

Project Baseline Summary Report

Data Source: EM CDB

Operations/Field Office: Idaho

Site Summary Level: Idaho National Engineering and Environmental Laboratory

Project ID-ER-105 / Power Burst Facility/Auxiliary Reactor Area

Report Number: GEN-01b

Print Date: 3/10/2000

HQ ID: 0168

General Project Information

Project Description Narratives

Purpose, Scope, and Technical Approach:

SUMMARY.....This PBS provides for the assessment and cleanup of the Power Burst Facility/Auxiliary Reactor Area (PBF/ARA) at the INEEL in accordance with the Federal Facility Agreement and Consent Order. Fifty-five sites were assessed with 48 requiring no further action. Waste Area Group 5 must complete the OU 5-12 Comprehensive Record of Decision and proposed plan. The subsequent OU 5-12 Remedial Design/Remedial Action will remediate 7 sites shown to present unacceptable risks to human health and the environment. This includes 1 buried tank containing mixed waste (ARA-16), 1 seepage pit containing mixed waste (ARA-02), and 5 soil sites contaminated with radionuclides or metals. In addition, 3 sites have already been remediated under either interim action or final record of decisions. All activities must be completed safely and in compliance with requirements.

PURPOSE: This PBS provides for the assessment and cleanup of the PBF/ARA, Waste Area Group 5, at the INEEL in accordance with the Federal Facility Agreement and Consent Order. The Federal Facility Agreement and Consent Order is the binding agreement between the Department of Energy (DOE), Environmental Protection Agency, and the State of Idaho to investigate the nature and extent of contamination at the sites. Work at each Operable Unit (OU) includes an assessment of the contaminants, either through field sampling and analysis or records search in what is called the Track 1 or Track 2 process. Depending on the outcome of the assessment, specific sites within the OU may require the next step involving conducting a Risk Assessment with the results documented in a Remedial Investigation/Feasibility Study (RI/FS). Those sites found to be a threat to human health or the environment are studied in the feasibility study to determine the best method for correcting the problem by studying multiple alternatives. At this stage, a Proposed Plan is prepared that informs the public which options are being considered with a recommendation for the preferred alternative. After the public comment period, the final decision is captured in a Record of Decision. The selected alternative then enters the Remedial Design/Remedial Action phase, meaning that the site enters the cleanup stage. All these phases are driven by an enforceable schedule that contains significant penalties if the dates are not met or the actions are not completed. Waste Area Group 5 was divided into 13 OUs, which identify specific past or suspected contaminant releases. These OUs include 55 potential sites located at or near the PBF/ARA and include all the Special Power Excursion Reactor Test (SPERT) facilities. The 13 OUs are in different stages of the process defined above. OU 5-12 has been designed to consider the comprehensive risk of all the Waste Area Group 5 sites and is intended to be the final Record of Decision for Waste Area Group 5. Also non-CERCLA related items such as septic tank remediation required to address future safety concerns are included.

Completion of these activities support the goal of de-listing the INEEL from the National Priorities List (Superfund Site).

DEFINITION OF SCOPE: Current planning includes the evaluation of risks for the two remaining OUs, with Record of Decisions being reached for all OUs, either separately or combined in the Waste Area Group 5 Comprehensive RI/FS Record of Decision in FY-99. This will result in Remedial Design/Remedial Actions for any sites determined to present a risk to human health or the environment. Typical sites include septic tanks containing radioactive mixed wastes, wind blown radioactively contaminated sites, process tanks containing mixed waste and leach ponds containing metals.

TECHNICAL APPROACH: The cleanup effort for the OU 5-13 (PBF Reactor Area, PBF-10 Evaporation Pond, PBF-08 Corrosive Waste Sump etc.) Interim Action entailed the following: removal of the sludge and sediment areas, placement of removed sediments in approved disposal boxes, and

Dataset Name: FY 1999 Planning Data

Date of Dataset: 9/20/1999

Page 1 of 15

Project Baseline Summary Report

Data Source: **EM CDB**

Operations/Field Office: **Idaho**

Site Summary Level: **Idaho National Engineering and Environmental Laboratory**

Project **ID-ER-105 / Power Burst Facility/Auxiliary Reactor Area**

Report Number: **GEN-01b**

Print Date: **3/10/2000**

HQ ID: **0168**

Project Description Narratives

disposal of boxed sediments at the Radioactive Waste Management Complex (RWMC).

Pond sediments were collected using a hand tool and a small "Bobcat" loader. Certified Radioactive Waste boxes were disposed of by RWMC facility operators. Sump sludges were removed and transferred to the Mixed Waste Storage Facility. The OU 5-05/6-01 SL-1/BORAX Record of Decision resulted in a remedial action during 1996, involving consolidation of radiologically contaminated soils followed by placement of engineered covers over the two sites. A CERCLA driven time-critical removal action to remove mixed waste for OU 5-07, ARA-02 septic tanks was conducted in 1996. The ARA-02 waste included radioactive isotopes, PCBs, and organics. ARA-02 waste will be shipped as soon as Oak Ridge lifts the moratorium for shipping solids. Shipment of the waste is anticipated to occur in FY-00. The remaining sites, recommended for further study in the Track 2 process and not addressed by an existing record of decision, will be examined in the OU 5-12 Comprehensive RI/FS scheduled to be completed October 1998. The final determination of which sites need to be cleaned up will be defined in the OU 5-12 Record of Decision with cleanup to follow.

