategy	Confirmatory Sampling	CSE-96 Site
100-HR-2	128-H-2	Burning Pit	Accepted	Y	WP; LFI; ROD Strategy	Confirmatory Sampling	CSE-96 Site
100-HR-2	132-H-2	117-H Filter Building Site	Accepted	Y	ROD Strategy	Confirmatory Sampling	Former structure demolished in place. ARCL report exists. Possible soil contamination requires sampling.
100-HR-2	1607-H1	Septic Tank and Drain Field, 124-H-1	Accepted	Y	WP	Confirmatory Sampling	Potentially contaminated septic system
		TOTAL 100-HR-2 SITES FOR CONFIRMATORY SAMPLING:		4			
		H AREA REMAINING SITES REGULATED UNDER OTHER AUTHORITIES (RL Category 5)					
		100-HR-1					
100-HR-1	116-H-6	183-H Solar Evaporation Basins	Accepted	Y	WP; LFI; QRA; FS 1&2	Other Regulatory Programs	RCRA TSD; D&D Project
100-HR-1	1607-H3 (124-H-3)	Septic Tank and Drain Field for 1701-H Badge House, 1709-H Fire Station, and 1720-H Patrol Office	Accepted	Y	WP; FS 1&2	Other Regulatory Programs	Septic system: Close under WAC 247-272-18501
		TOTAL 100-HR-1 SITES UNDER OTHER AUTHORITIES:		2			
		100-HR-2					
100-HR-2	600-151	Dumping Area (pre-Hanford); scattered debris and disturbed vegetation.	Accepted	N		Other Regulatory Programs	Under authority of DOE Site Infrastructure Division. EM-70.
100-HR-2	600-152	Military Septic Tanks	Accepted	N		Other Regulatory Programs	Under authority of DOE Site Infrastructure Division. EM-70
		TOTAL 100-HR-2 SITES UNDER OTHER AUTHORITIES:		2			
		H AREA REMAINING SITES RECOMMENDED FOR NO ACTION (RL Category 6)					
		NO SITES LISTED					
		H AREA REMAINING SITES RECOMMENDED FOR REJECTION (RL Category 7)					
		100-HR-1					
100-HR-1	100-H-6	Suspect Waste Site: Contaminated Ramp	Rejected	N		Rejected	Ecology & RL concurred on "Rejection" 8/8/97 Part of the 105-H Reactor Building
100-HR-1	100-H-18	Stack Emission No. 1	Rejected	N		Rejected	Ecology & RL concurred on "Rejection" 8/8/97 Not a waste site
100-HR-1	100-H-19	Stack Emission No. 2	Rejected	N		Rejected	Ecology & RL concurred on "Rejection" 8/8/97 Not a waste site
100-HR-1	100-H-20	Swallow nests and droppings	Rejected	N		Rejected	Ecology & RL concurred on "Rejection" 8/8/97 Not a waste site
100-HR-1	100-H-26	100-H Exclusion Area	Rejected	TBD		Rejected	Ecology & RL concurred on "Rejection" 8/8/97 Not a waste site; Site Infrastructure responsibility
		TOTAL 100-HR-1 SITES RECOMMENDED FOR REJECTION:		5			
		100-HR-2					

100-H AREA REMAINING SITES - 10/16/97

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Operable Unit	Waste Code	Waste Site Name	Classification	Listed in TPA App. C (Rev.4)?	Administrative Record Documentation	Disposition	Comments
100-HR-2	100-H-15	Suspect Waste Site: Possible Septic Tank & Tile Field	Rejected	TBD		Rejected	Ecology & RL concurred on "Rejection" 8/8/97 Waste site does not exist. Location is part of the 118-H-2 Burial Ground
100-HR-2	100-H-16	Suspect Waste Site: Power House Brine Pit and French Drain	Accepted	TBD		Rejected	Ecology & RL concurred on "Rejection" 8/8/97 Not a waste site
100-HR-2	100-H-27	100-H Area Patrol Headquarters Storm Runoff Ditch	Rejected	N		Rejected	Ecology & RL concurred on "Rejection" 8/8/97 Not a waste site
		TOTAL 100-HR-2 SITES RECOMMENDED FOR REJECTION:		3			
H AREA REMAINING SITES - KEY FACILITIES AND SITES FOR D&D (RL Category 8)							
100-HR-1							
100-HR-1	118-H-6	105-H Reactor Building	Accepted	N	WP	Key Facility	Key facility per Section 8 of the TPA
		TOTAL 100-HR-1 SITES:		1			
100-HR-2							
100-HR-2	100-H-1	105-H Rod Cave	Accepted	Y	ROD Strategy	Coordinate with D&D	Above-ground facility; intact
		TOTAL 100-HR-2 SITES:		1			
H AREA REMAINING SITES - BURIAL GROUND SITES (RL Category 9)							
100-HR-1							
NO SITES LISTED							
100-HR-2							
100-HR-2	118-H-1	100-H Burial Ground No. 1	Accepted	Y	WP; LFI; FFS; ROD Strategy	TBD	Burial Grounds Task Team
100-HR-2	118-H-2	100-H Burial Ground No. 2; H-1 Test Loop Burial Ground	Accepted	Y	WP; LFI; FFS; ROD Strategy; FS 1&2	TBD	Burial Grounds Task Team
100-HR-2	118-H-3	Construction Burial Ground	Accepted	Y	WP; LFI; FFS; ROD Strategy; FS 1&2	TBD	Burial Grounds Task Team
100-HR-2	118-H-4	Ball 3X Burial Ground	Accepted	Y	WP; LFI; FFS; ROD Strategy; FS 1&2	TBD	Burial Grounds Task Team
100-HR-2	118-H-5	105-H Thimble Pit	Accepted	Y	WP; LFI; FFS; ROD Strategy; FS 1&2	TBD	Burial Grounds Task Team
		TOTAL 100-HR-2 BURIAL GROUND SITES:		5			
H AREA REMAINING SITES "PENDING" (RL Category 10)							
100-HR-1							
100-HR-1	100-H-28	100-H Area Process Sewers and Water Treatment Facility Pipelines	Accepted	TBD		Pending	Piping potentially contaminated
		TOTAL 100-HR-1 SITES "PENDING":		1			
100-HR-2							
100-HR-2	126-H-1	184-H Powerhouse Ash Pit; 188-H Ash Disposal Area	Accepted	Y	WP; ROD Strategy	Pending	Solid waste site; Inert Landfill
100-HR-2	128-H-3	100-H Burning Ground #3	Accepted	Y	WP; ROD Strategy	Pending	Solid waste site; Inert Landfill
		TOTAL 100-HR-2 SITES "PENDING":		2			

TOTAL 100-H AREA WASTE SITES: 55

ADMINISTRATIVE RECORD DOCUMENTATION
WP = Work Plan
LFI = Limited Field Investigation
QRA = Qualitative Risk Assessment
FFS = Focused Feasibility Study
FS 1&2 = 100 Area Feasibility Study, Phases 1 and 2
ROD Strategy = 100 Area Record of Decision Strategy, 2/8/96
WSR-96 = Waste Site Reclassification Documentation, FY96

100-K AREA REMAINING SITES - 10/25/97

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[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
K AREA SEPTEMBER 1995 ROD SITES (RL Category 1)							
NO SITES LISTED							
K AREA APRIL 1997 ROD AMENDMENT SITES (RL Category 2)							
100-KR-1							
100-KR-1	116-K-1	Crib/Trench	Accepted	Y	WP; LFI; QRA; FFS; ROD Strategy; FS 1&2	April 1997 ROD Amendment	Group 4 Remedial Design
100-KR-1	116-K-2	Process Effluent Trench; 100-K Mile Long Trench	Accepted	Y	WP; LFI; QRA; FFS; ROD Strategy; FS 1&2	April 1997 ROD Amendment	Group 4 Remedial Design
100-KR-1	116-KE-4	107-KE Retention Basin	Accepted	Y	WP; LFI; QRA; FFS; ROD Strategy; FS 1&2	April 1997 ROD Amendment	Group 4 Remedial Design
100-KR-1	116-KW-3	107-KW Retention Basin	Accepted	Y	WP; LFI; QRA; FFS; ROD Strategy; FS 1&2	April 1997 ROD Amendment	Group 4 Remedial Design
		TOTAL 100-KR-1 ROD AMENDMENT SITES:		4			
100-KR-2							
100-KR-2	100-K-1	119-KW Sample Building French Drain	Accepted	Y	WP; LFI; QRA; FFS; ROD Strategy; FS 1&2	April 1997 ROD Amendment	Group 4 Remedial Design
100-KR-2	100-K-55	100-KW Reactor Process Effluent Pipelines	Accepted	Y	WP; LFI; QRA; FFS; ROD Strategy; FS 1&2	April 1997 ROD Amendment	Group 4 Remedial Design
100-KR-2	100-K-56	100-KE Reactor Process Effluent Pipelines	Accepted	Y	WP; LFI; QRA; FFS; ROD Strategy; FS 1&2	April 1997 ROD Amendment	Group 4 Remedial Design
100-KR-2	116-KE-1	115-KE Condensate Crib	Accepted	Y	WP; LFI; QRA; FFS; ROD Strategy; FS 1&2	April 1997 ROD Amendment	Group 4 Remedial Design
100-KR-2	116-KE-2	1706-KER Waste Crib	Accepted	Y	WP; LFI; QRA; FFS; ROD Strategy; FS 1&2	April 1997 ROD Amendment	Group 4 Remedial Design
100-KR-2	116-KE-3	105-KE Storage Basin French Drain	Accepted	Y	WP; LFI; QRA; FFS; ROD Strategy; FS 1&2	April 1997 ROD Amendment	Group 4 Remedial Design
100-KR-2	116-KW-1	115-KW Condensate Crib	Accepted	Y	WP; LFI; QRA; FFS; ROD Strategy; FS 1&2	April 1997 ROD Amendment	Group 4 Remedial Design
100-KR-2	116-KW-2	105-KW Storage Basin French Drain	Accepted	Y	WP; LFI; QRA; FFS; ROD Strategy; FS 1&2	April 1997 ROD Amendment	Group 4 Remedial Design
		TOTAL 100-KR-2 ROD AMENDMENT SITES:		8			
K AREA REMAINING SITES FOR REMEDIAL ACTION (RL Category 3)							
100-KR-1							
NO SITES LISTED							
100-KR-2							
100-KR-2	100-K-14	183-KE Acid Neutralization Pit and Overflow French Drain	Accepted	Y		Remove-Treat-Dispose	Former ESD B Candidate
100-KR-2	100-K-18	183-KW Caustic Neutralization Pit	Accepted	N		Remove-Treat-Dispose	Group 4 Remedial Design Site
100-KR-2	100-K-34	183-KW Acid Neutralization Pit	Accepted	N		Remove-Treat-Dispose	Group 4 Remedial Design Site; Former ESD B Candidate
100-KR-2	100-K-53	100-KE Glycol Heat Recovery underground pipelines	Accepted	TBD		Remove-Treat-Dispose	Contaminated pipelines
100-KR-2	100-K-54	100-KW Glycol Heat Recovery underground pipelines	Accepted	TBD		Remove-Treat-Dispose	Contaminated pipelines
100-KR-2	120-KE-1	Acid Neutralization Pit near 120-KE-4 and 5	Accepted	Y	WP; FFS; ROD Strategy; FS 1&2	Remove-Treat-Dispose	Former ESD B Candidate (alias 100-K-26)
100-KR-2	120-KE-2	183-KE Filter Waste Facility French Drain	Accepted	Y		Remove-Treat-Dispose	Group 4 Remedial Design Site; Former ESD B Candidate
100-KR-2	120-KW-1	Acid Neutralization Pit Near 120-KW-3 & 4	Accepted	Y	WP; FFS; ROD Strategy; FS 1&2	Remove-Treat-Dispose	Group 4 Remedial Design Site (alias 100-K-17); Former ESD B Candidate
100-KR-2	120-KW-2	183-KW Filter Water Facility French Drain	Accepted	Y		Remove-Treat-Dispose	Group 4 Remedial Design Site; Former ESD B Candidate
		TOTAL 100-KR-2 SITES FOR REMEDIAL ACTION:		9			
K AREA REMAINING SITES FOR CONFIRMATORY SAMPLING (RL Category 4)							
100-KR-1							
NO SITES LISTED							
100-KR-2							
100-KR-2	100-K-13	French Drain west of 166-KW oil storage tank	Accepted	N	FFS; ROD Strategy	Confirmatory Sampling	Received "grey water" from temporary construction facilities

