



Section K

Site Integration

PROJECT MANAGERS

<i>P&I</i>	W.W. Ballard, RL	(509) 376-6657
	L.R. Hafer, FH	(509) 375-2655
<i>ECP</i>	S.H. Wisness, RL	(509) 373-9337
	B.A. Austin, FH	(509) 376-0543
<i>SE&I</i>	W.W. Ballard, RL	(509) 376-6657
	T.J. Harper, FH	(509) 376-2755
<i>IRM</i>	S.H. Wisness, RL	(509) 373-9337
	J.D. Wood, FH	(509) 372-0499
<i>TRAINING</i>	S.H. Wisness, RL	(509) 373-9337
	K.A. McGinnis, FH	(509) 376-9403

INTRODUCTION

Site Integration consists of Project Baseline Summary (PBS) RL-SS01, Work Breakdown Structure (WBS) 3.4.1 (except for 3.4.1.3, 3.4.1.7, and 3.4.1.8). The five sub-projects addressed in Section K are:

- Planning and Integration (WBS 3.4.1.1)
- Environmental Compliance Program (WBS 3.4.1.2)
- Systems Engineering and Integration (WBS 3.4.1.4)
- Information Resource Management (WBS 3.4.1.5)
- Training (WBS 3.4.1.6)

NOTE: Cost/Schedule data contained herein is as of December 31, 2001. All other information is as of January 24, 2002 unless otherwise noted.

There are no milestones (EA, DOE-HQ, or RL) in Fiscal Year (FY) 2002 for this PBS.

NOTABLE ACCOMPLISHMENTS

PLANNING & INTEGRATION (P&I) WBS 3.4.1.1

The HQ Integrated Planning, Accountability and Budgeting System (IPABS) — The HQ IPABS limited update was completed on December 20, 2001. This was a budget update of FY 2002 and 2003, including narratives (FY 2002 planned accomplishments and FY 2003 planned work scope), metrics (treated, stored and disposed of high-level waste, low-level waste, mixed low-level waste, transuranic waste, spent nuclear fuel, and plutonium; as well as Facilities and Release Sites details) and milestones. From this data the FY 2002 EM Management Commitments will be established. This update was our first input towards the FY 2003 Congressional Budget Request. The next baseline update will be in March for the lifecycle baseline update, with an April budget update for FY 2003/2004.

FY 2002 Environmental Management Life-Cycle Baseline Update — The FY 2002 Environmental Management Life-Cycle Baseline Richland Operations Summary Schedule (RLSS) was updated to show the BHI and PNNL work scope along with the FH work. The updated schedule along with a set of files for display on the newly crated RL web site was submitted on January 11, 2002.

FY 2004 Budget Formulation - Integrated Priority List (IPL) — Efforts to modify the existing IPL module (IPLM) are nearing completion for system changes needed in anticipation of the upcoming budget exercise. System testing for the modifications has been underway and the functionality of the IPLM appears to be working as requested. It is expected the FY 2004 budgeting process will start in late January and that further guidance and/or requirements will be issued by DOE-HQ and RL. No additional guidance has been received from RL or DOE-HQ since a mid-November 2001 meeting held with our RL counterparts.

RL Laundry bill — In support of RL-Budgets, P&I researched numerous facilities and identified each to a charging source. P&I then met with RL-Office of Site Services and RL-Budgets about our facility alignment recommendation as well as a simplified bill for the Request for Services portion of the bill. Once the laundry charges are finalized, Fluor Hanford (FH) will process baseline change requests to align our baselines to the revised forecast.

Ongoing monthly requirements completed in this reporting period

- The October-status "FH Projects" Performance Management Meeting (PMM), which focused on progress by the Spent Nuclear Fuel, River Corridor, Nuclear Materials Stabilization/Plutonium

Finishing Plant, and Waste Management projects, along with the Fast Flux Test Facility, was held with RL the first week of December. Both Contract-to-Date and Fiscal Year to Date performance was addressed in an effort to provide a more comprehensive view of FH's progress. The November-status meeting (originally scheduled for January 3, 2002) was cancelled, with the expectation that both November and December information will be discussed at the PMM scheduled on January 31, 2002.