Current or planned remediation activities are NOT dependent upon EM-50 science or technology development initiatives.

Seeded data in the waste module was not provided by the PBS Manager. The data source is AVS, but validation is not possible because the data is entered by waste stream, not PBS.

Project Status in FY 2006:

All investigations and remedial actions for Waste Area Group 5 will be completed. These include:

- * All Track 1 and Track 2 determinations.
- * Record of Decisions and cleanup of OU 5-13, PBF-10 Evaporation Pond, and PBF-08 Corrosive Waste sump.
- * Record of Decision and cleanup of OU 5-05/6-01.
- * SL-1/BORAX consolidation and capping of radiologically contaminated soils
- * Completion of the ARA-02 sludge removal and disposal.
- * Final OU 5-12 Comprehensive RI/FS and Record of Decision identifying the remaining sites requiring cleanup.
- * Cleanup of sites identified by the OU 5-12 Record of Decision. As of February 1997, it appears that 7 sites are retained for additional sampling and analysis. Of these seven sites, one site is known to have hazards, six sites will likely require cleanup.

Post-2006 Project Scope:

Monitoring and maintenance of the SL-1/BORAX Cap and other cleanup sites where waste is left on site that requires institutional care and control. Additional sites, currently in the investigation phase, that may have long term monitoring and maintenance requirements include the ARA-02 septic tanks and the radiologically contaminated soils at ARA-23 and -24, if managed on-site. These long-term items will continue until at least 2031. Other commitments may be made in the OU 5-12 Comprehensive Record of Decision due to be signed by the DOE, Environmental Protection Agency, and the State of Idaho October 1999.

Project End State

Waste Area Group 5 will be remediated in accordance with the INEEL land use plan and the OU 5-12 Record of Decision (residential scenario after

Dataset Name: **FY 1999 Planning Data**

Date of Dataset: **9/20/1999**

Page 2 of 15

Project Baseline Summary Report

Data Source: **EM CDB**

Operations/Field Office: **Idaho**

Site Summary Level: **Idaho National Engineering and Environmental Laboratory**

Project **ID-ER-105 / Power Burst Facility/Auxiliary Reactor Area**

Report Number: **GEN-01b**

Print Date: **3/10/2000**

HQ ID: **0168**

Project Description Narratives

100 years).

End State - The End State reached in FY 2006 will include the completion of:

- * Removal Action at ARA III Leach Pond.
- * Final 2 Track 1 investigations for Waste Area Group 5.
- * Removal action at ARA-02.
- * Final Comprehensive RI/FS for OU 5-12.
- * RI/FS activities through the Record of Decision for OU 5-12 (perform remedial design and initiate remedial action).
- * Remedial Design/Remedial Action cleanup of the Injection Well and Leach Pond at PBF for OUs 5-08 and 5-09.
- * Remedial Design/Remedial Action cleanup of OU 5-06/6-01 SL-1/BORAX.
- * Remedial Design/Remedial Action activities for cleanup for sites identified in the OU 5-12 Record of Decision.
- * Non-CERCLA regulated septic tanks and underground structures safety hazards will be addressed prior to FY 2006.

Completion of the activities contained in this PBS support the goal of deletion of the INEEL from the National Priorities List.

A conceptual vision of the End State in the year 2094 for the INEEL and each of the major facility areas has been defined through a compliance reengineering effort. These End States have not been agreed upon by the regulators, stakeholders, or Tribal Nations. The compliance reengineering project will identify a pathway to achieve concurrence on each End State by the end of FY-98.

Cost Baseline Comments:

The Baseline costs represented here do not include contingency for authorized work packages, but do contain contingency for planning packages. This contingency is removed upon development of detailed work packages. The INEEL Remediation Program has, since 1991, promoted use of the bottoms up/Activity Based Costing (ABC) approach, in the development of planning estimates its Assessment and RD/RA projects. All INEEL Remediation Program cost estimates have been developed using sound technical and planning principles, and are accompanied by basis of estimate documentation intended to demonstrate the rationale and specifics behind the estimates. Bottoms-up estimating, or ABC, wherein the work scope is portrayed down to the task level, is both desired and encouraged, but not always practical.

The basis of estimates include a well defined statement of work, performance measures, products required for completion, products delivered, key support activities, and known milestones, etc., for every level of the program work scope. For work scope with definable milestones and deliverables, the cost estimates are very detailed and more precise. For more subjective work scope, where it is difficult to identify a specific end-product or deliverable, detail is provided to the lowest level possible. In most cases, the clarity of the available scope and associated planning assumptions is a key consideration in determining the specific technique used to develop a particular cost estimate.

The cost estimates associated with this PBS are based on completing the enforceable requirements identified in the Federal Facility Agreement and Consent Order.