100-K AREA REMAINING SITES - 10/25/97

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Operable Unit	WIDS Site Code	Waste Site Name	WIDS Classification	Listed in TPA App. C (Rev.4)?	Administrative Record Documentation	Proposed Disposition	
100-KR-2	100-K-29	183-KE Sandblast Area	Accepted	N		Confirmatory Sampling	Under Authority of DOE Spent Fuels Division, EM-60
100-KR-2	100-K-30	183-KE Sulfuric Acid Tank Site (West)	Accepted	Y		Confirmatory Sampling	CSE-96 Site
100-KR-2	100-K-31	183-KE Sulfuric Acid Tank Site (East)	Accepted	Y		Confirmatory Sampling	CSE-96 Site
100-KR-2	100-K-32	183-KW Sulfuric Acid Tank Site (East)	Accepted	Y		Confirmatory Sampling	CSE-96 Site
100-KR-2	100-K-33	183-KW Sulfuric Acid Tank Site (West)	Accepted	Y		Confirmatory Sampling	CSE-96 Site
100-KR-2	100-K-35	183-KE Acid Neutralization Pit	Accepted	N		Confirmatory Sampling	Under Authority of DOE Spent Fuels Division, EM-60
100-KR-2	100-K-36	1706KE Chemical Storage Facility Dry Well	Accepted	Y		Confirmatory Sampling	Under Authority of DOE Spent Fuels Division, EM-60
100-KR-2	100-K-46	119-KE French Drain	Accepted	TBD		Confirmatory Sampling	Under Authority of DOE Spent Fuels Division, EM-60
100-KR-2	100-K-48	100-KE Oil Contamination Areas	Accepted	TBD		Confirmatory Sampling	CERCLA / MTCA Petroleum Hydrocarbon Contaminated Site
100-KR-2	100-K-49	100-KW Oil Contamination Areas	Accepted	TBD		Confirmatory Sampling	CERCLA / MTCA Petroleum Hydrocarbon Contaminated Site
100-KR-2	120-KE-3	183-KE Filter Water Facility Trench for sulfuric acid sludge.	Accepted	Y		Confirmatory Sampling	CSE-96 Site. Sludge was removed. site cannot be found.
100-KR-2	120-KE-6	183-KE Former Sodium Dichromate Tank Site	Accepted	Y	WP; ROD Strategy; FS 1&2	Confirmatory Sampling	Possible chromate contamination in soil.
100-KR-2	120-KW-5	183-KW Former Sodium Dichromate Storage Tank Site	Accepted	Y	WP; ROD Strategy; FS 1&2	Confirmatory Sampling	Possible chromate contamination in soil.
100-KR-2	130-K-2	Former location of 1717-K Waste Oil Storage Tank	Accepted	Y	WP; ROD Strategy; FS 1&2	Confirmatory Sampling	CSE-96 Site. Soil believed to be contaminated.
100-KR-2	130-KE-1	Former location of 105-KE Emergency Diesel Oil Storage Tank	Accepted	Y	WSR-96; WP; ROD Strategy; FS 1&2	Confirmatory Sampling	UST was removed. Soil contains radioactive contamination.
100-KR-2	130-KW-1	Former location of 105-KW Emergency Diesel Oil Storage Tank	Accepted	Y	WSR-96; WP; ROD Strategy; FS 1&2	Confirmatory Sampling	UST was removed. Soil may be contaminated.
100-KR-2	600-29	100-K Construction Lay-down Area; Surface Chemical Dumping Site	Accepted	Y		Confirmatory Sampling	46 acre area containing solid waste and discolored soil sites
100-KR-2	UPR-100-K-1	100-KE Fuel Storage Basin leak (UN-100-K-1)	Accepted	Y		Confirmatory Sampling	Under Authority of DOE Spent Fuels Division, EM-60
		TOTAL 100-KR-2 SITES FOR CONFIRMATORY SAMPLING:		19			
K AREA REMAINING SITES REGULATED UNDER OTHER AUTHORITIES (RL Category 5)							
100-KR-1							
NO SITES LISTED							
100-KR-2							
100-KR-2	100-K-50	Active Facility; 1725K & 1726K Sanitary Sewer System Holding Tank	Accepted	TBD		Other Regulatory Programs	Under Authority of DOE Spent Fuels Division, EM-60
100-KR-2	100-K-51	RCRA 90-day waste accumulation area	Accepted	TBD		Other Regulatory Programs	Under Authority of DOE Spent Fuels Division, EM-60
100-KR-2	116-KE-6A	1706-KE Condensate Collection Tank	Accepted	N	WP; ROD Strategy; FS 1&2	Other Regulatory Programs	RCRA TSD facility. Under authority of EM-30/EM-65.
100-KR-2	116-KE-6B	1706-KE Evaporation Tank	Accepted	N	WP; ROD Strategy; FS 1&2	Other Regulatory Programs	RCRA TSD facility. Under authority of EM-30/EM-65.
100-KR-2	116-KE-6C	1706-KE Waste Accumulation Tank	Accepted	N	WP; ROD Strategy; FS 1&2	Other Regulatory Programs	RCRA TSD facility. Under authority of EM-30/EM-65.
100-KR-2	116-KE-6D	1706-KE Ion Exchange Column	Accepted	N	WP; ROD Strategy; FS 1&2	Other Regulatory Programs	RCRA TSD facility. Under authority of EM-30/EM-65.
100-KR-2	1607-K1 (124-K-1)	Active Septic Tank and Drain Field for badgehouse, patrol change room, offices	Accepted	Y	WSR-96; WP; FFS; ROD Strategy; FS 1&2	Other Regulatory Programs	Under Authority of DOE Spent Fuels Division, EM-60
100-KR-2	1607-K2 (124-KE-1)	Active Septic Tank and Drain Field for 183-KE Water Treatment Plant	Accepted	Y	WP; FFS; FS 1&2	Other Regulatory Programs	Under Authority of DOE Spent Fuels Division, EM-60
100-KR-2	1607-K3 (124-KW-2)	Inactive Septic Tank and Drain Field at 183-KW Water Treatment Plant	Accepted	Y	WP; FFS; FS 1&2	Other Regulatory Programs	FDH Responsibility
100-KR-2	1607-K4 (124-K-2)	Active Septic Tank and Drain Field for offices and maintenance shop	Accepted	Y	WP; FFS; FS 1&2	Other Regulatory Programs	Under Authority of DOE Spent Fuels Division, EM-60
100-KR-2	1607-K5 (124-KE-2)	Active Septic Tank and Drain Field for laboratories and KE Reactor Bldg	Accepted	Y	WP; FFS; FS 1&2	Other Regulatory Programs	Under Authority of DOE Spent Fuels Division, EM-60
100-KR-2	1607-K6 (124-KW-1)	Active Septic Tank and Drain Field for KW Reactor Bldg. and other facilities	Accepted	Y	WP; FFS; FS 1&2	Other Regulatory Programs	Under Authority of DOE Spent Fuels Division, EM-60
		TOTAL 100-KR-2 SITES UNDER OTHER AUTHORITIES:		12			
K AREA REMAINING SITES RECOMMENDED FOR NO ACTION (RL Category 6)							

100-K AREA REMAINING SITES - 10/25/97

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Operable Unit	WIDS Site Code	Waste Site Name	Classification	Listed in TPA App. C (Rev.4)	Existing Administrative Record Documentation	Proposed Disposition	Comments
NO SITES LISTED							
K AREA REMAINING SITES RECOMMENDED FOR REJECTION (RL Category 7)							
100-KR-1							
NO SITES LISTED							
100-KR-2							
100-KR-2	100-K-7	165-KE Ethylene Glycol Tanks	Rejected	Y	WSR-96	Rejected	EPA & RL concurred on "Rejection" 10/1/97. Under Authority of DOE Spent Fuels Division, EM-60
100-KR-2	100-K-8	165-KW Ethylene Glycol Tanks	Rejected	Y	WSR-96	Rejected	EPA & RL concurred on "Rejection" 10/1/97. Removed & Clean: WSR Candidate
100-KR-2	100-K-9	118-KE-2 Control Rod Storage Cave French Drain (North)	Rejected	Y	ROD Strategy	Rejected	Part of an intact facility. Received only rainwater runoff.
100-KR-2	100-K-10	118-KE-2 Control Rod Storage Cave French Drain (South)	Rejected	Y	ROD Strategy	Rejected	Part of an intact facility. Received only rainwater runoff.
100-KR-2	100-K-11	118-KW-2 Control Rod Storage Cave French Drain (North)	Rejected	Y		Rejected	Part of an intact facility. Received only rainwater runoff.
100-KR-2	100-K-12	118-KW-2 Control Rod Storage Cave French Drain (South)	Rejected	Y		Rejected	Part of an intact facility. Received only rainwater runoff.
100-KR-2	100-K-39	118-KE-3 Filter Crib (Probably does not exist)	Rejected	TBD		Rejected	EPA & RL concurred on "Rejection" 10/1/97. Not a waste site
100-KR-2	100-K-44	100-K Exclusion Areas	Rejected	TBD		Rejected	EPA & RL concurred on "Rejection" 10/1/97. Not a waste site; Site Infrastructure responsibility
100-KR-2	100-K-52	Former 1706-KE Wet Fish Studies Laboratory (now a storage room).	Rejected	TBD		Rejected	EPA & RL concurred on "Rejection" 10/1/97. Under Authority of DOE Spent Fuels Division, EM-60
100-KR-2	130-K-1	Former location of 1717-K Gasoline Storage Tank	Rejected	Y	WSR-96; VP; ROD Strategy; FS 1&2	Rejected	EPA & RL concurred on "Rejection" 10/1/97. UST Removed & Clean: WSR Candidate
100-KR-2	130-K-3	Former location of 182-K Emergency Diesel Oil Storage Tank	Rejected	Y	WSR-96; WP; ROD Strategy; FS 1&2	Rejected	EPA & RL concurred on "Rejection" 10/1/97. UST Removed & Clean: WSR Candidate
100-KR-2	600-4	Howitzer Site	Accepted	Y		Rejected	EPA & RL concurred on "Rejection" 10/1/97. No hazardous waste or asbestos
100-KR-2	600-55	Paved area and collapsed structure	Accepted	Y	FFS	Rejected	EPA & RL concurred on "Rejection" 10/1/97. No hazardous waste or asbestos.
		TOTAL 100-KR-2 SITES RECOMMENDED FOR REJECTION:		**13**			
K AREA REMAINING SITES - KEY FACILITIES AND SITES FOR D&D (RL Category 8)							
100-KR-1							
NO SITES LISTED							
100-KR-2							
100-KR-2	100-K-3	1706-KE Fish Pond Valve Pit and Heat Exchanger Pit	Accepted	Y	ROD Strategy	Coordinate with D&D	Suspected soil contamination beneath an intact facility
100-KR-2	100-K-4	706-KE Wet Fish Studies Laboratory, Fish Pond, Aquatic Life Tanks/Biology Troughs	Accepted	Y	ROD Strategy	Coordinate with D&D	Suspected soil contamination beneath an intact facility
100-KR-2	100-K-5	1705-KE French Drain	Accepted	Y	FFS; ROD Strategy	Coordinate with D&D	Suspected soil contamination beneath an intact facility
100-KR-2	100-K-6	105-KE Vacuum Pit, Cyclone Separator	Accepted	Y	ROD Strategy	Listed D&D Project Site	Contaminated below-ground structure; intact
100-KR-2	100-K-15	183-KW Liquid Alum Storage Tank, West	Rejected	N		Coordinate with D&D	Intact facility
100-KR-2	100-K-16	183-KW Liquid Alum Storage Tank (East)	Rejected	N		Coordinate with D&D	Intact facility
100-KR-2	100-K-19	183-KW Caustic Soda Storage Tank	Accepted	N		Coordinate with D&D	Intact facility
100-KR-2	100-K-20	183-KW Sodium Silicate Tank (West)	Rejected	N	WSR-96	Coordinate with D&D	Intact facility on site. WSR candidate
100-KR-2	100-K-21	183-KW Sodium Silicate Tank (East)	Rejected	N	WSR-96	Coordinate with D&D	Intact facility on site. WSR candidate
100-KR-2	100-K-22	183-KE Sodium Silicate Tank (West)	Rejected	N	WSR-96	Coordinate with D&D	Intact facility on site. WSR candidate
100-KR-2	100-K-23	183-KE Sodium Silicate Tank (East)	Rejected	N	WSR-96	Coordinate with D&D	Intact facility on site. WSR candidate.
100-KR-2	100-K-24	183-KW Bauxite Tank	Rejected	N	WSR-96	Coordinate with D&D	Intact facility on site. WSR candidate

100-K AREA REMAINING SITES - 10/25/97

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(site-kn.xls)