- A restructuring effort regarding the FY 2002 PMMs is in its initial stages. FH and RL are reviewing various potential changes in both content and format for these monthly meetings. Implementation of a new format is slated for January 2002 reporting.
- The Performance Execution Module (PEM) FY 2002 First Quarter Status Report was delivered on January 15, 2002 as scheduled through the electronic batch feed to the DOE-HQ IPABS-PEM. Performance data is collected quarterly from all RL contractors and transmitted to DOE-HQ. This report was also restructured to report in the new DOE-HQ Work Breakdown Structure.
- The monthly Environmental Management Performance Report (EMPR) submittal that included November 2001 cost/schedule data and other information was delivered to RL on January 8, 2002 and distributed to all other addressees in bound copy on schedule, January 16, 2002.

Environmental Compliance Program (ECP) WBS 3.4.1.2

Annual Asbestos Notice of Intent (NOI) Report — The report was completed and delivered to the Benton Clean Air Authority (BCAA) on December 13, 2001, completing Deliverable ECP-02-301, which was due December 31, 2001.

FY 2002 Resource Conservation and Recovery Act (RCRA) Permit Inspection Schedule — The schedule for inspections required by the Hanford Site RCRA Permit was completed this reporting period and submitted to RL for transmittal to Ecology.

Quarter 1 Hanford Facility RCRA Permit Class I Modification Package — The package, including input for FH and PNNL managed units, was submitted to RL on December 18, 2001. RL transmitted the package to Ecology on January 8, 2002.

Hanford Air Operating Permit (AOP) 1st Annual Compliance Certification — Agreement was reached with the Washington State Department of Ecology (Ecology) and the Washington State Department of Health (WDOH) to delay submittal of the first certification until June 30, 2002. This delay is allowed by the permit and regulation, and has the benefit of allowing the 2001 Annual Radioactive Airborne Emissions Report (issued at the same time) to support the compliance certification.

Radioactive Air Notice of Construction (NOC) applications — The following NOC applications were completed in December 2001 and submitted to RL for subsequent transmittal to WDOH:

- Roof repair for 200 Area facilities
- 324 Building
- TRU Retrieval
- T Plant Fan Replacement

Plutonium Finishing Plant (PFP) Air Emissions Sampling Support — Regulatory analysis support and support of regulatory interactions was rendered to PFP regarding efforts to replace its radioactive air emissions sampling system with a new system. Efforts continued towards gaining clean air agency (WDOH and the U.S. Environmental Protection Agency [EPA]) concurrence for the methods to be used for removal, sectioning, and analysis of the old sample probe and its residual contents. The purpose of the

effort is to address agency concerns regarding the amount of residual contamination held up in the system, possibly affecting the accuracy of reported emissions. Several presentations and telecons with the agencies have been completed with continued progress towards concurrence. Letters describing the planned work and analysis techniques, as well as the design of the replacement sampling system, are being prepared for transmittal for agency concurrence.

Regulatory Review for Possible Lease Adjustments — A clean air regulatory review and consultation was provided to RL regarding possible lease adjustments to accommodate a private corporation's initiative for installing additional power generating capacity at or near the Energy Northwest complex.

Regulator Inspection Support — The following regulator inspections and follow-up to information and/or action requests were coordinated:

- 12/20/01 - WDOH Inspection of the Waste Encapsulation and Storage Facility (WESF) - WDOH performed a Level II Inspection of the B-10 Stack at WESF.
- 12/27/01 - Ecology Inspection of Non-Rad Air Emissions continued - Ecology and the BCAA inspected the Asbestos Landfill near the 200 East Area. The focus of this inspection was to observe the condition of the soil cover and ensure the soil cover (2 ft) had not depleted.
- 12/27/01 - Ecology Inspection of Non-Rad Air Emissions continued - Ecology and the BCAA inspected the R. H. Smith Conoco fueling station located between the 200 East and 200 West Areas. The inspectors observed the pumps and tanks, looking for leaks and equipment malfunctions. They requested monthly running totals and inspection records.
- 1/3/02 - Ecology Inspection of Non-Rad Air Emissions continued - Ecology performed a follow-up inspection of the 200 East Area Conoco fueling station.
- 1/3/02 - Ecology Inspection of Non-Rad Air Emissions continued - Ecology held a brief closeout meeting informing RL of concerns and observations they had made during their multiple field visits.
- 1/7/02 - Ecology Request for Information - Ecology requested a listing of laboratories FH uses to perform RCRA sampling work and a current listing of FH Satellite Accumulation Areas. Compliance Services provided the requested information to Ecology on January 9, 2002.