NOTE: Costs for FY-01 through the lifecycle of the project used 2.1% compounded annually as the escalation rate.

Dataset Name: **FY 1999 Planning Data**

Date of Dataset: **9/20/1999**

Page 3 of 15

Project Baseline Summary Report

Data Source: **EM CDB**

Operations/Field Office: **Idaho**

Site Summary Level: **Idaho National Engineering and Environmental Laboratory**

Project **ID-ER-105 / Power Burst Facility/Auxiliary Reactor Area**

Report Number: **GEN-01b**

Print Date: **3/10/2000**

HQ ID: **0168**

Project Description Narratives

Safety & Health Hazards:

This project is presently collecting the appropriate data to make risk based decisions regarding future clean up activities through the CERCLA process. In the outyears, remedial actions concerning the INEEL PBF/ARA Closure sites will be performed. Consequently, the necessary safety and health functions required to maintain safe and compliant operations now and in the future are in place and operating properly. The primary hazards associated with the closure of the PBF/ARA sites include low level radiological constituents, organic contaminants, inorganic compounds, and sanitary waste (ensure contaminants are project specific). During remedial actions and maintenance and monitoring activities there will also be a number of industrial safety and industrial hygiene related hazards to address such as slips, trips, and falls; lifting; working on elevated structures; moving equipment; inhalation of dusts; temperature extremes; etc.

Hazard documentation developed includes, but is not limited to, project specific health and safety plans, detailed operating procedures, standard operating procedures, job safety analyses, job hazard analyses, etc. These documents will be developed during the early stages of each project and will determine the methods, procedures, and equipment used during project implementation to reduce hazards to workers and the environment.

Safety & Health Work Performance:

The resources necessary to accomplish the planned work safely and in compliance are identified through the Health and Safety Program requirements as well as the authorization basis discussed previously. Resources allocated at the site to ensure compliance with health and safety requirements, as well as safety on the job include: radcon, safety, industrial hygiene, occupational medical, fire, emergency management, safeguards and security, performance oversight, quality, the Voluntary Protection Program, etc. Safety and health resources are planned and allocated into the appropriate category by cost center through the work breakdown structure and they are loaded into each project for each fiscal year. Institutional support, such as medical facilities and personnel, security, fire protection, etc., are funded out of the financial systems indirect labor adder, and project-specific safety and health professional support (e.g., industrial safety engineer) is identified in specific control account plans where the support is required. The average cost per FTE, burdened, is approximately \$60/hour to \$65/hour for each of the safety professionals identified above. Presently there are no plans to conduct full DOE operational readiness reviews although all projects will undergo a complete evaluation of their readiness to proceed with field activities. Applicable projects will complete unreviewed safety question determinations. Personnel are trained in Stop Work Authority, emergency preparedness procedures, health and safety plans, work plans, integrated safety management, integrated work control, conduct of operations, and conduct of maintenance, etc. Safety, radcon, health, fire, environmental, and quality personnel conduct routine inspections to ensure personnel and the environment are protected. The frequency of these inspections is dependent on the status of each particular project but generally ranges between daily to every other week. During field work the same level of ESH&Q support is required throughout the project. At this time the level of support required of the safety professionals will be reduced significantly and will only be performed during maintenance and monitoring activities. There are currently no unfunded or under funded safety, health, environmental, or quality resource requirements associated with this PBS. Upon completion of remedial actions, and the initiation of institutional controls, the level of safety and health resources required will be reduced to a minimum.

Resource levels vary from fiscal year to fiscal year depending on the extent of sampling and/or remediation activities being performed.

PBS Comments:

Dataset Name: **FY 1999 Planning Data**

Date of Dataset: **9/20/1999**

Page 4 of 15

Project Baseline Summary Report

Data Source: EM CDB

Operations/Field Office: Idaho

Site Summary Level: Idaho National Engineering and Environmental Laboratory

Project ID-ER-105 / Power Burst Facility/Auxiliary Reactor Area

Report Number: GEN-01b

Print Date: 3/10/2000

HQ ID: 0168

Project Description Narratives

WAG 5 has 13 OU s)listed in the FFA/CO, the legal binding document signed by DOE, EPA, and the State of Idaho. Following are a listing of the OU.

* OU 5-01 - Contains 6 sites studied using the Track 1 process. Included in the 6 sites were 4 tanks, 1 drain field and an evaporation pond. Three of the 4 tanks have since been pulled by decontamination and dismantlement and the drain field and evaporation pond were deemed no further action.

The ARA-16 tank contains hazardous waste and will be addressed in the OU 5-12 Comprehensive RI/FS.

* OU 5-02 - Contains 3 sites that were studied using the Track 1 process. All 3 sites were leach ponds. Two of the ponds showed no risk and were determined to be no further action. PBF-26 will be retained for further consideration in the OU 5-12 RI/FS.

* OU 5-03 - Contains 5 sites that were studied using the Track 1 process. Sites included blow down pits, drum storage areas and a drainage ditch. All were determined to require no further action.

* OU 5-04 - Contains 3 sites that were studied using the Track 1 process. All sites were petroleum tanks and determined to require no additional action.