Operable Unit	WIDS Site Code	Waste Site Name	WIDS Classification	Listed in TPA Tri-Party Agr. Ch. (Rev.4)?	Supporting Administrative Record Documentation	Disposition	Comments
100-KR-2	100-K-25	183-KE Caustic Neutralization Pit	Accepted	N		Coordinate with D&D	Part of an intact facility
100-KR-2	100-K-27	183-KE Caustic Soda Storage Tank	Accepted	N		Coordinate with D&D	Intact facility
100-KR-2	100-K-28	183-KE Bauxite Tank	Rejected	N	WSR-96	Coordinate with D&D	Intact facility on site WSR candidate
100-KR-2	100-K-37	1706KE Sulfuric Acid Tank	Accepted	Y	FFS; ROD Strategy	Coordinate with D&D	Under Authority of DOE Spent Fuels Division, EM-60
100-KR-2	100-K-38	1706KE Caustic Tank	Accepted	Y		Coordinate with D&D	Under Authority of DOE Spent Fuels Division, EM-60
100-KR-2	100-K-42	105-KE Fuel Storage Basin; Irradiated Fissile Material Storage	Rejected	Y		Coordinate with D&D	Under Authority of DOE Spent Fuels Division, EM-60
100-KR-2	100-K-43	105-KW Fuel Storage Basin; Irradiated Fissile Material Storage	Rejected	TBD		Coordinate with D&D	Under Authority of DOE Spent Fuels Division, EM-60
100-KR-2	116-KE-5	150-KE Heat Recovery Station	Accepted	N	WP; FFS; ROD Strategy	Listed D&D Project Site	Above-ground facility; intact
100-KR-2	116-KW-4	150-KW Heat Recovery Station	Accepted	N	WP; FFS; ROD Strategy	Listed D&D Project Site	Above-ground facility; intact
100-KR-2	118-KE-1	105-KE Reactor Building	Accepted	N	WP	Key Facility	Key facility per Section 8 of the TPA
100-KR-2	118-KW-1	105-KW Reactor Building	Accepted	N		Key Facility	Key facility per Section 8 of the TPA
100-KR-2	118-KE-2	105-KE Horizontal Control Rod Storage Cave	Accepted	N	WP; ROD Strategy; FS 1&2	Listed D&D Project Site	Above-ground facility; intact
100-KR-2	118-KW-2	105-KW Horizontal Control Rod Storage Cave	Accepted	N	WP; ROD Strategy; FS 1&2	Listed D&D Project Site	Above-ground facility; intact
100-KR-2	120-KE-4	183-KE1 Sulfuric Acid Storage Tank	Accepted	N		Coordinate with D&D	Above-ground facility; intact. CSE-96 Site.
100-KR-2	120-KE-5	183-KE2 Sulfuric Acid Storage Tank	Rejected	N		Coordinate with D&D	Above-ground facility; intact
100-KR-2	120-KE-6	165-KE Brine Pit	Accepted	Y	WP; ROD Strategy; FS 1&2	Coordinate with D&D	Under Authority of DOE Spent Fuels Division, EM-60
100-KR-2	120-KE-9	165-KE Brine Pit	Accepted	Y	WP; ROD Strategy; FS 1&2	Coordinate with D&D	Intact below-ground facility
100-KR-2	120-KW-3	183-KW1 Sulfuric Acid Storage Tank	Accepted	N	WP; ROD Strategy; FS 1&2	Coordinate with D&D	Above-ground facility; intact
100-KR-2	120-KW-4	183-KW2 Sulfuric Acid Storage Tank	Accepted	N		Coordinate with D&D	Above-ground facility; intact CSE-96 Site.
100-KR-2	120-KW-6	165-KW Brine Pit	Accepted	Y	WP; ROD Strategy; FS 1&2	Coordinate with D&D	Intact below-ground facility
100-KR-2	120-KW-7	183-KW Brine Pit	Accepted	Y	WP; ROD Strategy; FS 1&2	Coordinate with D&D	Intact below-ground facility
100-KR-2	126-KE-2	183-KE Liquid Alum Storage Tank #2	Accepted	N	WP; ROD Strategy; FS 1&2	Coordinate with D&D	Under Authority of DOE Spent Fuels Division, EM-60
100-KR-2	126-KE-3	183-KE Liquid Alum Storage Tank #1	Rejected	N	WP; ROD Strategy; FS 1&2	Coordinate with D&D	Under Authority of DOE Spent Fuels Division, EM-60
100-KR-2	130-KE-2	166-KE Oil Storage Tank. Large concrete storage tank.	Accepted	Y	WP; ROD Strategy; FS 1&2	Listed D&D Project Site	UST; Close under WAC 173-360
100-KR-2	130-KW-2	166-KW Oil Storage Tank Large concrete storage tank.	Accepted	Y	WP; ROD Strategy	Listed D&D Project Site	UST; Close under WAC 173-360
100-KR-2	132-KE-1	116-KE Reactor Exhaust Stack	Accepted	N	WP; ROD Strategy	Coordinate with D&D	Above-ground facility; intact reactor exhaust stack
100-KR-2	132-KW-1	116-KW Reactor Exhaust Stack	Accepted	N	WP; ROD Strategy	Coordinate with D&D	Above-ground facility; intact reactor exhaust stack
		TOTAL 100-KR-2 SITES:		39			
K AREA REMAINING SITES - BURIAL GROUND SITES (RL Category 9)							
100-KR-1							
NO SITES LISTED							
100-KR-2							
100-KR-2	100-K-2	Sludge Burial Ground (alias 118-K-2)	Accepted	Y	FFS	TBD	Burial Grounds Task Team
100-KR-2	118-K-1	100-K Burial Ground (118-K)	Accepted	Y	WP; FFS; ROD Strategy; FS 1&2	TBD	Burial Grounds Task Team
		TOTAL 100-KR-2 BURIAL GROUND SITES:		2			
K AREA REMAINING SITES "PENDING" (RL Category 10)							
100-KR-1							
100-KR-1	116-K-3	1904-K Outfall Structure; 1908-K Outfall Structure	Accepted	Y	WP	Pending	Under Authority of DOE Spent Fuels Division, EM-60
		TOTAL 100-KR-1 PENDING SITES:		1			
100-KR-2							

100-K AREA REMAINING SITES - 10/25/97

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(ste-kn.xls)

Operable Unit	WIDS Site Code	Waste Site Name	WIDS Classification	Listed in TPA App. C (Rev.4)?	Existing Administrative Record Documentation	Proposed Disposition	Comments
100-KR-2	100-K-47	1904-K Process Sewer (except 100-K-60)	Accepted	N		Pending	Under Authority of DOE Spent Fuels Division. EM-60
100-KR-2	100-K-60	1904-K Process Sewer (165-KW Bldg. to south of manhole #3)	Accepted	N		Pending	Piping potentially contaminated
100-KR-2	126-K-1	100-K Demolition Inert Landfill	Accepted	Y	WP; FFS; ROD Strategy; FS 1&2	Pending	Solid waste site: Inert Landfill
100-KR-2	128-K-1	100-K Burning Pit	Accepted	Y	WP; FFS; ROD Strategy; FS 1&2	Pending	Solid waste site: Inert Landfill
100-KR-2	128-K-2	100-K Construction Dump & Burning Pit	Accepted	Y		Pending	Solid waste site: Inert landfill
			TOTAL 100-KR-2 PENDING SITES:	5			

TOTAL 100-K AREA WASTE SITES: 112

ADMINISTRATIVE RECORD DOCUMENTATION
- WP = Work Plan
- LFI = Limited Field Investigation
- QRA = Qualitative Risk Assessment
- FFS = Focused Feasibility Study
- FS 1&2 = 100 Area Feasibility Study, Phases 1 and 2
- ROD Strategy = 100 Area Record of Decision Strategy, 2/8/96
- WSR-96 = Waste Site Reclassification Documentation, FY96

[illegible]	[illegible]	[illegible]	[illegible]	Listed in TPA Appendix (Rev. 4)	[illegible]	[illegible]	[illegible]
100-IU-2 ROD SITES (RL Category 1)							
NO SITES LISTED							
100-IU-2 ROD AMENDMENT SITES (RL Category 2)							
NO SITES LISTED							
100-IU-2 SITES FOR REMEDIAL ACTION (RL Category 3)							
NO SITES LISTED							
100-IU-2 SITES FOR CONFIRMATORY SAMPLING (RL Category 4)							
100-IU-2	600-5	Waste Oil Dump; Asphalt Heliport	Accepted	N	Focus Package Scoping Category 4	Confirmatory Sampling	Possible soil contamination from oil
100-IU-2	600-52	White Bluffs Surface Basin	Accepted	N	Focus Package Scoping Category 5	Confirmatory Sampling	Received waste water from ice house and Pickling Acid Crib.
100-IU-2	600-99	J. A. Jones #2	Accepted	Y	Focus Package Scoping Category 4	Confirmatory Sampling	Insufficient data
100-IU-2	600-120	Spare Parts Burn Pit	Accepted	N	Focus Package Scoping Category 4	Confirmatory Sampling	Possible contamination from oils and solvents
100-IU-2	600-124	Burn Site and Paint Disposal Area	Accepted	N	Focus Package Scoping Category 4	Confirmatory Sampling	Possible lead contamination from paint
100-IU-2	600-127	Fuel Storage Area	Accepted	N	Focus Package Scoping Category 4	Confirmatory Sampling	Petroleum product contamination
100-IU-2	600-128	Oil and Oil Filter Dump Site	Accepted	N	Focus Package Scoping Category 4	Confirmatory Sampling	Probable oil contamination
100-IU-2	600-131	Special Fabrication Shop and Warehouse	Accepted	N	Focus Package Scoping Category 4	Confirmatory Sampling	Possible oil and other chemical contamination
100-IU-2	600-132	Construction Contractor Shop Landfill	Accepted	N	Focus Package Scoping Category 4	Confirmatory Sampling	Potential for radioactive waste, oils, and solvents
100-IU-2	600-135	Spare Parts Machine Shop Landfill	Accepted	N	Focus Package Scoping Category 4	Confirmatory Sampling	No spills or hazardous materials known. Possible asbestos contamination from transite.
100-IU-2	600-139	Automotive Repair Shop	Accepted	N	Focus Package Scoping Category 4	Confirmatory Sampling	Probable lead and oil products contamination
100-IU-2	600-176	White Bluffs Paint Disposal Area	Accepted	N	Focus Package Scoping Category 4	Confirmatory Sampling	Possible lead contamination from paint
100-IU-2	600-181	White Bluffs Oil Dump	Accepted	N	Focus Package Scoping Category 4	Confirmatory Sampling	Oil contamination
100-IU-2	600-188	White Bluffs Waste Disposal Trench 2	Accepted	N	Focus Package Scoping Category 4	Confirmatory Sampling	Buldging drums and chemical or oil dumping
100-IU-2	600-189	White Bluffs Warehouse Facility French Drains	Accepted	N	Focus Package Scoping Category 4	Confirmatory Sampling	No spills or hazardous materials known. Possible asbestos contamination from transite.
100-IU-2	600-190	White Bluffs Warehouse Tar / Paint Disposal Area	Accepted	N	Focus Package Scoping Category 4	Confirmatory Sampling	Possible oil and paint contamination
100-IU-2	600-199	White Bluffs Ash Covered Concrete Pad	Accepted	N	Focus Package Scoping Category 4	Confirmatory Sampling	Building foundation and coal ash; Possible asbestos contamination from transite
100-IU-2	600-201	White Bluffs Paint and Solid Waste Disposal Site	Accepted	N	Focus Package Scoping Category 4	Confirmatory Sampling	Possible lead contamination from paint
100-IU-2	628-1	White Bluffs Burn Pit	Accepted	Y	Focus Package Scoping Category 4	Confirmatory Sampling	Possible hazardous materials
		TOTAL 100-IU-2 SITES FOR CONFIRMATORY SAMPLING:		**19**			
100-IU-2 SITES REGULATED UNDER OTHER AUTHORITIES (RL Category 5)							
100-IU-2	600-98	East White Bluffs City Landfill (EWBCL)	Accepted	Y	Focus Package Scoping Category 5	Other Regulatory Programs	Pre-Hanford Landfill
100-IU-2	600-100	White Bluffs Landfill (alias 600-119)	Accepted	N	Focus Package Scoping Category 5	Other Regulatory Programs	Pre-Hanford Landfill
100-IU-2	600-125	Waste Disposal Trench 1	Accepted	N	Focus Package Scoping Category 5	Other Regulatory Programs	Pre-Hanford Landfill
100-IU-2	600-129	White Bluffs Community Dump Site (Pre-Hanford)	Accepted	Y	Focus Package Scoping Category 4	Other Regulatory Programs	Possible oil products contamination
100-IU-2	600-182	White Bluffs Asbestos Pipe Lagging and Excess Piping	Accepted	N	Focus Package Scoping Category 4	Other Regulatory Programs	Possible asbestos contamination
100-IU-2	600-191	White Bluffs Pre-MED Community Dump Site 2	Accepted	N	Focus Package Scoping Category 4	Other Regulatory Programs	Oil products contamination
		TOTAL 100-IU-2 SITES UNDER OTHER AUTHORITIES:		**6**			