Spill and Release Reporting — Appropriate reporting responses were coordinated for four non-reportable releases of a hazardous substance and/or a petroleum product released to the environment. All of these releases were cleaned up and disposed of per state and federal requirements. There were two reportable events with a release to the environment and six reportable code non-compliance events reported directly to the regulatory agencies by the FH single-point-of-contact.

Systems Engineering and Integration (SE&I) WBS 3.4.1.4

System Engineering Management System Solutions — Supporting the following three efforts:

- The initiative to look at alternatives for disposition of large contaminated equipment
- The FH Management System Re-alignment Project to reduce the contractor requirements to the necessary and sufficient set to achieve the Project Hanford Management Contract (PHMC) mission
- The Contract Transition Plan for the work scope that is moving from the Environmental Restoration Contract (ERC) to the PHMC.

System Engineering Technical Products — In support of the Hanford Site Analyses and Models and the Hanford Site Requirements Analysis Reports the following occurred:

- worked with the FH Contracts Division to create a series of "linked" hypertext markup language (html) files that demonstrate flow down of the requirements from the FH Contract. This work will be placed on the FH Contract's web page in February 2002.

- working to incorporate the latest revision, Rev 2, of the Hanford Site Environmental Management Specification into the Hanford Site Technical Baseline.
- working to develop population forecasts based on the life cycle baselines for RL and the Office of River Protection (ORP). They are also collecting additional facility specific information to improve the life cycle baseline and integration with waste volume forecasts.

Information Resource Management (IRM) WBS 3.4.1.5

Lockheed Martin Services Inc. (LMSI) Subcontract in Full Operation — Other Hanford contractors are using FH's subcontract with LMSI to obtain services from LMSI directly, rather than obtaining the services through FH.

LMSI & Qwest Relationship has Solidified — There were initially some issues between Qwest and LMSI when the Qwest contract with Fluor was first assigned to LMSI, but those issues have now been resolved.

Communication of the New IRM Contract — Communication of the major features of the new IRM contract have been communicated to IRM customers, and LMSI has completed an IRM Road Show compact disk for further presentations with IRM customers.

Training WBS 3.4.1.6

Hazardous Waste Training Support — Three hundred thirty one students were trained in Hazardous Waste handling in December 2001. A new single Hazardous Waste course was developed to take the place of three courses. For the past year, Training has been conducting a class for less than 10 employees for the 40-hour course. The new course allows the employees requiring the 40-hour course to join the students requiring the 24-hour course for the first three days and join the students requiring the bridge to 40-hour the final three days. The 24, 40, and 40-hour bridge course is being piloted by the International Chemical Worker's Union on March 4-8, 2002.

Respiratory Training Support — Two hundred forty four students were trained in Respiratory Protection. Fourteen respiratory protection refresher classes and eleven respiratory protection initial classes were conducted.

Occupational Safety and Health Training — Training completed the development of a storyboard for an Asbestos Awareness Refresher web-based training course. The course will be an option for students to meet the annual Occupational Safety and Health Administration (OSHA) requirement. Once the Interpretive Authority (IA) has approved the storyboard information, the contractor will complete the web programming. The estimated savings is approximately \$67,000 annually. Also, the third week (electrical portion) of the sixth 5-week Nuclear Chemical Operator Core Fundamentals Classes scheduled for FY 2001-FY 2002 has been completed. The classes have been scheduled throughout the holiday period to allow the SNF Project the flexibility of meeting their training commitments. Finally, four courses (five total sessions) conducted on various hoisting and rigging topics during the month of December 2001. A total of 46 students attended these classes.