* OU 5-05/OU 6-01 - Contains 2 sites. A final ROD was signed January 1996. The RD/RA consisting of consolidating radiologically contaminated soils at 2 separate sites and then placement of rock cover was substantially completed by December 1996. The closeout report (Remedial Action Report) was accepted by the agencies Sept 30, 1997.

* OU 5-06 - Contains 2 sites containing radiologically contaminated soils studied under the Track 2 process. One site was determined to require no additional action and 1 site, ARA -12 containing metals in addition to the radiologically contaminated soils will be studied in the OU 5-12 Comprehensive RI/FS.

* OU 5-07 - Contains 2 sites studied using the Track 2 process. One site was determined to be no further action. The ARA-02 site consists of a series of septic tanks and leachfield containing hazardous mixed waste including radiologically contaminated material, PCBs, and organics. A CERCLA removal action was taken in 1996 to remove the waste/sludge from the tanks.

* OU 5-08 - Contains 3 sites, including 2 injection wells and 1 seepage pit, were studied using the Track 2 process. Two sites were determined to require no further action and one site, PBF-05, an injection well, was retained for further study during the OU 5-12 Comprehensive RI/FS.

* OU 5-09 - Contains 3 sites that were studied using the Track 2 process. Two of the sites were determined not to require further action. PBF-22, a leach pond, was retained for further study during the OU 5-12 RI/FS.

* OU 5-10 - Contains 1 site that was studied using the Track 2 process and determined not to require further action.

* OU 5-11 - Contains 1 site that was determined to require no further action.

* OU 5-12 - Contains 4 separate sites in addition to being the Comprehensive RI/FS to close out the WAG 5 cleanup. The RI/FS is currently in progress using field sampling data obtained in the fall of 1997. The RI/FS will likely recommend preparation of a ROD mandating cleanup of at least 4 sites including 2 windblown rad. sites and 2 radiologically contaminated tanks.

* OU 5-13 - Contains 2 sites that were cleaned up under an Interim Action ROD, which means that the cleanup will have to be re-examined during the OU 5-12 ROD to determine if the cleanup mitigated the risks.

Baseline Validation Narrative:

The INEEL Environmental Management Integration Team performed a compliance and cost estimating review of all activities associated with this PBS. This PBS reflects the comments and recommendations associated with the review. The Remediation Program has, since 1991, promoted use of the bottoms up/ABC approach, in the development of planning estimates for Assessment and Remedial Design and Remedial Action projects. All INEEL Remediation Program cost estimates have been developed using sound technical and planning principles and are accompanied by basis of estimate documentation intended to demonstrate the rationale and specifics behind the estimates. Bottoms Up estimating or Activity Based Costing,

Dataset Name: FY 1999 Planning Data

Date of Dataset: 9/20/1999

Page 5 of 15

Project Baseline Summary Report

Data Source: **EM CDB**
 Operations/Field Office: **Idaho**
 Site Summary Level: **Idaho National Engineering and Environmental Laboratory**
 Project **ID-ER-105 / Power Burst Facility/Auxiliary Reactor Area**

Report Number: **GEN-01b**
 Print Date: **3/10/2000**
 HQ ID: **0168**

Project Description Narratives

wherein the work scope is portrayed down to the task level, is both desired and encouraged.

The basis of estimates include a well defined statement of work, performance measures, products required for completion, products delivered, key support activities, and known milestones, etc., for every level of the program work scope. For work scope with definable milestones and deliverables, the cost estimates are very detailed and more precise. For more subjective work scope, where it is difficult to identify a specific end-product or deliverable, detail is provided to the lowest level possible. In most cases, the clarity of the available scope and associated planning assumptions is a key consideration in determining the specific technique used to develop a particular cost estimate.

General PBS Information

Project Validated? Yes **Date Validated:** 2/13/1996
Has Headquarters reviewed and approved project? No
Date Project was Added: 12/1/1997
Baseline Submission Date:
FEDPLAN Project? Yes

Drivers:	CERCLA	RCRA	DNFSB	AEA	UMTRCA	State	DOE Orders	Other
	Y	Y	N	N	N	Y	Y	Y

Project Identification Information

DOE Project Manager: K. O'Neill
DOE Project Manager Phone Number: 208-526-5455
DOE Project Manager Fax Number: 208-526-0553
DOE Project Manager e-mail address: oneillkc@inel.gov
Is this a High Visibility Project (Y/N):

Planning Section

Baseline Costs (in thousands of dollars)

	1997-2006 Total	2007-2070 Total	1997-2070 Total	1997	Actual 1997	1998	Actual 1998	1999	2000	2001	2002	2003	2004	2005	2006
PBS Baseline (current)	22,836	4,256	27,092	4,118	1,661	2,107	1,177	1,036	2,095	3,102	4,969	4,693	486	114	116

Dataset Name: **FY 1999 Planning Data**

Date of Dataset: **9/20/1999**

Project Baseline Summary Report

Data Source: **EM CDB**

Report Number: **GEN-01b**

Operations/Field Office: **Idaho**

Print Date: **3/10/2000**

Site Summary Level: **Idaho National Engineering and Environmental Laboratory**

HQ ID: **0168**

Project **ID-ER-105 / Power Burst Facility/Auxiliary Reactor Area**

Baseline Costs (in thousands of dollars)