Operable Unit	WIDS Site Code	Basic Site Name	WIDS Classification	Listed in TPA App. C (Rev.4)	Existing Administrative Record Documentation	Proposed Disposition	Comments
100-IU-2 SITES RECOMMENDED FOR NO ACTION (RL Category 6)							
NO SITES LISTED							
100-IU-2 SITES RECOMMENDED FOR REJECTION (RL Category 7)							
100-IU-2	600-121	Coal Ash Piles	Accepted	N	Focus Package Scoping Category 4	Rejected	EPA & RL concurred on "Rejection" 10/6/97 Coal ash site No evidence of hazardous materials
100-IU-2	600-122	White Bluffs Large Fenced Depression	Rejected	N	Focus Package Scoping Category 1	Rejected	EPA & RL concurred on "Rejection" 10/6/97 From Appendix A of the Focus Package
100-IU-2	600-123	Farm Site	Rejected	N	Focus Package Scoping Category 1	Rejected	EPA & RL concurred on "Rejection" 10/6/97. From Appendix A of the Focus Package
100-IU-2	600-126	Small Subsidence	Rejected	N	Focus Package Scoping Category 1	Rejected	EPA & RL concurred on "Rejection" 10/6/97. From Appendix A of the Focus Package
100-IU-2	600-130	American Pipe Company Facilities	Rejected	N	Focus Package Scoping Category 1	Rejected	EPA & RL concurred on "Rejection" 10/6/97. From Appendix A of the Focus Package
100-IU-2	600-136	Insulation Warehouses	Rejected	N	Focus Package Scoping Category 1	Rejected	EPA & RL concurred on "Rejection" 10/6/97 From Appendix A of the Focus Package
100-IU-2	600-138	Fumigation Building	Rejected	N	Focus Package Scoping Category 5	Rejected	EPA & RL concurred on "Rejection" 10/6/97. No spills or hazardous materials known
100-IU-2	600-157	White Bluffs Concrete Foundation Pads	Rejected	N	Focus Package Scoping Category 1	Rejected	EPA & RL concurred on "Rejection" 10/6/97. From Appendix A of the Focus Package
100-IU-2	600-158	White Bluffs Ground Storage Tank and Booster Station	Rejected	N	Focus Package Scoping Category 1	Rejected	EPA & RL concurred on "Rejection" 10/6/97. From Appendix A of the Focus Package
100-IU-2	600-159	White Bluffs Bank Well	Rejected	N	Focus Package Scoping Category 1	Rejected	EPA & RL concurred on "Rejection" 10/6/97. From Appendix A of the Focus Package
100-IU-2	600-160	White Bluffs Irrigation Debris	Rejected	N	Focus Package Scoping Category 1	Rejected	EPA & RL concurred on "Rejection" 10/6/97. From Appendix A of the Focus Package
100-IU-2	600-161	White Bluffs Plumbing Debris	Rejected	N	Focus Package Scoping Category 1	Rejected	EPA & RL concurred on "Rejection" 10/6/97. From Appendix A of the Focus Package
100-IU-2	600-162	White Bluffs Pipe Debris/Bucket of Lead	Rejected	N	Focus Package Scoping Category 1	Rejected	EPA & RL concurred on "Rejection" 10/6/97. From Appendix A of the Focus Package
100-IU-2	600-163	White Bluffs Pipe Testing Shop	Rejected	N	Focus Package Scoping Category 1	Rejected	EPA & RL concurred on "Rejection" 10/6/97. From Appendix A of the Focus Package
100-IU-2	600-164	White Bluffs Earth Berm and Trench	Rejected	N	Focus Package Scoping Category 1	Rejected	EPA & RL concurred on "Rejection" 10/6/97. From Appendix A of the Focus Package
100-IU-2	600-165	White Bluffs Valve Box/Subsidence	Rejected	N	Focus Package Scoping Category 1	Rejected	EPA & RL concurred on "Rejection" 10/6/97. From Appendix A of the Focus Package
100-IU-2	600-166	White Bluffs Subsidence	Rejected	N	Focus Package Scoping Category 1	Rejected	EPA & RL concurred on "Rejection" 10/6/97 From Appendix A of the Focus Package
100-IU-2	600-167	White Bluffs Cistern	Rejected	N	Focus Package Scoping Category 1	Rejected	EPA & RL concurred on "Rejection" 10/6/97. From Appendix A of the Focus Package
100-IU-2	600-170	White Bluffs Subsurface Concrete Structure	Rejected	N	Focus Package Scoping Category 1	Rejected	EPA & RL concurred on "Rejection" 10/6/97 From Appendix A of the Focus Package
100-IU-2	600-171	White Bluffs Townsite	Rejected	N	Focus Package Scoping Category 1	Rejected	EPA & RL concurred on "Rejection" 10/6/97 From Appendix A of the Focus Package
100-IU-2	600-172	White Bluffs French Drain or Dry Well	Accepted	N	Focus Package Scoping Category 5	Rejected	EPA & RL concurred on "Rejection" 10/6/97. Steam condensate drain
100-IU-2	600-173	White Bluffs Domestic Debris Dump and Building Foundation	Accepted	N	Focus Package Scoping Category 4	Rejected	EPA & RL concurred on "Rejection" 10/6/97. Domestic debris
100-IU-2	600-174	White Bluffs French Drain	Accepted	N	Focus Package Scoping Category 5	Rejected	EPA & RL concurred on "Rejection" 10/6/97. Steam condensate drain
100-IU-2	600-175	Original Priest Rapids Ice House Drain Field	Accepted	N	Focus Package Scoping Category 5	Rejected	EPA & RL concurred on "Rejection" 10/6/97. Received waste water from ice house

100-IU-2 SITES - 10/6/97

Operable Units	WIDS Site Code	Waste Site Name	WIDS Classification	Listed in TPA Appendix (Rev.4)	Existing Administrative Record Documentation	Proposed Disposition	
100-IU-2	600-177	White Bluffs Pipe Bender and Equipment Dumping Area	Accepted	N	Focus Package Scoping Category 4	Rejected	EPA & RL concurred on "Rejection" 10/6/97. No spills or hazardous materials known.
100-IU-2	600-179	Priest Rapids Ice House	Accepted	N	Focus Package Scoping Category 5	Rejected	EPA & RL concurred on "Rejection" 10/6/97. Site contains buried demolition debris.
100-IU-2	600-180	White Bluffs Suspect Automotive Repair Shop	Accepted	N	Focus Package Scoping Category 4	Rejected	EPA & RL concurred on "Rejection" 10/6/97. No spills or hazardous materials known.
100-IU-2	600-183	White Bluffs Burn Pile and Debris	Accepted	N	Focus Package Scoping Category 4	Rejected	EPA & RL concurred on "Rejection" 10/6/97. No spills or hazardous
100-IU-2	600-184	White Bluffs Townsite Septic System	Accepted	N	Focus Package Scoping Category 5	Rejected	EPA & RL concurred on "Rejection" 10/6/97. Nonresidential septic system.
100-IU-2	600-193	White Bluffs Gas Station	Accepted	N	Focus Package Scoping Category 5	Rejected	EPA & RL concurred on "Rejection" 10/6/97. No spills or hazardous materials known.
100-IU-2	600-194	White Bluffs Main Pipe Fabrication Shop	Accepted	N	Focus Package Scoping Category 5	Rejected	EPA & RL concurred on "Rejection" 10/6/97. No spills or hazardous materials known.
100-IU-2	600-195	White Bluffs Townsite Electrical Substation	Rejected	N	Focus Package Scoping Category 5	Rejected	EPA & RL concurred on "Rejection" 10/6/97. No spills or hazardous materials known.
100-IU-2	600-196	White Bluffs Farm Dump Site and Partially Backfilled Pit	Rejected	N	Focus Package Scoping Category 5	Rejected	EPA & RL concurred on "Rejection" 10/6/97. Pit with no evidence of waste disposal.
100-IU-2	600-198	White Bluffs River Bank Concrete Structure	Rejected	N	WIDS	Rejected	EPA & RL concurred on "Rejection" 10/6/97. No evidence of hazardous materials.
100-IU-2	600-200	Priest Rapids Ice House Septic Tank	Accepted	N	Focus Package Scoping Category 5	Rejected	EPA & RL concurred on "Rejection" 10/6/97. Nonresidential septic system.
100-IU-2	600-203	White Bluffs French Drains	Accepted	N	Focus Package Scoping Category 4	Rejected	EPA & RL concurred on "Rejection" 10/6/97. Received steam condensate.
100-IU-2	600-209	White Bluffs Excess Railroad Tie Materials	Accepted	N	Focus Package Scoping Category 5	Rejected	EPA & RL concurred on "Rejection" 10/6/97. Soil not contaminated.
		TOTAL 100-IU-2 SITES RECOMMENDED FOR REJECTION:		37			

100-IU-2 KEY FACILITIES AND SITES FOR D&D (RL Category 8)

NO SITES LISTED

100-IU-2 BURIAL GROUND SITES (RL Category 9)

NO SITES LISTED

100-IU-2 SITES "PENDING" (RL Category 10)

NO SITES LISTED

TOTAL 100-IU-2 WASTE SITES: 62

ADMINISTRATIVE RECORD DOCUMENTATION

Focus Package = Approach and Plan for Cleanup Actions in the 100-IU-2 and 100-IU-6 Operable Units, DOE/RL-95-108
WSR-96 = Waste Site Reclassification Documentation, FY96

PROPOSED DISPOSITIONS DOCUMENTATION

Scoping Category 1 = Rejected (from Section 4 and Appendix A of the Focus Package)
Scoping Category 2 = No Action (from Section 4 and Tables 1 & 2 of the Focus Package)
Scoping Category 3 = Interim Remedial Action (no sites)
Scoping Category 4 = Confirmatory Sampling or Remove-Treat-Dispose (from Section 4 and Tables 1 & 2 of the Focus Package)
Scoping Category 5 = Confirmatory Sampling (from Section 4 and Tables 1 & 2 of the Focus Package)

100-IU-6 SITES - 10/6/97

October 6, 1997
(site-iu.xls)

Operable Unit	WCS Site # Code	Waste Site Name	Classification	Listed in TPA Agr. (Rev.4)	Documentation		
100-IU-6 ROD SITES (RL Category 1)							
NO SITES LISTED							
100-IU-6 ROD AMENDMENT SITES (RL Category 2)							
NO SITES LISTED							
100-IU-6 SITES FOR REMEDIAL ACTION (RL Category 3)							
100-IU-6	600-149	Small Arms Range	Accepted	N	Focus Package Scoping Category 4	Remove-Treat-Dispose	Lead contamination and unexploded ordnance
		TOTAL 100-IU-6 SITES FOR REMEDIAL ACTION:		1			
100-IU-6 SITES FOR CONFIRMATORY SAMPLING (RL Category 4)							
100-IU-6	600-3	Hanford Townsite Dumping Area and Paint Pit	Accepted	N	Focus Package Scoping Category 4	Confirmatory Sampling	Possible soil contamination from paint cans
100-IU-6	600-107	Cribs at 213-J&K Gable Mtn. Plutonium Storage Vaults	Accepted	Y	WSR-96; Focus Package Scoping Category 2	Confirmatory Sampling	Cribs were surveyed and removed Documentation is not available
100-IU-6	600-108	213-J & K Gable Mountain Plutonium Storage Vaults	Accepted	Y	Focus Package Scoping Category 5	Confirmatory Sampling	Surveyed and released. Documentation is not available
100-IU-6	600-111	P-11 Critical Mass Laboratory	Accepted	Y	Focus Package Scoping Category 4	Confirmatory Sampling	Possible remaining septic tanks and drain field
100-IU-6	600-202	Four Burn and Burial Pits at Hanford Townsite	Accepted	N	Focus Package Scoping Category 4	Confirmatory Sampling	Possible chemical and oil contamination
100-IU-6	600-204	Hanford Townsite Burn and Burial Trench	Accepted	N	Focus Package Scoping Category 4	Confirmatory Sampling	Possible chemical and oil contamination
100-IU-6	600-208	Hanford Construction Camp Boiler House Ponds	Accepted	N	Focus Package Scoping Category 5	Confirmatory Sampling	Boiler house waste water ponds. No hazardous materials known.
100-IU-6	UPR-600-16	Fire and contamination spread; UN-600-16	Accepted	Y	Focus Package Scoping Category 4	Confirmatory Sampling	Removed from radiation zone status.
		TOTAL 100-IU-6 SITES FOR CONFIRMATORY SAMPLING:		8			
100-IU-6 SITES REGULATED UNDER OTHER AUTHORITIES (RL Category 5)							
100-IU-6	600-109	Hanford Trailer Camp Landfill (HTCL)	Accepted	Y	Focus Package Scoping Category 5	Other Regulatory Programs	Domestic landfill. No hazardous materials known.
100-IU-6	600-110	Hanford Townsite Landfill (HTL)	Accepted	Y	Focus Package Scoping Category 5	Other Regulatory Programs	Pre-MED Hanford townsite landfill No hazardous materials known
100-IU-6	600-178	213-J and 213-K Guard House Toilet Pit	Accepted	N	Focus Package Scoping Category 5	Other Regulatory Programs	Reclassify as rejected. Toilet pit
100-IU-6	600-186	Hanford Construction Camp Septic Tanks and Sewage	Accepted	N	Focus Package Scoping Category 5	Other Regulatory Programs	Sanitary waste dump site
100-IU-6	600-205	Hanford Townsite Landfill 2	Accepted	N	Focus Package Scoping Category 5	Other Regulatory Programs	Pre-MED Hanford townsite landfill No hazardous materials known
100-IU-6	600-213	Hanford Airport Underground Fuel Storage Tanks	Accepted	N	N/A	Other Regulatory Programs	Tanks have not been found
		TOTAL 100-IU-6 SITES UNDER OTHER AUTHORITIES:		6			
NO SITES LISTED							
100-IU-6 SITES RECOMMENDED FOR NO ACTION (RL Category 6)							
NO SITES LISTED							
100-IU-6 SITES RECOMMENDED FOR REJECTION (RL Category 7)							
100-IU-6	600-20	Tank Cleaning Site	Accepted	N	Focus Package Scoping Category 4	Rejected	EPA & RL concurred on "Rejection" 10/1/97. No spills or hazardous materials known
100-IU-6	600-24	West P-11. Anti-Aircraft Artillery Compound	Accepted	N	Focus Package Scoping Category 5	Rejected	EPA & RL concurred on "Rejection" 10/1/97. Surface debris and building foundations
100-IU-6	600-26	Hanford Townsite Burn Pile	Accepted	N	Focus Package Scoping Category 4	Rejected	EPA & RL concurred on "Rejection" 10/1/97. No spills or hazardous materials known
100-IU-6	600-27	Abandoned monitoring well: Well DC-6; Well 699-50-18C	Accepted	N	Focus Package Scoping Category 4	Rejected	EPA & RL concurred on "Rejection" 10/6/97. No hazardous materials known
100-IU-6	600-50	Hanford construction camp coal yard (101 Building)	Accepted	N	Focus Package Scoping Category 4	Rejected	EPA & RL concurred on "Rejection" 10/1/97. Coal ash site

