0068118

Meeting Minutes Transmittal

300 Area Facility Transition General Topics
Project Managers Meeting
Federal Building/Room 340
Richland, Washington

July 24, 2003
3:00 pm – 3:30 pm

The undersigned indicate by their signatures that these meeting minutes reflect the actual occurrences of the above dated Project Managers Meeting.

_____ Date:_____
K.D. Bazzell, RL Representative

_____ Date:_____
F.W. Bond, Washington State Department of Ecology

_____ Date:_____
D. E. Rasmussen, Contractor Representative, FH

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

Attachment 1 – Agenda
Attachment 2 – Summary of Discussion and Commitments/Agreements
Attachment 3 – Attendance List
Attachment 4 – Title page and Table 2-3 from HNF-5068, revision 1A, Project Management Plan for the 300 Area Special Case Waste, dated April 2001
Attachment 5 – Federal Facility Agreement and Consent Order Change Control form, Change Number M-92-96-01
Attachment 6 -- Presentation from the June 24, 2003, Tri-Party Agreement Quarterly Milestone Review Meeting
Attachment 7 – LDR Storage Assessment Status as of July 17, 2003

no Signatures are available

Attachment 1

300 Area Facility Transition General Topics
Project Managers Meeting
Federal Building/Room 340, Richland, Washington

July 24, 2003
3:00 pm – 3:30 pm

AGENDA

1. Introductions

2. Previous meeting minutes

3. M-92-16 Special Case Waste (SCW) status
   a. 327 SCW
   b. 340 SCW

4. Other topics/discussion
   a. Ecology familiarity visits to the 300 area
      - 324 facility and general 300 area walkaround 6/25/03
      - 327 facility visit
      - 340 facility visit
   b. Tri-Party Agreement Quarterly Milestone Review meetings (M-92)
      - Recent meeting 6/24/03
      - Next meeting 9/23/03
   c. LDR self-assessments status
   d. 300 Waste Acid Treatment System (WATS) status
   e. Other

5. Action Items
   a. Provide RL with information regarding 340 Facility Special Case Waste (SCW)
   b. Provide RL with information regarding LDR assessment (for RL letter to Ecology)

6. Schedule next meeting

Attachment 2

300 Area Facility Transition General Topics
Project Managers Meeting
Federal Building/Room 340, Richland, Washington

July 24, 2003
3:00 pm – 3:30 pm

1. Introductions

2. Previous meeting minutes

   The May 29, 2003 PMM minutes are in review. There were no new agreements or commitments.

3. M-092-16 Special Case Waste (SCW) status

   a. 327 Facility

      D. Rasmussen (FH) provided an excerpt (table 2-3) from the SCW project management plan summarizing the 324, 325, 327, and 340 facility SCW (attachment 4). There has been no change in status with the 327 SCW as reported in the previous PMMs, and the building remains in minimum safe operation mode. A copy of the TPA change control form (attachment 5) was provided for information purposes for the 300 Area SCW.

   b. 340 Facility

      There have been recent discussions with RL and Ecology regarding the SCW associated with the 340 facility. Fen Simmons (FH) indicated the two vault tanks have been pumped down to minimum heel and a letter documenting the 340 facility SCW is being provided to RL. The remaining tank heel material is planned to be dispositioned in association with facility disposition activities associated with TPA M-094 series milestones. Rick Bond (Ecology) indicated that Ecology will not be taking any action regarding the 340 facility SCW at the present time because the M-92-16 SCW milestone is not due until September 2006. Mr. Bond also indicated that the 340 facility land disposal restriction (LDR) assessment may provide additional information towards making any decisions regarding the 340 facility.

4. Other topics/discussion

   a. Ecology familiarity visits to the 300 area

      - 324 facility and general 300 area walkaround 6/25/03

        Ecology and RL visited the 324 facility on June 25, 2003, which satisfied a request by Ecology in a previous PMM.

      - 327 facility visit

        Ecology and RL visited the 327 facility on July 23, 2003.