	1997-2006 Total	2007-2070 Total	1997-2070 Total	1997	Actual 1997	1998	Actual 1998	1999	2000	2001	2002	2003	2004	2005	2006	
year dollars)																
PBS Baseline (constant 1999 dollars)	21,828	2,693	24,521	4,118	1,661	2,107	1,177	1,036	2,040	2,958	4,641	4,293	435	100	100	
PBS EM Baseline (current year dollars)	22,836	4,256	27,092	4,118	1,661	2,107	1,177	1,036	2,095	3,102	4,969	4,693	486	114	116	
PBS EM Baseline (constant 1999 dollars)	21,828	2,693	24,521	4,118	1,661	2,107	1,177	1,036	2,040	2,958	4,641	4,293	435	100	100	
	2007	2008	2009	2010	2011- 2015	2016- 2020	2021- 2025	2026- 2030	2031- 2035	2036- 2040	2041- 2045	2046- 2050	2051- 2055	2056- 2060	2061- 2065	2066- 2070
PBS Baseline (current year dollars)	119	121	123	126	673	747	829	919	599	0	0	0	0	0	0	0
PBS Baseline (constant 1999 dollars)	100	100	99	100	500	500	500	500	294	0	0	0	0	0	0	0
PBS EM Baseline (current year dollars)	119	121	123	126	673	747	829	919	599	0	0	0	0	0	0	0
PBS EM Baseline (constant 1999 dollars)	100	100	99	100	500	500	500	500	294	0	0	0	0	0	0	0

Baseline Escalation Rates

1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
0.00%	0.00%	0.00%	2.70%	2.10%	2.10%	2.10%	2.10%	2.10%	2.10%	2.10%	2.10%	2.10%
2010	2011-2015	2016-2020	2021-2025	2026-2030	2031-2035	2036-2040	2041-2045	2046-2050	2051-2055	2056-2060	2061-2065	2066-2070

Project Baseline Summary Report

Data Source: **EM CDB**
 Operations/Field Office: **Idaho**
 Site Summary Level: **Idaho National Engineering and Environmental Laboratory**
 Project **ID-ER-105 / Power Burst Facility/Auxiliary Reactor Area**

Report Number: **GEN-01b**
 Print Date: **3/10/2000**
 HQ ID: **0168**

2010	2011-2015	2016-2020	2021-2025	2026-2030	2031-2035	2036-2040	2041-2045	2046-2050	2051-2055	2056-2060	2061-2065	2066-2070
2.10%	2.10%	2.10%	2.10%	2.10%	2.10%	2.10%	2.10%	2.10%	2.10%	2.10%	2.10%	2.10%

Project Reconciliation

Project Completion Date Changes:

Previously Projected End Date of Project: 10/2/2002

Current Projected End Date of Project: 9/30/2031

Explanation of Project Completion Date Difference (if applicable):

Consistency with lifecycle cost module required inclusion of long term surveillance and monitoring.

Project Cost Estimates (in thousands of dollars)

Previously Estimated Lifecycle Cost (1997 - 2070, 1998 Dollars):	15,477	Actual 1997 Cost:	1,661	Actual 1998 Cost:	1,177
Previously Estimated Lifecycle Cost of Project (1999 - 2070, 1998 Dollars):	12,639	Inflation Adjustment (2.7% to convert 1998 to 1999 dollars):			341
Previously Estimated Lifecycle Cost (1999 - 2070, 1999 Dollars):	12,980				

Project Cost Changes

	Cost Adjustments	Reconciliation Narratives
Cost Change Due to Scope Deletions (-):		
Cost Reductions Due to Efficiencies (-):		
Cost Associated with New Scope (+):	5,319	The RI/FS was recently created which identified additional sites requiring remediation.
Cost Growth Associated with Scope Previously Reported (+):		
Cost Reductions Due to Science & Technology Efficiencies (-):		
Subtotal:	18,299	
Additional Amount to Reconcile (+):	-3	
Current Estimated Lifecycle Cost (1999 - 2070, 1999 Dollars):	18,296	