100-IU-6 SITES - 10/6/97

Operable Unit	WIDS Site Code#	Site Name	Classification	(Rev.1)	Existing Administrative Record Documentation	Proposed Disposition	
100-IU-6	600-168	Hanford Construction Camp Trenches	Rejected	N	Focus Package Scoping Category 1	Rejected	EPA & RL concurred on "Rejection" 10/1/97. From Appendix A of the Focus Package
100-IU-6	600-169	Buckholdt Ranch Toilet Pits, Merriford Ranch Toilet Pits	Rejected	N	Focus Package Scoping Category 1	Rejected	EPA & RL concurred on "Rejection" 10/1/97. From Appendix A of the Focus Package
100-IU-6	600-185	Hanford Construction Camp Honey Dump Site	Accepted	N	Focus Package Scoping Category 5	Rejected	EPA & RL concurred on "Rejection" 10/1/97. Sanitary waste dump site
100-IU-6	600-192	Hanford Construction Camp Fumigation Chamber	Rejected	N	Focus Package Scoping Category 5	Rejected	EPA & RL concurred on "Rejection" 10/1/97. Building and foundation removed. No hazardous materials known.
100-IU-6	600-206	101 Building Graphite Dump Site	Accepted	N	Focus Package Scoping Category 5	Rejected	EPA & RL concurred on "Rejection" 10/1/97. Trash dump. No hazardous materials known.
100-IU-6	600-207	Hanford Construction Camp Powerhouse Ash Pile	Accepted	N	Focus Package Scoping Category 4	Rejected	EPA & RL concurred on "Rejection" 10/6/97. Coal ash site. No hazardous materials known.
100-IU-6	UPR-600-18	Tank Truck Gasoline Spill; UN-600-18	Accepted	Y	Focus Package Scoping Category 2	Rejected	EPA & RL concurred on "Rejection" 10/1/97. Site was cleaned up and cannot be located.
100-IU-6	UPR-600-19	Lime Sulfur Barrel; UN-600-19	Accepted	Y	Focus Package Scoping Category 5	Rejected	EPA & RL concurred on "Rejection" 10/1/97. Barrel rotted spilling lime sulfur on the ground.
		TOTAL 100-IU-6 SITES RECOMMENDED FOR REJECTION:		13			
100-IU-6 KEY FACILITIES AND SITES FOR D&D (RL Category 8)							
NO SITES LISTED							
100-IU-6 BURIAL GROUND SITES (RL Category 9)							
NO SITES LISTED							
100-IU-6 SITES "PENDING" (RL Category 10)							
NO SITES LISTED							

TOTAL 100-IU-6 WASTE SITES: 28

ADMINISTRATIVE RECORD DOCUMENTATION

Focus Package = Approach and Plan for Cleanup Actions in the 100-IU-2 and 100-IU-6 Operable Units, DOE/RL-95-108
WSR-96 = Waste Site Reclassification Documentation, FY96

PROPOSED DISPOSITIONS DOCUMENTATION

Scoping Category 1 = Rejected (from Section 4 and Appendix A of the Focus Package)
Scoping Category 2 = No Action (from Section 4 and Tables 1 & 2 of the Focus Package)
Scoping Category 3 = Interim Remedial Action (no sites)
Scoping Category 4 = Confirmatory Sampling or Remove-Treat-Dispose (from Section 4 and Tables 1 & 2 of the Focus Package)
Scoping Category 5 = Confirmatory Sampling (from Section 4 and Tables 1 & 2 of the Focus Package)

Control Number: 114	300 NPL Agreement/Change Control Form _x_ Change ___ Agreement ___ Information Operable Unit(s): 300-FF-1	Date Submitted: November 18, 1997 Date Approved: 11/20/97

Document Number/Title: 300-FF-1 Remedial Design/Remedial Action Work Plan	Date Document Last Issued: February 1997
Originator: Charlie Johnson	**Phone:** 373-6372

Summary Discussion:

Table C-8 of the 300-FF-1 Remedial Design/Remedial Action Work Plan (RDR/RAWP)(DOE/RL-96-70) identifies collection of 6 samples per waste site for overburden associated with the 618-4 Burial Ground and Landfills 1A, 1B, and 1D. A small pile of overburden material was created during excavation of the 300-44 surface radiation area. It is proposed that collection of two samples from the 300-44 overburden pile is adequate to meet the intent of the referenced document.

Justification and Impact of Change:

Per Section III.2.0 of the RDR/RAWP, separate verification sampling was not needed to confirm cleanup of the small surface radiation area just west of the 618-4 Burial Ground (i.e., 300-44). At the discretion of the project manager, two verification samples were collected from the 300-44 site after remediation as a best management practice to confirm cleanup. Accordingly, collection of two samples from the 300-44 overburden pile is also adequate. The RDR/RAWP does not specifically require sampling of the overburden pile associated with 300-44. However, the RDR/RAWP does require collection of 6 samples from each of two large areas identified for soil stockpiles. Sampling of the large areas was intended after all of the below cleanup level (BCL) soil from the individual waste sites was stockpiled. During excavation activities, in process screening (radiation surveys) were performed as overburden material was removed from 300-44 and stockpiled adjacent to the site. Screening results indicated that contamination levels were below the 300-FF-1 cleanup levels. In addition, radiation surveys that were performed on the final stockpile of overburden also indicated that the contamination levels were below cleanup levels. Approval of this change will result in reduced cost for the sampling and analytical effort associated with the 300-44 overburden without compromising the level of confidence that the overburden material is acceptable for use as backfill.

V.R. Dronen **BHI Project Manager**	**Date** 11/20/97
R.G. Mcleod **DOE Project Manager** Robert G. McLeod	**Date** 11-20-97
N/A – EPA Lead Site **Ecology Project Manager**	**Date**
D.R. Einan **EPA Project Manager**	**Date** 11/20/97

Per Action Plan for Implementation of the Hanford Consent Order and Compliance Agreement Section 9.3

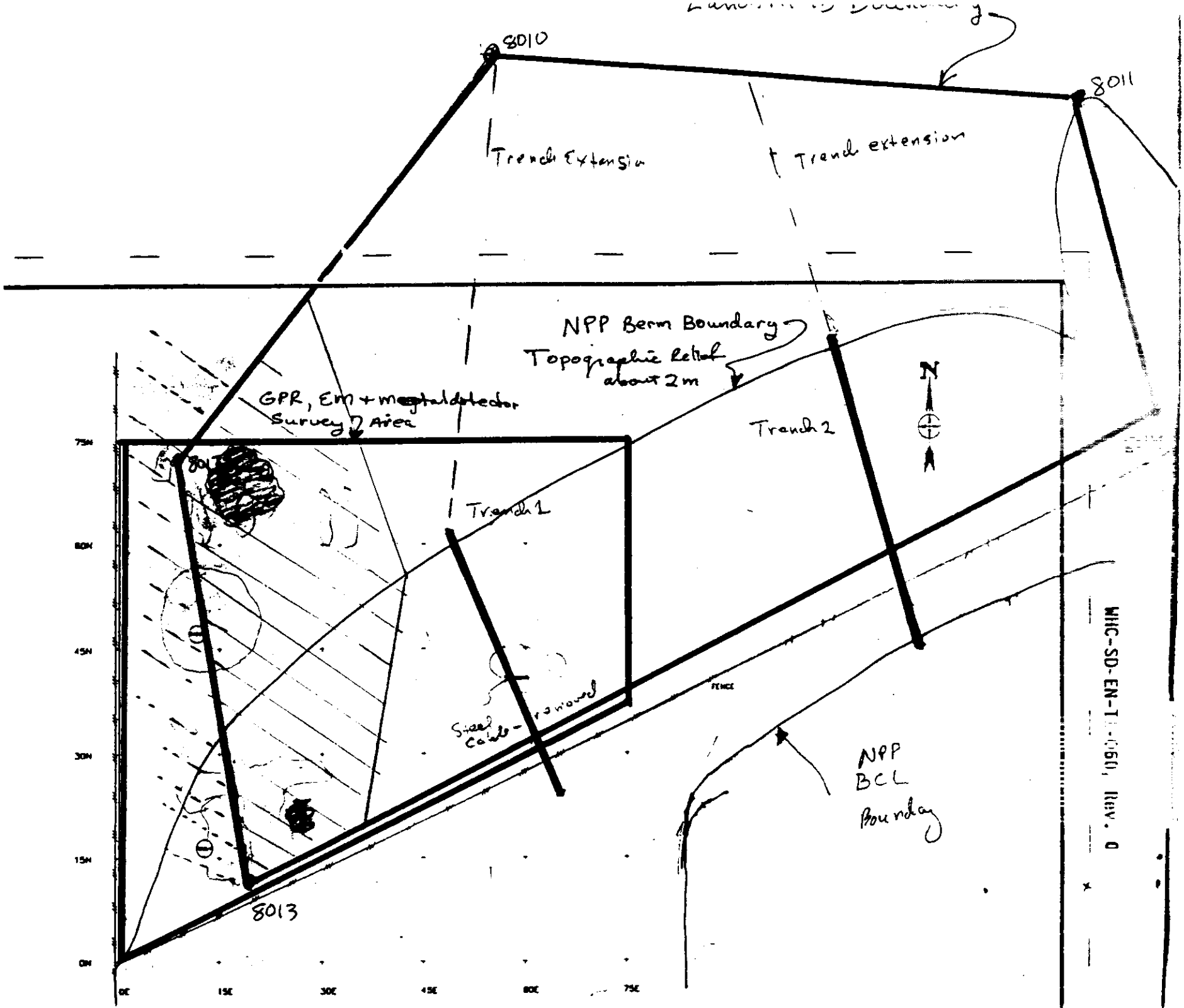
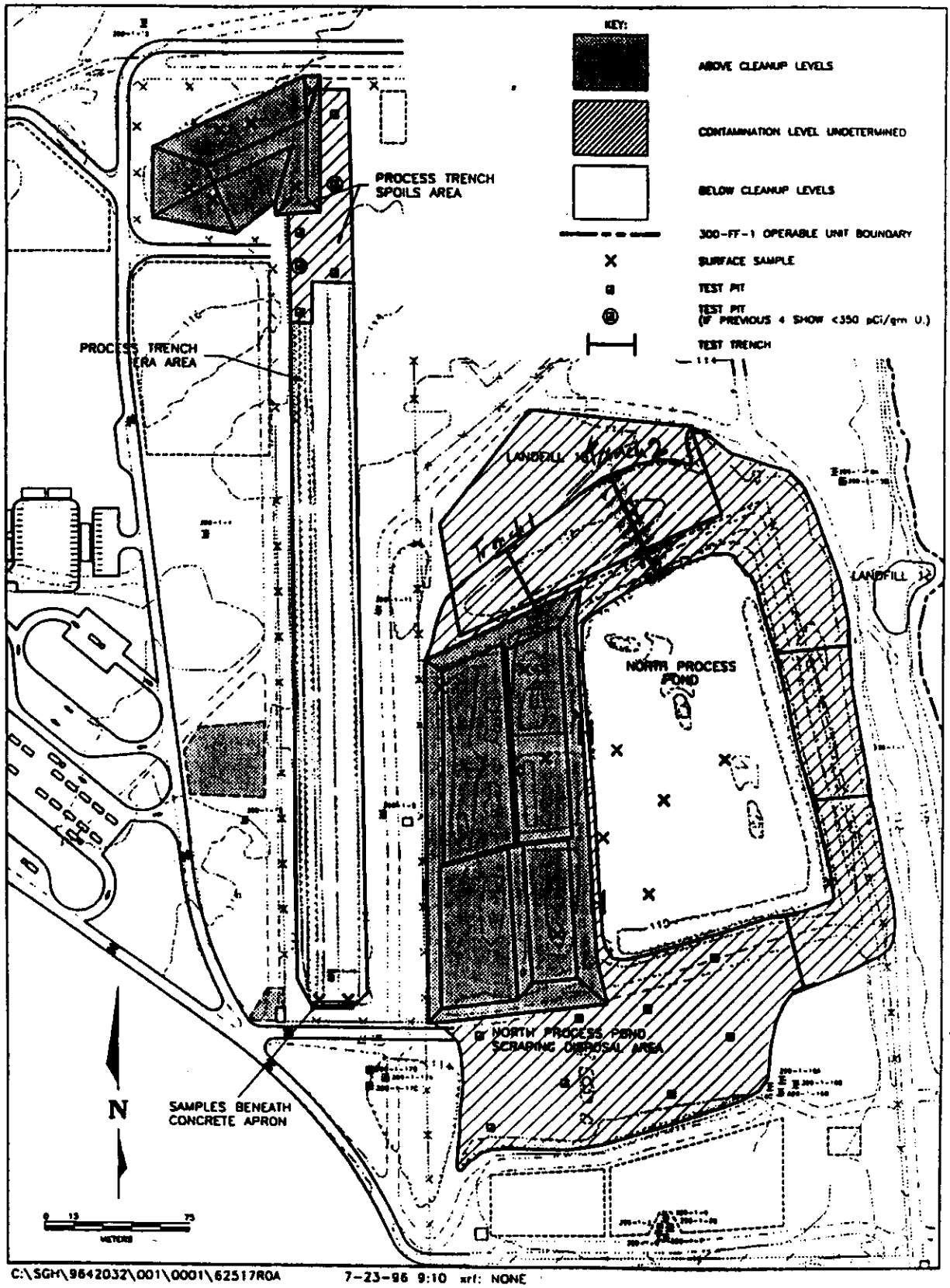

8010
8011
8013
Trench Extension
Trench extension
NPP Berm Boundary
Topographic Relief
about 2m
GPR, EM + magnetometer
Survey Area
Trench 2
Trench 1
N
Steel cable - removed
FENCE
NPP
BCL
Boundary
75N
60N
45N
30N
15N
0N
0E
15E
30E
45E
60E
75E

Figure C-4. Sample Locations in Northern Waste Sites.