      - 340 facility visit

        Ecology visited the 340 facility on July 23, 2003

b. Tri-Party Agreement (TPA) Quarterly Milestone Review meetings (M-92)

The TPA Quarterly Milestone Review meeting was held on June 24, 2003. A copy of the M-92 presentation is attached to the minutes (attachment 6). The next meeting is scheduled for September 23, 2003.

c. LDR self-assessments status

An LDR storage assessment status as of July 17, 2003 handout was provided (attachment 7). Chris Haas (FH) stated that the only update since the May 29, 2003 PMM is the walk-downs performed on the 333, 314, and 3708 buildings. A report is being prepared and is expected to be presented at the next PMM.

d. 300 WATS status

Dave Rasmussen (FH) stated that the 300 area WATS Class I modification to the Hanford RCRA permit, Dangerous Waste Portion, quarter ending March 31, 2003, condition IC3 was recently approved by Ecology. The 300 area WATS has been partially closed and the modification for the WATS provided a tracking device for continuing required annual inspections until final closure of the unit.

e. Other

There were no new topics brought up for discussion.

5. Action Items

c. Provide RL with information regarding 340 Facility Special Case Waste (SCW) relative to M-92-16.

FH provided RL with the information. This action item is closed.

d. Provide RL with information regarding the LDR assessment (for RL letter to Ecology)

FH provided RL with the information

6. Schedule next meeting

The next meeting was scheduled for September 25, 2003 at 3:00 pm.

Attachment 3

300 Area FH Facility Transition General Topics
Project Managers' Meeting
Federal Building/Room 340
Richland, Washington

July 24, 2003
3:00 p.m. – 3:30 p.m.

ATTENDANCE LIST

Original included in hard copy.

Name	Company	Phone Number	
David E. Rasmussen	FH/CP/300 S&M	376-3288	
Tim Veneziano	FH/CP/300 S&M	373-4245	
Ken Simmons	FH	372-0413	
Tony Misich	FH	376-7313	
Jeannette Hyatt	FH/ENV	376-7923	
Richard Gurske	FH/EP	372-0761	
Bob Bilbro	FH/JBA	373-3285	
Rick Bond	Ecology	736-3007	
G.P. Davis	Ecology	736-3025	B5-18
Jeanne Wallace	Ecology	736-3019	
Chris Haas	CP/ESH	376-3509	
Ron Brunke	CP/FH	376-2663	

Attachment 4

300 Area Facility Transition General Topics
Project Managers Meeting
Federal Building/Room 340, Richland, Washington

September 25, 2003
3:00 pm – 3:30 pm

Title Page and Table 2-3 from HNF-5068, revision 1A
"Project Management Plan for the 300 Area Special Case Waste", April 2001

HNF-5068
Revision 1A
ECN 665552

Project Management Plan for the 300 Area Special-Case Waste

Document Type: PMP Division: RCP

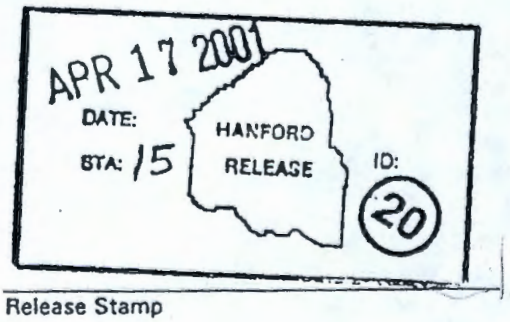
J. R. Robertson
Fluor Hanford

Date Published
April 2001

Prepared for the U.S. Department of Energy
Assistant Secretary for Environmental Management

Project Hanford Management Contractor for the
U.S. Department of Energy under Contract DE-AC06-96RL13200

Fluor Hanford
P.O. Box 1000
Richland, Washington



Release Approval — Date 4/17/01 — Release Stamp

Table 2-3. Curie Estimate Comparison between the Original TPA M-92-96-01 Streams and the New Baseline M-92-14, -15, and -16 SCW Streams.