Project Baseline Summary Report

Data Source: **EM CDB**

Report Number: **GEN-01b**

Operations/Field Office: **Idaho**

Print Date: **3/10/2000**

Site Summary Level: **Idaho National Engineering and Environmental Laboratory**

HQ ID: **0168**

Project **ID-ER-105 / Power Burst Facility/Auxiliary Reactor Area**

Milestones

Milestone/Activity	Field Milestone Code	Original Date	Baseline Date	Legal Date	Forecast Date	Actual Date	EA	DNFSB	Mgmt. Commit.	Key Decision	Intersite
Completed Assessments of Release Sites (18)	W5RSFA99				9/30/1999						
Completed Release Sites (14)	W5RSFC99		9/30/1999		9/30/1999						
Completed Release Sites (4)	W5RSFC02		9/30/2002		9/30/2002						
OU 5-05 & 6-01 Draft RD/RA WP Sent by DOE-ID to EPA/IDHW	KZIP002		1/30/1996			3/4/1996					
OU 5-05 & 6-01 Draft RI/FS ROD	WEEP010		6/30/1996	6/30/1996		8/8/1995	Y				
OU 5-05 & OU 6-01 Draft RI/FS Report to EPA/IDHW for Review	WEEP024		8/31/1995	8/31/1995		10/1/1994	Y				
OU 5-12 Dft RI/FS ROD Sent by DOE-ID to EPA/IDHW for Review and C	WLEP010		8/31/1999	8/31/1999	8/31/1999		Y				
OU 5-12 Dft RI/FS Report Sent by DOE-ID to EPA/IDHW for Review an	WLEP024		10/30/1998	10/30/1998		10/6/1998	Y				
OU 5-12 Draft RI/FS SOW Sent by DOE-ID to EPA/IDHW for Review	WLEP037		9/30/1996	9/30/1996		8/30/1996	Y				
OU 5-12 Draft RI/FS WP Sent by DOE-ID to EPA/IDHW for Review	WLEP039		2/28/1997	2/28/1997		1/31/1997	Y				
OU 5-13 Draft RA Report to EPA/IDHW for Review	LOEP4100		9/20/1994	9/20/1994		9/20/1994	Y				
OU 5-12 Draft RD/RA SOW sent by DOE-ID to EPA/IDHW for review			1/5/2000								
OU 5-12 Draft RD/RA Work Plan sent by DOE to EPA/IDHW for review			6/27/2000								
OU 5-12 Draft RA Report sent by DOE-ID to EPA/IDHW for review			11/2/2003								
OU 5-12 Draft RA Report sent by DOE-ID to EPA/IDHW for review			11/2/2003								
Project Start			10/1/1996								

Dataset Name: **FY 1999 Planning Data**

Page 9 of 15

Date of Dataset: **9/20/1999**

Project Baseline Summary Report

Data Source: **EM CDB**

Report Number: **GEN-01b**

Operations/Field Office: **Idaho**

Print Date: **3/10/2000**

Site Summary Level: **Idaho National Engineering and Environmental Laboratory**

HQ ID: **0168**

Project **ID-ER-105 / Power Burst Facility/Auxiliary Reactor Area**

Milestones

Milestone/Activity	Field Milestone Code	Original Date	Baseline Date	Legal Date	Forecast Date	Actual Date	EA	DNFSB	Mgmt. Commit.	Key Decision	Intersite
Project Complete			9/30/2031								

Milestones - Part II

Milestone/Activity	Field Milestone Code	Critical Decision	Critical Closure Path	Project Start	Project End	Mission Complete	Tech Risk	Work Scope Risk	Intersite Risk	Cancelled	Milestone Description
Completed Assessments of Release Sites (18)	W5RSFA99									Y	
Completed Release Sites (14)	W5RSFC99										
Completed Release Sites (4)	W5RSFC02										
OU 5-05 & 6-01 Draft RD/RA WP Sent by DOE-ID to EPA/IDHW	KZIP002										
OU 5-05 & 6-01 Draft RI/FS ROD	WEEP010										
OU 5-05 & OU 6-01 Draft RI/FS Report to EPA/IDHW for Review	WEEP024										
OU 5-12 Dft RI/FS ROD Sent by DOE-ID to EPA/IDHW for Review and C	WLEP010										
OU 5-12 Dft RI/FS Report Sent by DOE-ID to EPA/IDHW for Review an	WLEP024										
OU 5-12 Draft RI/FS SOW Sent by DOE-ID to EPA/IDHW for Review	WLEP037										
OU 5-12 Draft RI/FS WP Sent by DOE-ID to EPA/IDHW for Review	WLEP039										
OU 5-13 Draft RA Report to EPA/IDHW for Review	LOEP4100										
OU 5-12 Draft RD/RA SOW sent by DOE-ID to EPA/IDHW for											

Dataset Name: **FY 1999 Planning Data**

Page 10 of 15

Date of Dataset: **9/20/1999**

Project Baseline Summary Report

Data Source: **EM CDB**

Report Number: **GEN-01b**

Operations/Field Office: **Idaho**

Print Date: **3/10/2000**

Site Summary Level: **Idaho National Engineering and Environmental Laboratory**

HQ ID: **0168**

Project **ID-ER-105 / Power Burst Facility/Auxiliary Reactor Area**

Milestones - Part II

Milestone/Activity	Field Milestone Code	Critical Decision	Critical Closure Path	Project Start	Project End	Mission Complete	Tech Risk	Work Scope Risk	Intersite Risk	Cancelled	Milestone Description
review											
OU 5-12 Draft RD/RA Work Plan sent by DOE to EPA/IDHW for review											
OU 5-12 Draft RA Report sent by DOE-ID to EPA/IDHW for review											
OU 5-12 Draft RA Report sent by DOE-ID to EPA/IDHW for review											
Project Start				Y							
Project Complete					Y						