Emergency Preparedness (EP) Training — The Building Warden Refresher Training (course #037525) draft lesson plan and examination bank were completed on November 30, 2001 and routed to the IAs for review. Comments were incorporated and the lesson plan was provided to Vivid Learning Systems for web development. The final implementation date is scheduled for January 31, 2002.

Training also supported the following EP activities:

- Hanford Incident Command System Initial Training - 22 students
- Web-based refresher-training courses - 54 students

Continuous Improvement — Training supported the following activities:

- On December 5, 2001, Training began accepting electronically scanned course completion records into the Training Records database system from ORP. As of December 31, 2001, 813 records had been electronically documented. This cost effective process of entering training records electronically will eliminate the need for hard copy and manual input, resulting in faster process time and minimizing the chance of input error. This new paperless process pertains only to those stand-up classes that do not require exams, qualification cards, or any other associated paper or attachments.
- The new training subcontractor, EnergX-TFE (EnergX), initiated performance of their contract on December 3, 2001. The transition has been relatively smooth, with respect to training delivery.

Support to Plutonium Finishing Plant (PFP) Management Self Assessment — Training completed fieldwork in support of the management self assessment of the PFP training group's certified operator and supervisor program. The draft report was submitted on December 12, 2001; the final report and senior management debrief was completed on January 10, 2002. Training drafted a site-wide procedure for the implementation of continuing training. The need for a procedure to describe the flow-down of the continuing training requirements in DOE Order 5480.20A was identified during a management assessment conducted at PFP. The path forward includes review and comment on the draft, a decision on the appropriate document type, presentation of the document to the Training Center of Expertise, and release of the documentation. Training edited and revised a Technical Staff Training Improvement Program for the PFP training group. The completion of this action satisfies the requirements of a Facility Evaluation Board finding.

Requirements and Standards — Several minor updates were made to the Environmental Compliance Officer, RadCon First Line Manager, and the Hoisting and Rigging Training Program Descriptions. These updates were required due to the numerous recent modifications that have been occurring in the Project Hanford Management System (PHMS) procedure system. Notifications about these updates were sent out to the training points-of-contact as required.

Nuclear Safety Training —

- The pilot class for Radiological Control Technician (RCT) Continuing Training was held on December 4-5, 2001. Lessons included: Lapel Air Samplers; Staplex Air Samplers; AMS-4 Continuous Air Monitors (CAMs); Counting Statistics; Radiological Work Controls; Bioassay Methods and Modeling; and Onsite Routine Radioactive Shipping Records (ORRSR). The pilot was attended by 16 students and received favorable feedback. Regular classes started December 12, 2001 and will run through March 2002.
- In the RCT Trainee Program, 36 trainees have completed 13 weeks of the Site Academics/On-the-job training (OJT) program. The students have received classroom lecture on all 19 academic lessons and are working on completing the 40 OJT/On-the-job evaluations (OJEs).

Deliverables — Training completed the following deliverables:

- Complete upgrades to Hanford General Employee Training on the WEB to ensure that all personnel can use this tool with no Courseware Management system related problems by December 31, 2001," FH-0107128, dated December 31, 2001.
- Work with RL-Office of Training Services and PHMC facilities to develop a means of determining training effectiveness and customer satisfaction by December 31, 2001. Does not include Level III evaluations," FH-0107254, dated December 31, 2001.

BREAKTHROUGHS / OPPORTUNITIES FOR IMPROVEMENT

Breakthroughs

Nothing to report.

Opportunities for Improvement

Information Resource Management

- **Consolidation of Unclassified Cyber Security** - The Protection Technology Hanford (PTH) unclassified computer security staff have been assigned to the FH Chief Information Office (CIO), and will be moving into the LMSI building so that a closer working relationship is developed between software developers, network management, and computer security.
- **Personal Computer (PC) Refresh** - An evaluation has been performed on PC Refresh strategies for FH, and the conclusion is that PC Refresh should be software-based rather than hardware-based. Implementation of the new strategy is currently under development.