Description	Original Curie Estimate (kCi)	New Baseline Curie Estimate (kCi)	Notes
324 Building			
FRG Borosilicate Vitrified Logs	8,300	6,860	Actual amount shipped from the facility. Difference is due to decay.
Neptunium Oxide Powder	3×10^{-3}	3×10^{-3}	No change.
HLV Filters/IX Columns	N/A	66.427	A summary of assumptions and approximations for calculating the content of the HLV filters/IX columns was compiled by Gary Sevigny[2] of PNNL.
D-Cell Fuel Fragments, Pieces, and Pins	N/A	23.7	These include cesium/strontium and other nuclides. Calculations performed on material given the makeup and decay rate.
327 Building			
1-Gal Waste Buckets	Only Volume Estimate	11.4	MFP/SNM. Based on actual NDA of packaged buckets and 22.2 curies per bucket for non-NDA buckets.
Fuel Pellets/Metallurgical Mounts	Only Volume Estimate	4.6	MFP/SNM. Additional information provided based on 400 pieces of irradiated samples.
Fuel Pool Spent IX Column Assembly and Resin	Only Volume Estimate	0.170	Cesium. Calculations performed on IX material and dose rate information.
325 Building			
Yankee Fuel (B-Cell)	0.0018	0.220	MFP. Calculation based on 130 Ci/kg for power fuel (MFPs).
Saxton Fuel – Pu (B-Cell)	0.0005	0.0005	MFP. No change.
Shippingport Fuel (B-Cell)	N/A	0.455	MFP. Calculation based on 130 Ci/kg for power fuel (MFPs).
Commercial Reactor Fuel Pieces	Only Volume Estimate	1.95	MFP. Calculation based on 130 Ci/kg for power fuel (MFPs). Spent fuel powder and fragments.
Unirradiated N Reactor Fuel (Rm. 530)	1.446 kg	0.188	MFP. Calculation based on 130 Ci/kg for power fuel (MFPs).
LLW	31 Containers	0.0584	New dose profiling for waste cans.
TRU Waste	42 Containers	0.5472	New dose profiling for waste cans.
340 Complex			
340 Vault Tank Heels and 340-A Building AGT Heels	N/A	0.1	Other nuclides. Based on more current information.

[2] Memo from GJ Sevigny, PNNL, to MM O'Neill, PNNL, "Summary of Assumptions/Approximations for Calculating the Contents of Metals Filters, Strontium Filters, and Ion-Exchange Columns from the HLV Process," dated March 18, 1997.

Attachment 5

300 Area Facility Transition General Topics
Project Managers Meeting
Federal Building/Room 340, Richland, Washington

September 25, 2003
3:00 pm – 3:30 pm

Federal Facility Agreement and Consent Order Control Form

Change Number M-92-96-01

SPECIAL CASE WASTE LIST
TPA M-92 Milestone
DE RASMUSSEN
2-14-97
Xc: JMB, DLJ, MMS

FEDERAL FACILITY AGREEMENT AND CONSENT ORDER

CHANGE CONTROL FORM

CHANGE NUMBER

M-92-96-01

Change Number M-92-96-01	Federal Facility Agreement and Consent Order Change Control Form Do not use blue ink. Type or print using black ink.	Date June 14, 1996

Originator
Ecology/DOE

Phone

Class of Change
[X] I - Signatories [ ] II - Executive Manager [ ] III - Project Manager

Change Title
Creation of new Major milestone M-92-00 and its sub-elements governing the acquisition of new facilities, modification of existing facilities, and/or modification of planned facilities necessary for the storage, treatment/processing, and disposal of Hanford site Cesium and Strontium capsules (Cs/Sr), Unirradiated Uranium (UU), Bulk Sodium (Na), and 300 Area Special Case Waste (SCW).

Description/Justification of Change
Agreement Milestone M-33-00 was established to: (1) prompt the development of milestones necessary for the storage, treatment/processing and disposal of Hanford site solid wastes and hazardous materials not yet covered under the Hanford Federal Facility Agreement and Consent Order (Agreement), and (2) prompt the development and incorporation of Agreement modifications designed to aid in achieving integrated management of all aspects of Hanford site "cleanup" (including but not limited to waste and materials management, remedial action, and site closure).