Performance Measure Metrics

Category/Subcategory	Units	1997-2006 Total	2007-2070 Total	1997-2070 Total	Actual Pre-1997	Planned 1997	Actual 1997	Planned 1998	Planned 1999	Planned 2000	Planned 2001	Planned 2002	Planned 2003	Planned 2004
RS														
Assess.	NR	20.00	0.00	20.00	1.00					20.00				
RS														
Cleanup	NR	16.00	5.00	21.00		1.00	1.00			10.00		4.00		
Tech.														
Deployed	Ntd	1.00	0.00	1.00					1.00					
Category/Subcategory	Units	Planned 2004	Planned 2005	Planned 2006	Planned 2007	Planned 2008	Planned 2009	Planned 2010	Planned 2011 - 2015	Planned 2016 - 2020	Planned 2021 - 2025	Planned 2026 - 2030	Planned 2031 - 2035	
RS														
Assess.	NR													

Dataset Name: **FY 1999 Planning Data**

Page 11 of 15

Date of Dataset: **9/20/1999**

Project Baseline Summary Report

Data Source: **EM CDB**

Report Number: **GEN-01b**

Operations/Field Office: **Idaho**

Print Date: **3/10/2000**

Site Summary Level: **Idaho National Engineering and Environmental Laboratory**

HQ ID: **0168**

Project **ID-ER-105 / Power Burst Facility/Auxiliary Reactor Area**

Category/Subcategory	Units	Planned 2004	Planned 2005	Planned 2006	Planned 2007	Planned 2008	Planned 2009	Planned 2010	Planned 2011 - 2015	Planned 2016 - 2020	Planned 2021 - 2025	Planned 2026 - 2030	Planned 2031 - 2035	
RS														
Cleanup	NR		1.00											
Tech.														
Deployed	Ntd													
Category/Subcategory	Units	Planned 2036 - 2040	Planned 2041 - 2045	Planned 2046 - 2050	Planned 2051 - 2055	Planned 2056 - 2060	Planned 2061 - 2035	Planned 2066 - 2070	Exceptions	Lifecycle Total				
RS														
Assess.	NR									21.00				
RS														
Cleanup	NR						5.00			21.00				
Tech.														
Deployed	Ntd								1.00	1.00				
Release Sites														
Site Code	RSF ID	Change Flag	Description	Class/Subclass Name	Planned Assess. Year	Forecast Assess. Year	Actual Assess. Date	Planned Comp. Year	Forecast Comp. Year	Actual Comp. Date	Acc. Year	No Action	Comp. Status	RAD
INEL	0315		ARA-02 \ ARA-I SANITARY WASTE LEACH FLD & SEEPAGE PIT (ARA-746)	Waste/Pits	2000	2000		2002	2002		1991	N		Y
INEL	0316		ARA-03 \ ARA-1 PAD NEAR ARA-627 (LEAD SHEETING) [ARA-03]	Spills and Leaks/Surface Spills	2000	2000		2070	2070		1991	N		Y
INEL	0319		ARA-06 \ ARA-II SL-1 BURIAL GROUND [ARA-06]	Waste/Ditches	1995		8/8/1995	1997		9/30/1997	1991	N		Y
INEL	0325		ARA-12 \ ARA-III RADIOACTIVE WASTE LEACH POND [ARA-12]	Liquid Surface Impoundments/Seepage Basins	2000	2000		2002	2002		1991	N		Y
INEL	0329		ARA-16 \ ARA-I RADIONUCLIDE TANK (ARA-729) [ARA-16]	Tanks/Underground Storage Tanks	2000	2000		2002	2002		1991	N		Y