NORTH PROCESS POND TEST TRENCH 1 AND 2 VERIFICATION SAMPLE RESULTS

			Trench 1		Trench 2
		location	5E	9E	5F
		field survey (pCi/g)	5.83	nd	11
		RCF total activitiy (pCi/g)	33	38	23
Constituent	***Cleanup Level***	***Unit***	***B0L633***	***B0L635***	***B0L636***
arsenic	219	mg/kg	4.4	7.5 U	7.4 U
thallium	245	mg/kg	3.3	4 U	3.9 U
benzo(a)pyrene	18	mg/kg	0.35 U	0.35 U	0.34 U
chrysene	18	mg/kg	0.35 U	0.35 U	0.34 U
PCBs[a]	17	mg/kg	0.25 U	0.25 U	0.25 U
uranium[b]	350	pCi/g	48.7	74.69	14.4
cobalt-60	footnote c	p/Ci/g	0.02 U	0.02 U	0.02 U

NOTE: U indicates that the constituent was not detected. The associated value is the quantitation limit/minium detectable activity for the sample.

[a] Reported result calculated as a sum of aroclors 1016, 1221, 1232, 1242, 1248, 1254, and 1260.

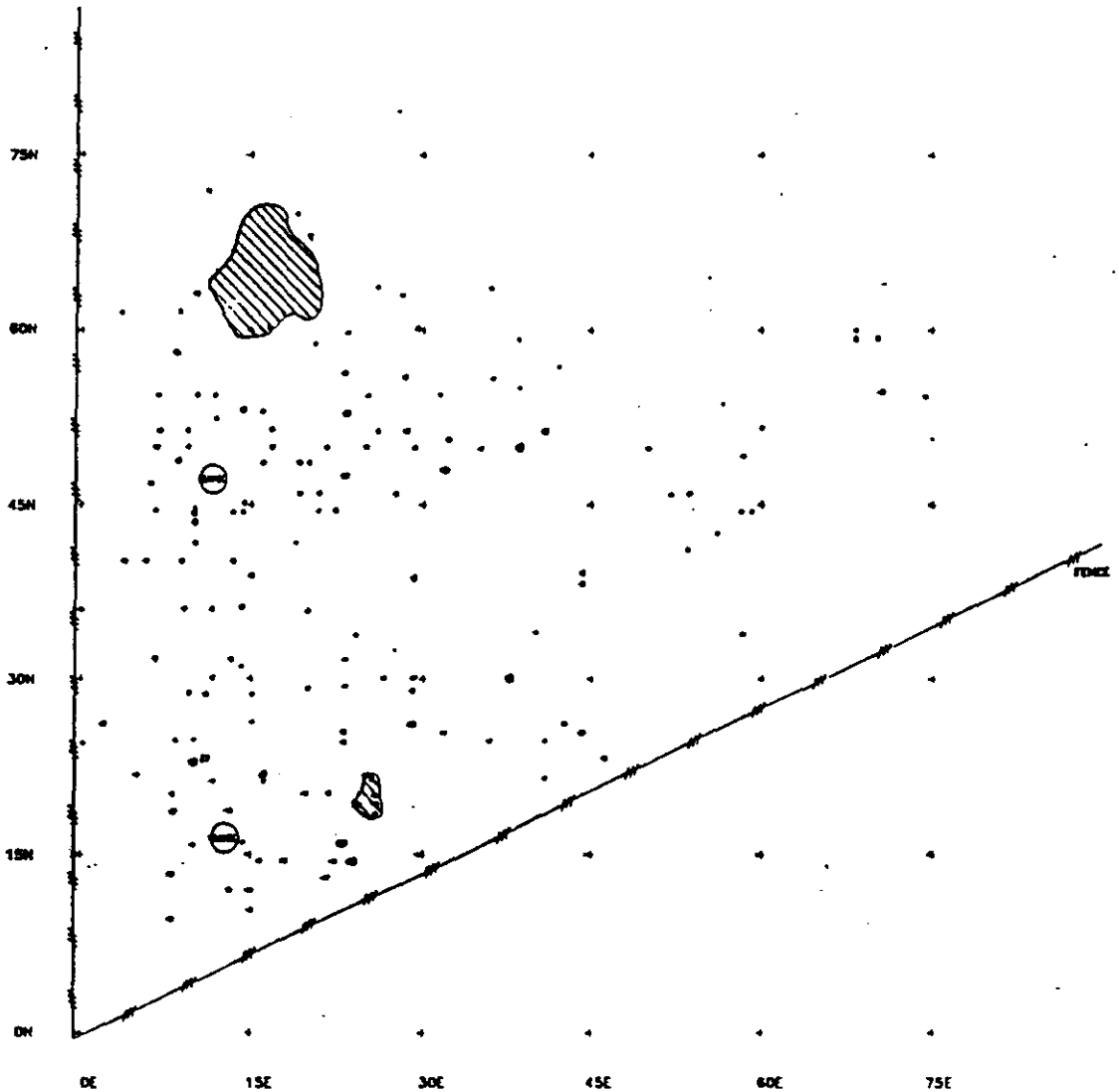
[b] Reported result calculated as a sum of U-234, U-235, and U-238.

NORTH PROCESS POND TEST TRENCH #2

	-1	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
A			nd	2.36	15	104	22	31.32	256.84	95	213.7	88.4	37.4	40.91	14.56	19.31	8.6	10.8	99.8	3.3	5.1
B			nd	3.15	15	15	46	32.63	28.95	119.6	61.6	64.5	46.8	42.7	26.59	69.31	34	12.3	0.8	nd	6.8
C		5.3	nd	4	6	16	16	8.2	11.1	23.2	75.8	53.2	82.9	67.6	42.6	4.09	1.1	3.06	nd	nd	nd
D	nd	nd	nd	4	2	5	8	nd	6.1	nd	1.1	1.3	9.5	8.4	6.8	0.9	3.63	61.14	22.6	nd	nd
E	1.3	nd	1	nd	nd	nd	6		3.9	nd	8.4	10	9.5	6.6	3.2	4.5	4.5	57.01	nd	7.39	nd
F							11 B0L63[redacted]									17.27					nd

NORTH PROCESS POND TEST TRENCH #1

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
A	26.6	28.18	14.2	44.19	98.54	66.25	213.13	122.5	28.3	101.25	70.3	65.6	103.5	110.6	67.1	91.5
B	slough	22.99	7.44	20.96	nd	7.71	8.54	86.25	nd	117.7	219.4	129.4	50.6	40.9	14.1	15.3
C	32.24	41.93	5.63	25.93	nd	nd	13.13	113.96	nd	nd	9.12	53.5	27.6	45.9	9.7	47.6
D	slough	slough	4.73	10.59	nd	21.46	nd	na	nd	nd	29.4	10.5	64.7	50	na	35.6
E	34.04	23.22	24.57	46.89	5.83 B0L633	slough	3.75	0.63	nd B0L635	nd	34.7	21.5	59.1	54.1	40.9	13.5



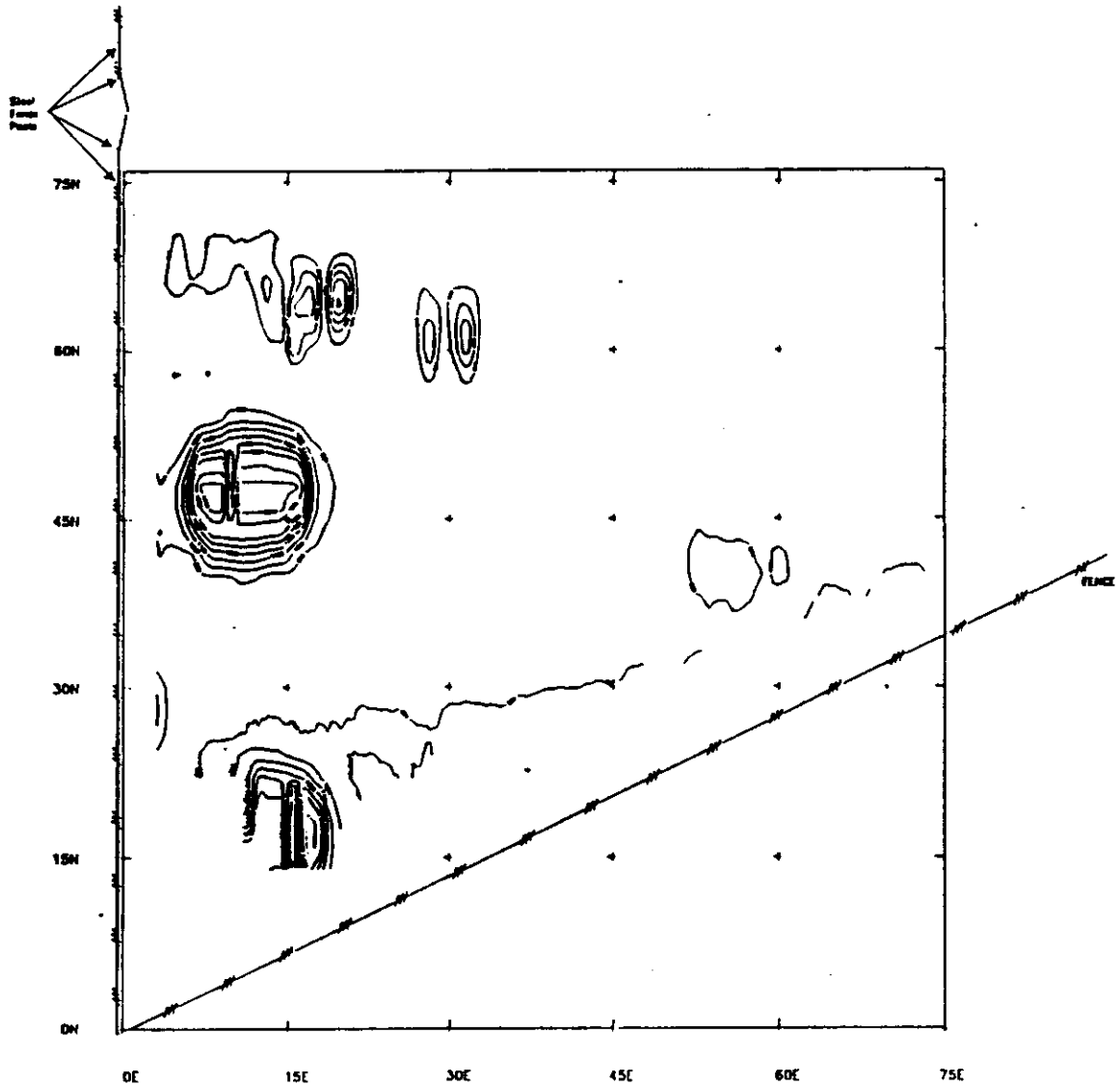
SYMBOLS

Approximate outline of waste deposit.

Detected object. Size of dot suggests size of object.

Depth < 1 meter unless noted.