UPCOMING ACTIVITIES

Planning & Integration

- The Annual Lifecycle Baseline Update to RL and DOE-HQ - Due March 15, 2002
- The Budget Request (FY 2003/2004 only) to RL and DOE-HQ - Due April 15, 2002

Environmental Compliance Program

Work is in progress, and on schedule, for the following FY2002 ECP tracked deliverables

- Emergency Planning and Community Right-To-Know Act of 198 (EPCRA) Section 312 Tier Two Emergency and Hazardous Chemical Inventory Report - Due February 22, 2002
- Hanford Site Annual Dangerous Waste Report - Due February 22, 2002
- State (ST) 4508 Log of Significant Discharges - Due January 31, 2002
- First Hanford Air Operating Permit Semi-Annual Report - Due February 15, 2002
- Annual Hanford Facility RCRA Permit Noncompliance Report - Due February 15, 2002
- Quarter 3 Hanford Facility RCRA Permit Class I Modification Notification - Due April 1, 2002

Systems Engineering & Integration

- Integration of Hanford Site Technical Database (HSTD) and the PHMC web page - Due February 22, 2002

Information Resource Management

- Wireless Communications Plan - Due March 31, 2002
- Long Range Operating Plan - Due March 31, 2002

Training

- Assess the effectiveness of the crosswalk between competencies and training needs for the internal procedure (IP)-1184, Automated Job Hazard Analysis (AJHA), (Automated) Employee Job Task Analysis (EJTA), and Integrated Training Employee Matrix (ITEM) to include the level of use at the facilities, customer satisfaction, and value added. Compile data from the facilities to show where it is being used to ensure proper training is being provided to the proper people at the proper time - Due March 31, 2002.

MILESTONE ACHIEVEMENT

There are no milestones (EA, DOE-HQ, or RL) in FY 2002 for this PBS.

FY 2002 SCHEDULE / COST PERFORMANCE – ALL FUND TYPES FY TO DATE STATUS – (\$000)

By PBS	BCWS	BCWP	ACWP	SV	SV%	CV	CV%	BAC	EAC
3.4.1.1 P&I	925	916	765	-8	-1%	152	17%	3,989	3,760
3.4.1.2 ECP	2208	2208	1980	0	0%	227	11%	9,297	9,147
3.4.1.4 SE&I	153	153	142	0	0%	11	8%	887	912
3.4.1.5 IRM	2555	2555	2645	0	0%	-90	-4%	10,408	11,184
3.4.1.6 Training	1190	1189	970	-1	-1%	219	19%	5,171	5,015
3.4.1 Site Integration	7031	7022	6502	-9	-1%	520	7%	29,753	30,019

*(Note: Hanford Data Integrator [HANDI] erroneously reflects \$-44.3K inventory cost in WBS 3.4.1.3, RL Directed Support. The error has been noted and the appropriate adjustments will be captured in next month's report.)

FY TO DATE SCHEDULE / COST PERFORMANCE

All schedule variances in PBS RL-SS01 are within established thresholds. The \$0.52M (7 percent) favorable cost variance is discussed in Cost Variance Analysis portion of this report.

For all active sub-PBSs and TTPs associated with the Operations/Field Office, Fiscal Year to Date (FYTD) Cost and Schedule variances exceeding + / - 10 percent or one million dollars require submission of narratives to explain the variance.

Schedule Variance Analysis: (\$0.01M)

All schedule variances are within established thresholds.

Cost Variance Analysis: (+ \$0.52M)

PLANNING & INTEGRATION

Description/Cause: The favorable cost variance is mainly due to \$113.1K in reserve identified in the baseline to be reallocated to other projects via a Baseline Change Request. The balance is various small under runs and billing delays for small procurements.

Impact: There is no significant project impact at this time.

Corrective Action: None at this time.

ENVIRONMENTAL COMPLIANCE PROGRAM

Description/Cause: The favorable cost variance is due to delays in placing contracts and delays in replacing terminated staff.

Impact: There is no significant project impact at this time. The favorable variance will decrease as invoices are processed for FY 2001 contract accruals.

Corrective Action: None at this time.