Dataset Name: **FY 1999 Planning Data**

Page 12 of 15

Date of Dataset: **9/20/1999**

Project Baseline Summary Report

Data Source: **EM CDB**

Report Number: **GEN-01b**

Operations/Field Office: **Idaho**

Print Date: **3/10/2000**

Site Summary Level: **Idaho National Engineering and Environmental Laboratory**

HQ ID: **0168**

Project **ID-ER-105 / Power Burst Facility/Auxiliary Reactor Area**

Release Sites

Site Code	RSF ID	Change Flag	Description	Class/Subclass Name	Planned Assess. Year	Forecast Assess. Year	Actual Assess. Date	Planned Comp. Year	Forecast Comp. Year	Actual Comp. Date	Acc. Year	No Action	Comp. Status	RAD
INEL	0336		ARA-23 \ ARA Radiologically Contaminated Soil	Waste/Miscellaneous Surface Debris	2000	2000		2002	2002		1994	N		Y
INEL	0341		PBF-04 \ PBF CONTROL AREA OIL TANK AT PBF-608 (SUBSTATION) OUTSIDE	Tanks/Underground Storage Tanks	2000	2000		2000	2000		1991	N		Y
INEL	0342		PBF-05 \ PBF REACTOR AREA WARM WATER INJECTION WELL (PBF-301)	Waste/Wells (injection, monitoring, etc.)	2000	2000		2000	2000		1991	N		Y
INEL	0345		PBF-08 \ PBF REACTOR AREA CORROSIVE WASTE DISPOSAL SUMP BRINE TA	Liquid Surface Impoundments/Sumps	2000	2000		2000	2000		1991	N		Y
INEL	0347		PBF-10 \ PBF REACTOR AREA EVAPORATION POND (PBF-733) [PBF-10]	Liquid Surface Impoundments/Evaporation Ponds / Pits	2000	2000		2070	2070		1991	N		Y
INEL	0348		PBF-11 \ PBF SPERT I SEEPAGE PIT (PBF-750) [PBF-11]	Waste/Pits	2000	2000		2000	2000		1991	N		Y
INEL	0352		PBF-15 \ PBF REACTOR AREA CORROSIVE WASTE INJECTION WELL(PBF-302	Waste/Wells (injection, monitoring, etc.)	2000	2000		2000	2000		1991	N		Y
INEL	0353		PBF-16 \ PBF SPERT II LEACH POND [PBF-16]	Liquid Surface Impoundments/Seepage Basins	2000	2000		2000	2000		1991	N		Y
INEL	0356		PBF-20 \ PBF SPERT III SMALL LEACH POND [PBF-20]	Liquid Surface Impoundments/Seepage Basins	2000	2000		2000	2000		1991	N		Y
INEL	0358		PBF-22 \ PBF SPERT IV LEACH POND (PBF-758) [PBF-22]	Liquid Surface Impoundments/Seepage Basins	2000	2000		2070	2070		1991	N		Y
INEL	0361		PBF-26 \ PBF SPERT IV SPERT LAKE (ADJACENT TO PBF-758) [PBF-26]	Liquid Surface Impoundments/Lagoons	2000	2000		2070	2070		1991	N		Y
INEL	0363		PBF-29 \ PBF Reactor Area Abandoned Fuel	Tanks/Underground	2000	2000		2000	2000		1994	N		Y

Dataset Name: **FY 1999 Planning Data**

Page 13 of 15

Date of Dataset: **9/20/1999**

Project Baseline Summary Report

Data Source: **EM CDB**

Report Number: **GEN-01b**

Operations/Field Office: **Idaho**

Print Date: **3/10/2000**

Site Summary Level: **Idaho National Engineering and Environmental Laboratory**

HQ ID: **0168**

Project **ID-ER-105 / Power Burst Facility/Auxiliary Reactor Area**

Release Sites

Site Code	RSF ID	Change Flag	Description	Class/Subclass Name	Planned Assess. Year	Forecast Assess. Year	Actual Assess. Date	Planned Comp. Year	Forecast Comp. Year	Actual Comp. Date	Acc. Year	No Action	Comp. Status	RAD
			Oil Tank	Storage Tanks										
INEL	0365		PBF-31 \ SPERT II Fuel Oil Tank	Tanks/Underground Storage Tanks	2000	2000		2000	2000		1994	N		Y
INEL	0366		PBF-32 \ PBF Control Area Fuel Oil Tank	Tanks/Underground Storage Tanks	2000	2000		2000	2000		1994	N		Y
INEL	3014		ARA-24/ARA-III Windblown contamination Area	/	2000	2000		2070	2070			N		N
INEL	3015		ARA-25/ARA-I Soils Beneath the ARA-626 Hot Cell	/	2000	2000		2005	2005			N		N

Technology Needs

Site Need Code: ID-6.1.03

Site Need Name: In-situ Treatment of Mixed TRU Tank Wastes.

Focus Area Work Package ID: SS-03

Focus Area Work Package: Stabilization Technologies

Focus Area: SCFA

Agree with Technology Link: N

Benefits (Cost, Risk Reduction, Both): Cost

Technologies

Cost Savings (in thousands of dollars)

Range of Estimate

Related CCP Milestones

Related Waste Streams

Agree?

Change?

02492: T8 - HAZ-Soil	Y	N
02485: L3 - LLW-Soil	Y	N
02445: I4 - LLW-Soil	Y	N
02444: I3 - ER/D&D LLW-Soil/Rubble/Debris	Y	N

Dataset Name: **FY 1999 Planning Data**

Page 14 of 15

Date of Dataset: **9/20/1999**

Project Baseline Summary Report

Data Source: **EM CDB**

Operations/Field Office: **Idaho**

Site Summary Level: **Idaho National Engineering and Environmental Laboratory**

Project **ID-ER-105 / Power Burst Facility/Auxiliary Reactor Area**

Report Number: **GEN-01b**

Print Date: **3/10/2000**

HQ ID: **0168**

Technology Needs

<u>Related CCP Milestones</u>	<u>Related Waste Streams</u>	<u>Agree?</u>	<u>Change?</u>
	02483: -	Y	N
	02498: W2.1 - MTRU-Soil/Rubble/Debris	Y	N
	02427: C1 - HAZ-Soil	Y	N
	02487: -	Y	N
	02480: P1.1 - MTRU-Rubble/Debris	Y	N
	02479: P1 - MTRU-Rubble/Debris	Y	N
	02428: -	Y	N

Technology Deployments

<u>Deployment Status</u>	<u>Deployment Year</u>		
	<u>Planned</u>	<u>Forecast</u>	<u>Actual Date</u>
Technology Name: Segmented Gate System			
Potential Deployment	1999	1999	