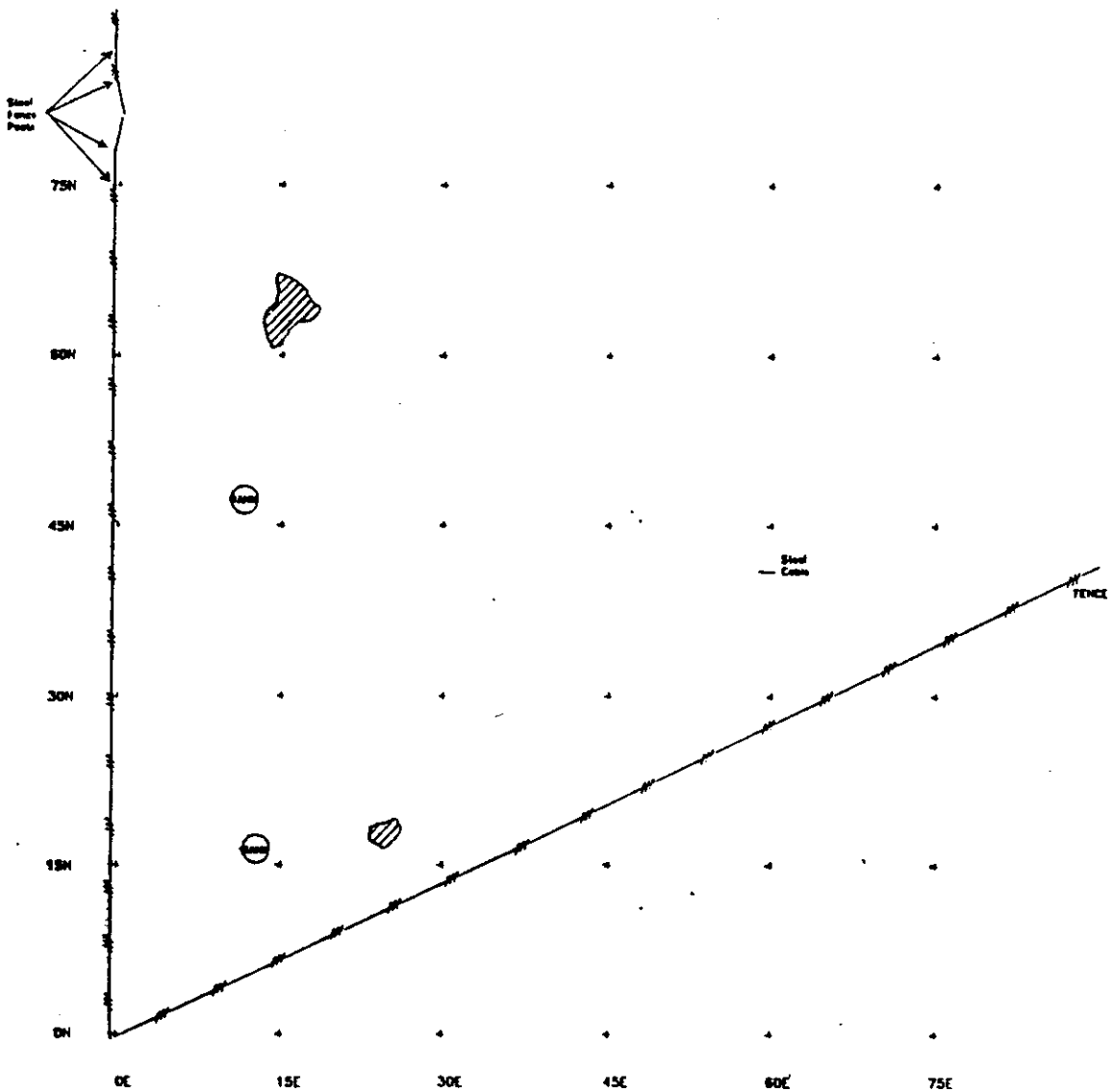
DATE: APR 4, 1992	PACIFIC NORTHWEST LABORATORY OPERATED BY BATTELLE MEMORIAL INSTITUTE
DRAWN: C. V.	Waste Materials Detected by Ground-Penetrating Radar
SCALE: 1 inch = 8 Meters	
FILE NO: 1B.GPR.DRW	
MAP NO: 300-FT1.92-15	OPERABLE UNIT: 300-FT1 / SITE: LFS 1B



Contour Levels
(Digital Units)

-2000	100
-1850	250
-1700	400
-1550	550
-1400	700
-1250	850
-1100	1000
-950	1150
-800	1300
-650	1450
-500	1600
-350	1750
-200	1900
-50	

DATE: MAR 16, 1992	PACIFIC NORTHWEST LABORATORY OPERATED BY BATTELLE MEMORIAL INSTITUTE
DRAWN: C. V. [illegible]	Contour Map Showing EM-31 Response, In-Phase Mode
SCALE: 1 INCH = 8 METERS	
FILE NO 1B_EM_TI.DRW	
MAP NO 300-FF1.92-20	OPERABLE UNIT: 300-FF1 / SITE: LFS 1B



DATE: MAR 13, 1992	PACIFIC NORTHWEST LABORATORY OPERATED BY BATTELLE MEMORIAL INSTITUTE
DRAWN: E. V. [illegible]	Metallic Waste Materials Detected by Metal Detector
SCALE: 1 INCH = 8 METERS	
FILE NO: 1B.MD.DRW	
MAP NO: 300-FF1.92-16	OPERABLE UNIT: 300-FF1 / SITE: LFS 1B

Nonradioactive Air Emissions Notification for the 300 Area Field Screening Support Laboratory

FUMEHOOD.AIR

1.0 INTRODUCTION

Remedial actions are a *Comprehensive Environmental Response, Compensation, and Liability Act* (CERCLA) program activity. Best Available Control Technology for Toxics (T-BACT) and quantification of toxic emissions has been identified as a substantive requirement (i.e., a relevant and appropriate ARAR), and a T-BACT compliance demonstration is determined by the regulatory agency on a case by case basis. T-BACT is required per WAC 173-460-040. This document presents compliance with those requirements.

2.0 PROJECT DESCRIPTION

Remedial actions are presently ongoing in the 300-FF-1 Operable Unit (OU). In October, 1997 remediation of the 618-4 burial ground and Landfills 1A, 1B, and 1D will be initiated. In support of this activity a field screening laboratory facility has been established in the vicinity of the operations trailers that support these remedial action activities. Included with the field screening laboratory facility is a mobile trailer which contains a fume hood which will be used during preparation and analysis of both radiological and nonradiological screening analyses and sample storage.

Air emissions will be generated from the laboratory standards (reagents and analytes) used for calibration and testing. This facility will be considered a toxic air pollution emission unit.

The air emissions from this facility are based on the chemical quantities processed annually. Quantities of standards and reagents used during analysis were obtained from the laboratory inventory list which is provided in Table 1 of this document.

2.1 Location

The field screening laboratory facility is located within the 300-FF-2 OU just to the north of the main operations trailer which is located north of the 300 Area. The support operations trailers, frisking tent, decontamination station, weigh station, and mobile laboratories supporting remedial actions are all located in the 300-FF-2 OU, adjacent to the 300-FF-1 OU, due to the physical requirements for these facilities.

2.2 Responsible Manager

The BHI 300 Area Task Lead for this activity is C. R. Johnson (373-6372). The DOE/RL unit manager for the 300-FF-1 OU is R. G. McLeod (372-0096). The U.S. Environmental Protection

Agency (EPA) is the lead regulatory agency for this operable unit. The EPA unit manager for the 300-FF-1 OU is D. R. Einan (376-3883). The Washington State Department of Ecology representative for this operable unit is T. A. Wooley (736-3012).

3.0 ESTIMATED EMISSIONS

Emissions of air pollutants listed in WAC 173-460, "Controls for New Sources of Toxic Air Pollutants", were determined for this facility using the inventory of stocked chemicals. Only chemicals that had a potential to be emitted to the atmosphere were listed on the inventory list (Table 1).

For purposes of this estimate it is recognized that trichloroethylene (TCE), 1,2-dichloroethylene (DCE), and tetrachloroethylene (PCE) were found in the 618-4 burial ground during soil gas surveys as maximum concentrations of 15.6 ppm, 0.3 ppm, and 4.0 ppm, respectively. Since soil samples potentially containing these volatile organic compounds (VOCs) are to be analyzed in the field screening facility these contaminants have been included in the air emission calculations and are identified in Table 2.

The emission rates were calculated based on inventory data, user estimates, and process knowledge. For this estimate it is assumed that 100% of the inventory listed on Table 1 will generate the emission listed in Table 3. Example calculations are shown in Attachment A.

3.1 Toxic Air Pollutants

The facility emission information identifies toxic air pollutants (TAPs). The solvent usages were determined from laboratory estimates and inventories and process knowledge. Emissions were estimated by assuming 100% of the chemicals volatilized. It is recognized that this is an overestimate, with the exception of propane. The estimate in the analysis for the Environmental Analytical Laboratory (EAL) documented in DOE/RL-95-33 assumed that only 30% of the chemicals were volatilized. Table 3 shows the results of these calculations compared to the appropriate small quantity emission (SQE) rates and acceptable source impact levels (ASILs), except for ammonium hydroxide, hydrofluoric acid, and propane, which were not listed in the tables. All TAPs are within the SQE table except for these three constituents. However, these three constituents were considered as volatile organic compounds (VOCs) and their expected emission rates were included in the total VOC expected emissions (0.038 lb/day), which is well below the 3 lb/day diminimis level (Attachment B). Therefore, a Best Available Control Technology (BACT) analysis would not be required for the pollutants identified in the SQE table.

For those constituents not listed in the SQE table, a preliminary review was conducted for applicable control technologies. As discussed previously in the emissions calculations for the Environmental Analytical Laboratory (EAL) documented in DOE/RL-95-33 activated carbon adsorption was considered as a feasible control technology. This technology is capable of achieving a VOC removal efficiency of 97.0%. A rough order magnitude cost estimate for the use of activated carbon adsorption control technology concluded that this technology was economically infeasible for the EAL. The facility that will operate in the 300 Area is similar but much smaller, and will operate for a much shorter duration. Based on this information, no controls are proposed for this 300 Area facility.

4.0 STACK INFORMATION

All analyses utilizing the toxic air pollutants identified are conducted in the referenced fume hood which is located in the sample preparation trailer. The fume hood as originally constructed contains no control systems and exhausts directly to the atmosphere through an approximate six inch diameter pipe from the hood. The hose from a high-efficiency particulate air (HEPA) vacuum unit will be routed through the outlet of the hood (which will be sealed around the hose) and be positioned at a point in the working space of the hood to act as a single point capture source for any fumes released during the sample preparation or analysis process. The vacuum unit when being used will be located inside the sample preparation trailer, unless noise levels require the unit to be placed outdoors. When not in use the exposed end of the hose will be sealed and the vacuum unit will be stored in the sample trailer.

5.0 SCHEDULE INFORMATION

The normal operational hours of this facility will be 5 days per week, 8 hours per day. It is assumed that approximately 5 samples per day will be analyzed. The duration of the remedial actions at the 618-4 burial ground and Landfills 1A, 1B, and 1D is projected to be approximately 6 months.

This facility will be capable of operating to support remediation activities 24 hours per day, 365 days per year, if required. Should remedial actions require more time, or a decision to continue use of the field screening laboratory to support other operable unit waste site activities is made, there will be no impact, provided that annual SQE/ASIL limits are not exceeded. The schedule should not be considered a limitation on the laboratory's ability to operate in support of 300 Area cleanup operations. Therefore, this facility may operate beyond normal operating hours on an as-needed basis.

Table 1 - Inventory List.

Chemical	Quantity of Chemical (L)/		Density of Chemical (g/ml)	Total Weight/Year	
	6 months	1 year[a]		g/yr	lb/yr
Acetic Acid	0.05	0.10	1.05	105.0	0.23
Ammonium Hydroxide	0.05	0.10	0.898	89.8	0.20
Bromine water	0.05	0.10	1.01	101.0	0.22
Ethanol (Ethyl Alcohol)	0.05	0.10	0.79	79.0	0.17
Hexane	0.10	0.20	0.66	132.0	0.29
Hydrochloric Acid	0.125	0.25	1.19	297.5	0.66
Hydrofluoric Acid	0.05	0.10	1.00	100.0	0.22
Hydrogen Peroxide	0.05	0.10	1.00	100.0	0.22
Methanol (Methyl Alchol)	1.00	2.00	0.79	1580.0	3.48
Nitric Acid	0.05	0.10	1.51	151.0	0.33
Propane	2.00	4.00	0.51	2040.0	4.50

[a] For purposes of calculating the quantity used for one year the equivalent of 2 HAZCAT kits has been used.

Table 2 - Volatile Organic Compounds Predicted in Burial Ground Soil Samples.

Chemical	Density of Chemical (g/ml)
1,2-Dichloroethylene (DCE)	1.27
Trichloroethylene (TCE)	1.46
Tetrachloroethylene (PCE)	1.63

Table 3 - Toxic Air Pollutants Emission Estimates.

Chemical	SQE/ASIL (lb/year)	Emissions	
		lb/year	lbs/hour
CLASS A			
1,2-Dichloroethylene (DCE)	SQE 10 ASIL 3.8E-02 ug/m^3	1.90E-06	9.1 E-10
Trichloroethylene (TCE)	SQE 50 ASIL 0.59 ug/m^3	8.94E-05	4.3 E-08
Tetrachloroethylene (PCE)	SQE 500 ASIL 1.1 ug/m^3	2.29E-05	1.1 E-08
CLASS B			
Acetic Acid	SQE 10,500 ASIL 83 ug/m^3	0.23	1.1E-04
Bromine Water[a]	SQE 175 ASIL 2.2 ug/m^3	0.22	1.1E-04
Ethanol (Ethyl Alcohol)	SQE 43,748 ASIL 6300 ug/m^3	0.17	8.2E-05
Hexane	SQE 22,750 ASIL 200 ug/m^3	0.29	1.4E-04
Hydrogen Peroxide	SQE 175 ASIL 4.7 ug/m^3	0.22	1.1E-04
Methanol (Methyl Alcohol)	SQE 43,748 ASIL 870 ug/m^3	3.48	1.7E-03
Nitric Acid	SQE 1.75 ASIL 17 ug/m^3	0.33	1.6E-04
NOT LISTED			
Ammonium Hydroxide	SQE Not Applicable ASIL Not Listed	0.20	9.6E-05
Hydrofluoric Acid	SQE Not Applicable ASIL Not Listed	0.22	1.1E-04
Propane	SQE Not Applicable ASIL Not Listed	4.50	2.2E-03
	TOTAL	9.86 lb/year[b]	4.9E-03 lbs/hour

[a] Assumed equivalent to bromine.

[b] Equivalent to 0.038 lb/day if 260 days/year of operation are assumed.