SYSTEMS ENGINEERING AND INTEGRATION

Description/Cause: The favorable cost variance is due to temporally reallocating resources to support indirect work scope.

Impact: There is no significant project impact at this time.

Corrective Action: None at this time

INFORMATION RESOURCE MANAGEMENT

Description/Cause: The cost variance is within established thresholds and within the plan.

Impact: There is no significant project impact at this time.

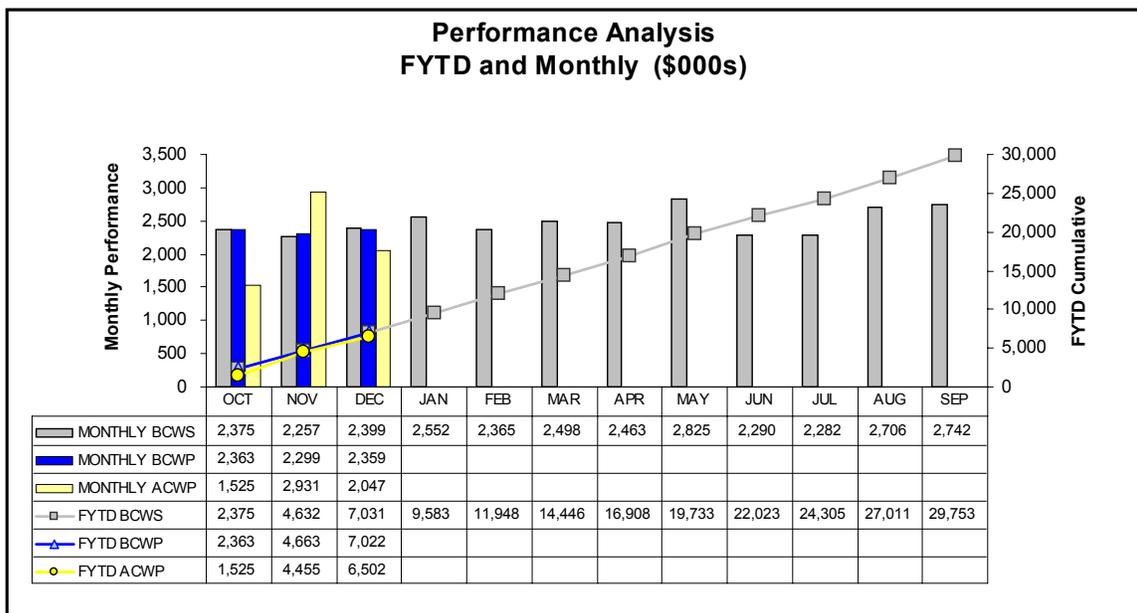
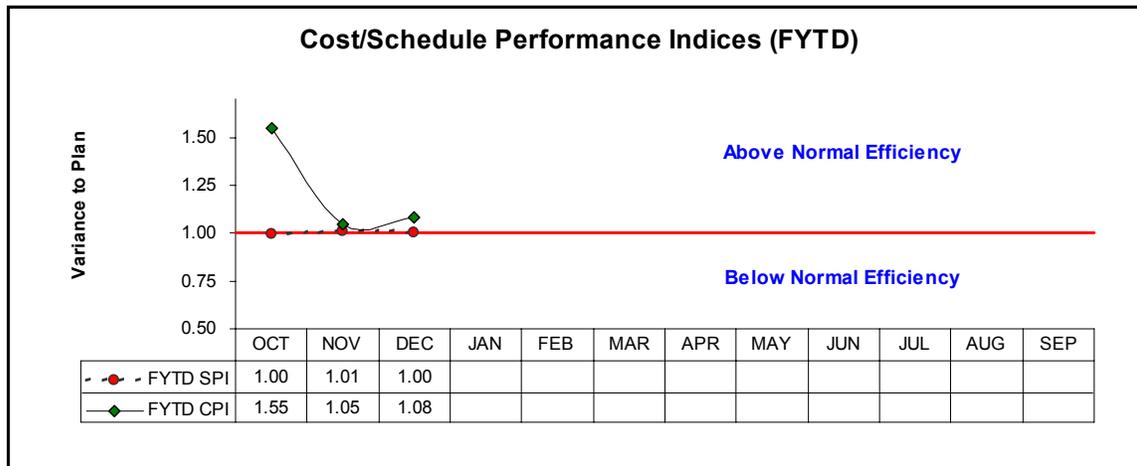
Corrective Action: None at this time

TRAINING

Description/Cause: The favorable cost variance is due primarily to the delay in upgrading PeopleSoft and the cost of training delivery being understated due to December's accrual not being provided.