SQE = small quantity emission (WAC 173-460-080)

ASIL = acceptable source impact level (WAC 173-460-160)

ATTACHMENT A

SUPPORTING CALCULATIONS

SUPPORTING CALCULATIONS

300 Area Field Screening Support Laboratory Potential Air Emissions Calculations:

By: Larry C. Hulstrom

Date: October 13, 1997

OBJECTIVE: Calculate potential air emissions from the 300 Area Field Screening Support Laboratory

HAZCAT KIT AND SAMPLE PREPARATION

ASSUMPTIONS: Emissions were estimated by assuming 100% of the chemicals volatilized. It is recognized that this is an overestimate, with the exception of propane. The estimate in the analysis for the Environmental Analytical Laboratory (EAL) documented in DOE/RL-95-33 assumed that only 30% of the chemicals were volatilized. It is assumed that the contents of one HAZCAT kit will be utilized within a 6 month period, which is the expected duration of the remedial action of these waste sites. For purposes of calculating the quantity used for one year the equivalent of 2 HAZCAT kits has been used. Methanol is utilized as part of the Immonassay kit in addition to the HAZCAT kit. It is used for fluid extraction of soil samples, as well as for small scale chemical reactions with the soil samples.

METHOD: The worse case solvent usage was estimated from current laboratory estimates and inventories (Table 1). Worst case emissions were estimated by assuming that 100% of the chemicals volatilized. The yearly release is therefore the same as the calculated useage quantities found in Table 1. As stated in Section 5.0 it is assumed that the laboratory will operate 5 days per week, 8 hours per day or an equivalent of 260 days per year.

Example:

Solvent Useage/year = 2.0 liter/yr methanol
Density = 0.79 g/ml
1 pound = 453.6 g

2.0 liters/yr x 0.79 g/ml x 1000 ml/liter x 1 pound/453.6 g = 3.48 pounds/yr
3.48 pounds/yr x 1 yr/260 days x 1 day/8 hours = 0.0017 lbs/hr = 1.7 E-03 lbs/yr

FOR VOC'S IN SOIL SAMPLES

ASSUMPTIONS: From the soil gas survey results documented in WHC-MR-0288 it is assumed that approximately 1/4 of the burial ground volume has VOCs that will affect samples taken into the field screening trailer. Assuming that 1/4 of the samples tested have VOCs at a rate of testing

of 5 samples per day equates to 1.25 samples/day or rounded up to 2 samples/day. Assume that each sample is 5 grams (actual sample is probably much less).

METHOD:

2 samples/day x 5 grams/sample x 5 days/week of operation x 52 weeks/year = 2600 grams/year
2600 grams/year = 2.6 kg/yr x 0.4536 lb/kg = 5.73 lb/year of soil samples brought into the lab

From Table 2 and Section 3.0: trichloroethylene (TCE), 1,2-dichloroethylene (DCE), and tetrachloroethylene (PCE) were found in the 618-4 burial ground during soil gas surveys as maximum concentrations of 15.6 ppm, 0.3 ppm, and 4.0 ppm, respectively.

DCE @ 0.33 mg/kg x 2.6 kg/yr = 0.86 mg/yr = 1.9E-06 lb/yr
TCE @ 15.6 mg/kg x 2.6 kg/yr = 40.56 mg/yr = 8.94 E-05 lb/yr
PCE @ 4.0 mg/kg x 2.6 kg/yr = 10.4 mg/yr = 2.29 E-05 lb/yr

lb/yr / 52 week/yr / 5 day/week / 8 hours/day = lb/hour

DCE @ 1.9E-06 lb/yr / 52 week/yr / 5 day/week / 8 hours/day = 9.1 E-10 lb/hour
TCE @ 8.94 E-05 lb/yr / 52 week/yr / 5 day/week / 8 hours/day = 4.3 E-08 lb/hour
PCE @ 2.29 E-05 lb/yr / 52 week/yr / 5 day/week / 8 hours/day = 1.1 E-08 lb/hour

This further assumes that 100% volatilization occurs as the soil samples are heated up as part of the analysis.

ATTACHMENT B

FEBRUARY 24, 1995 MEETING MINUTES REGARDING DIMINIMIS EMISSION LEVELS

MEETING MINUTES

Subject: ROUTINE AIR MEETING -- Ecology/RL/WHC/BHI/PNL

TO: Distribution BUILDING: Federal Building

FROM: Marsha Beery H6-21 CHAIRMAN: S. D. Stites A5-15

Dept-Operation-Component	Area	Shift	Meeting Date	Number Attending
DOE-RL, Office of Environmental Assurance, Permits, and Policy	700	Day	February 24, 1995	15

This meeting was held as a routine technical air meeting which was established to improve communications between RL, Hanford site contractors and Ecology on air issues.

Mr. Joe Witczak, Unit Supervisor for Ecology and Mr. Bob King, Engineer for Ecology were in attendance. The U.S. Department of Energy, Richland Operations Office (RL), Westinghouse Hanford Company (WHC), Battelle - Pacific Northwest Laboratory (PNL), and the Environmental Restoration Contractor (ERC) Team, were represented at the meeting. Key items of discussion are summarized below, under the main agenda headings.

Introductory Remarks; Introductions; Old Business; New Business

Mr. Steve Stites (RL, Office of Environmental Assurance, Permits and Policy) directed the opening remarks for the meeting. At Mr. Stites request, all persons in attendance introduced themselves.

There was no old business to discuss. Under new business, Mr. Joe Witczak indicated that a letter had been drafted from Mr. Joe Stohr at Ecology to Mr. Jim Rasmussen at DOE stating that Ms. JoAnn Chance at Ecology would continue to be the point of contact for the air operating permit issues until the permanent Title V permit writer could be hired. Ecology is currently in the process of hiring that person. Mr. Witczak stated that Ecology would be interviewing candidates for this position the first week of March and should be selecting the candidate by the second week.

Ecology Proposal on the Notification Process for Approving De Minimis Emissions

Mr. Joe Witczak indicated that he had prepared a draft issue paper that contains guidance on how to handle diminimis emissions and radionuclide

particulates under DOH authority. The draft issue paper has been reviewed by staff in the Nuclear Waste and Air Programs and now has to be reviewed by an assistant attorney generals (AAG). Mr. Witczak indicated that he would talk to the AAG next week. Once the AAG approves the issue paper, Mr Witczak will send the final draft to DOH and DOE/WHC for their review and comment. Mr. Witczak stated that this would be an interim diminimis level applicable only at the Hanford site. The interim diminimis levels will be 1 pound per day PM10 (particulates) and 3 pounds per day for volatile organic compounds (VOC). The interim levels will be in effect until the Air Program establishes diminimis levels and then those levels will be applicable at Hanford. The Air Program is planning to have the diminimis levels completed by the end of 1995. For emissions that fall under the diminimis levels, an NOC application and permit will be required but they will be a "reduced" application and permit. The reduced NOC process will not require a BACT analysis but will require certain information for Ecology to make a decision. The NOC permit that will issue from this will be in a letter format. Mr. Bob King felt that the reduced NOC process could be used on the project to clean the tank adjacent to building 2706-T. Nuclear Waste Program is currently working with the Air Program to discontinue having the Air Program cosign the permits. They will continue to provide technical expertise to Nuclear Waste Program.

At this time, the Nuclear Waste Program is only establishing diminimis levels for PM10 and VOCs and not toxic air pollutant sources. For the TAPS, a person will need to look at the small quantity emissions table. If the constituent does not fall in the SQE table, then a T-BACT analysis will need to be done. In this case, the source would not be subject to the reduced NOC process. Mr. Bob King indicated that this is a subject that we need to discuss further.

Proposed Title I Modification Definition - NOC Requires Public Review

Mr. Kirk Peterson, WHC, expressed concern about a response WHC had recently received from Tom Todd in Ecology's Air Quality Program to a question WHC had posed about EPA's amendments to Title I (see attachment). From the response, it is WHC's understanding that EPA is considering amendments that will make any NOC a minor modification subject to public review and reopening of the air operating permit. This would have a big impact on NOCs at Hanford since they could potentially get bogged down in this review process and cause potential delays. Mr. Peterson requested that Nuclear Waste discuss this with the Air Program to see what could be done to reduce this requirement. He also asked if EPA's proposed rule will give Ecology authority to do case-by-case determination of an NOC's applicability to the Title I modification definition based on the NOC's complexity and if Ecology has provided comments to EPA on the proposed amendments. Mr. Bob King indicated that he will talk to the Air Program about this issue and get back to Mr. Steve Stites.

Ecology Response to Question on ASIL Values

At the previous meeting, WHC asked the question, "Can the individual TAP ASIL values be used in lieu of the SQER tables to satisfy the exemption requirements of Chapter 173-460-040 (2)(b)(c)?" Mr. Bob King responded by saying that he would check with the Air Program on this and get back to Steve Stites. At this meeting, Mr. King reiterated what he had told Mr. Stites several weeks ago after he had talked with the Air Program that the answer to the question was "no". Mr. King stated that the reason for this is that the process is reversed. If values are below the SQE tables, then a person does not have to model.

100 N Emergency Dump Basin Cleanout - Discuss BACT Requirements Based on Low Potential Emissions from the Project

Mr. Daryl Schilperoort gave a presentation on the 1300 N Emergency Dump Basin cleanout (see attachment). BHI wants to pump water out of this basin into concrete sumps located in the adjacent 109 N building and then stabilize the basin's carbon steel liner. After the water is pumped out, sediments in the basin will be removed. Mr. Schilperoort indicated that samples of the sludge had been taken and input into the screen model. BHI will incorporate HEPA filtration, when necessary, to prevent potential airborne releases. This will be a short term activity lasting about 2 months. Mr. Schilperoort asked Ecology if a BACT analysis is required since this is a short duration project with low concentration air emissions. Mr. Schilperoort indicated that if a full blown BACT is required, then the project will be delayed. Mr. Bob King asked Mr. Schilperoort to get him the sampling data so that he can evaluate it and get back to him with an answer. Ms. Ella Coenenberg indicated that she would get Mr. King the information by the Monday of next week. Mr. King then said that he would get back to her with a response by the end of next week.

Ecology/PNL Discussion on Receptor Locations

Ms. Kathy Rhoads, PNL, gave a presentation on how receptor locations are selected and what the exposure levels are at these location (see attachment). This presentation was in response to questions Mr. Jerry Simiele raised at the previous meeting, "Is the receptor location selected for demonstrating ambient impact compliance per Chapter 174-460-070 WAC based on occupancy? Should the receptor location be chosen to correspond to established dwellings or businesses where the maximum exposure likely occurs? In the case of chronic releases with corresponding annual ASIL values, should historical meteorology be used to select the maximum exposed receptor location?"

Ms Rhoads indicated that the consequences of exposure between a resident that lives at the site boundary and a nonresident who passes through the site or

works at the site are different. The resident that lives at the site boundary is maximally exposed as opposed the nonresident who is exposed for a short time. Mr. Joe Witczak indicated that Ecology is concerned about human health and not the legal limit for the receptor location. He asked Ms. Rhoads to run an analysis of the exposure to a person working outside at the 200 area for a year. Mr. Bob King asked Mr. Stites to send him the non-radioactive receptor locations.

Other Items

In the previous meeting, Mr. Bob King had asked Mr. Steve Stites to provide him with the number of NOCs that DOE would be submitting in the 1996-1997 fiscal year. Mr. Stites indicated that from ERC there would be 8 low complexity NOCs submitted over the 2 years; for WHC there would be 2 high complexity and 18 low complexity NOCs submitted over the 2 years.

On the EAL project, Mr Joe Nickels, ERC, had submitted information on this project to Mr. Bob King prior to the meeting and asked for feedback on whether or not a T-BACT analysis was required. Mr. King wanted more time to review the information. He indicated that he would get back to Mr. Steve Stites by the end of the week with an answer.

On the 103C project, Ms. Cathy Sowa had submitted information to Ecology prior to this meeting and requested feedback on whether or not a BACT analysis was required. Mr. Bob King indicated that because the emissions on this project would be low, it would qualify to be handled under the reduced NOC process. In this process, a BACT analysis would not be required and the NOC application and permit would be the reduced version. Mr. Joe Witczak reiterated that he needed to get concurrence from the AAG on the draft issue paper on the alternative NOC process. Mr. Witczak thought he would be approval to release the document by next week. Once he has the okay from the AAG (this should happen by March 3), he will contact Mr. Steve Stites.

Action Items from the Meeting

1. Mr. Joe Witczak will get AAG approval on the draft reduced NOC process issue paper next week and provide DOH and WHC with copies to review.

2. Mr. Joe Witczak will check with the Air Program on Mr. Tom Todd's response to WHC's question on title I modifications (see attachment) and get back to WHC with their response.

3. Ms. Ella Coenenberg will provide Mr. Bob King with screen sampling data the first part of next week on the 100 N Emergency Dump Basin Cleanout.

Mr. Bob King will then get back to Ms. Coenenberg by the end of next week with an answer.

4. Ms. Kathy Rhoads will run an analysis of the exposure to a person working outside the 200 area.

5. Mr. Bob King will get back to Mr. Steve Stites by the end of next week with an answer on whether or not a T-BACT analysis is required on the EAL project.

6. Mr. Joe Witczak will get back to Mr. Steve Stites after the AAG approves the draft issue paper (which should be March 3) on whether or not the 103C project qualifies to be handled in the reduced NOC process.

Joe Witczak	Date	Steve Stites	Date

Distribution
Unit Managers' Meeting: Remedial Action Unit/Source Operable Units
100, 200, and 300 Areas

055458

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