Impact: There is no significant project impact at this time.

Corrective Action: The upgrade to PeopleSoft is scheduled to start in February and the vendor's invoice will be costed next month.



FUNDS MANAGEMENT FYTD FUNDS VS SPENDING FORECAST (\$000)

	Expected Funds	FYSF	FH Reallocation	Funds Variance (Expected vs. Reallocation)
3.4.1 Site Integration SS01	\$ 28,507	\$ 30,000	\$ 27,393	\$ 1,114
Total	\$ 28,507	\$ 30,000	\$ 27,393	\$ 1,114

[Status through December 2001]

NOTE: FH Reallocation reflects an FYSF adjusted for scope deletions, deferrals, and identified savings to address funding shortfalls, additional unplanned scope, and cost increases.

ISSUES

TECHNICAL ISSUES

Issue: Integrated Lifecycle Baseline Validation Report — RL provided the U.S. Army Corps of Engineers (USACE) Pre-Decisional Draft of *FHI Integrated Life-Cycle Baseline Independent Review Summary Report* for comments. FH identified some areas where it appeared the USACE did not understand prior agreements between FH and RL. FH also expressed concern that the conclusions were based upon misunderstandings due to the lack of verbal communication between the USACE review team and FH. A redlined response to the Draft was returned to RL for consideration.

Impacts: None at this time.

Corrective Action: Issue resolved as RL and FH have agreed to work together on the areas discussed in reviews of this type.

REGULATORY ISSUES

Issue: Annual Land Disposal Restrictions (LDR) Reporting — FH is responsible for the coordination and integration of the annual Hanford Site LDR Report with each Hanford Site contractor (CH2M HILL Hanford Group [CHG], Bechtel Hanford Inc. [BHI], Pacific Northwest National Laboratory [PNNL]) remaining responsible for the accuracy of their data contained in the document. The 2000 LDR Report was delivered to RL on June 25, 2001, in accordance with our contractual baseline and TPA Milestone M-26-01K.

Ecology found the document incomplete and took the position that some of the most critical requirements of the LDR Report were omitted such as schedules and milestones for characterization and treatment of particular waste streams. Ecology initiated the Tri-Party Agreement (TPA) dispute resolution process on November 28, 2001.

Impacts: The 2001 LDR Report is currently in preparation and is scheduled to be issued on April 30, 2002. The above dispute may require modifications to the 2001 report, which will require an extension to the April 30th issue date.

Corrective Action: Ecology and RL will work the issues/concerns at the project manager level. If it cannot be resolved at the project manager level, then Ecology will submit a Statement of Dispute to RL by January 31, 2002. If these efforts fail, the dispute will be elevated to the Interagency Management Integration Team (IAMIT); pending IAMIT action, the dispute can be submitted for a Director's Final Determination. Initial discussions indicate that the issues may be more substantive than can be worked at the project manager level.

Issue: Insignificant Emission Units — On January 2, 2002, EPA published in the *Federal Register* a Notice of Deficiency regarding the State of Washington's Air Operating Permit Program (Title V program). In sum, EPA has concerns with the state program allowing permittees not to monitor emission units classified as "insignificant emission units" (IEU). There are numerous IEUs on the Hanford Site (includes small internal combustion engines, restroom vents, etc.), and monitoring and associated record keeping could be onerous.

Impacts: None at this time.

Corrective Action: Ecology is seeking ways to address EPA's concerns, but still minimize required monitoring.

External and DOE Issues and DOE Requests

None to report.

BASELINE CHANGE REQUESTS CURRENTLY IN PROCESS

None to report.