Impact of Change
These M-92-96-01 agreements are made in partial fulfillment of Land Disposal Restriction (LDR) treatment requirements of Agreement milestone M-26-00 (which constitutes an existing Agreement or Order for treatment of mixed waste for purposes of the Federal Facility Compliance Act of 1992 (FFCA)), and as companion documentation to Land Disposal Restriction (LDR) documents submitted by DOE pursuant to Agreement milestone M-26-00. The Parties recognize and agree to establishment of additional schedules and milestones for completion of facility acquisition and for completion of treatment and disposal processes, as adequate information becomes available as determined by the lead regulatory agency or DOE.

Approval of this change request by the Parties establishes a new major milestone, and associated interim milestones and target dates governing the acquisition of new facilities, modification of existing facilities, and/or modification of planned facilities for the storage, treatment/processing, and disposal of Hanford site Cesium and Strontium capsules (Cs/Sr), Unirradiated Uranium (UU), Bulk Sodium (Na), and 300 Area Special Case Waste (SCW). On approval, Hanford site planning and budget development documents (e.g., Sitewide System Engineering control documents, Project Management Plans, and Multi Year Work Plans) will be modified accordingly.

Affected Documents
Hanford Federal Facility Agreement and Consent Order, as amended by its Sixth Amendment, February 1996), Hanford site internal planning and budget documents (e.g., Sitewide System Engineering control documents, Project Management Plans, and Multi Year Work Plans).

Approvals

John D. Wagoner DOE	12/16/96 Date	✓ Approved	___ Disapproved
Chuck Clarke EPA	12/31/96 Date	✓ Approved	___ Disapproved
Mary Riveland Ecology	12/24/96 Date	✓ Approved	___ Disapproved

To meet these objectives the Parties have negotiated Agreement modifications under change request numbers L-96-01, M-90-96-01, M-91-96-01, and M-92-96-01.

This M-92-96-01 change request establishes a new major milestone (M-92-00 and its sub-elements) governing the acquisition of new facilities, modification of existing facilities, and/or modification of planned facilities necessary for the storage, treatment/processing, and disposal of Hanford site Cesium and Strontium capsules (Cs/Sr), Unirradiated Uranium (UU), Bulk Sodium (Na), and 300 Area Special Case Waste (SCW). Cs/Sr, Na, and SCW Project Management Plans (PMP) described here have been agreed to based on the Parties recognition that milestones established by this M-92-96-01 change request will remain as constraints on PMP design and management of the projects themselves. It is also noted that in the instance of Hanford site Cs/Sr capsules (see milestones M-92-01 through M-92-05) such capsules would not be solid wastes when they can be shown to be recycled by being used or reused as effective substitutes for commercial products as provided in chapter 173.303.017 WAC.

Major and interim milestones, and associated target dates established by approval of this change request are as follows:

M-92-00	Complete acquisition of new facilities, modification of existing facilities, and/or modification of planned facilities necessary for the storage, treatment/ processing, and disposal of Hanford site Cesium and Strontium capsules (Cs/Sr), bulk Sodium (Na), and 300 Area Special Case Waste (SCW).	TBE (by October 1998)
	<u>CESIUM AND STRONTIUM CAPSULES (Cs/Sr)</u>	
M-92-01	Complete commercial disposition and/or acquisition of new facilities, modification of existing facilities, and/or modification of planned facilities necessary for sitewide consolidation, and storage prior to commercial use, or treatment and/or repackaging by DOE TWRS. Completion of this milestone requires the completion of commercial disposition and/or all construction, internal/external facility(s) modifications, and startup activities necessary for the treatment /processing, repackaging (if necessary), and storage of Cs/Sr (to include unencapsulated salts) located at the: (1) ARECO facility in Lynchberg VA (25 capsules), (2) Hanford 300 Area (13 capsules at the 327 pool facility and excess Cs/Sr salts at the 324 facility), and (3) Hanford Waste Encapsulation and Storage Facility (WESF) in the 200 East Area.	December 2009

M-92-02	Submit Hanford Site Cs/Sr Project Management Plan (PMP) to Ecology pursuant to Agreement Action Plan section 11.5. The Hanford Site Cs/Sr PMP will include all plan elements required by Agreement Action Plan section 11.5 (to include a final feasibility evaluation and determination regarding vitrification of 300 Area Cs/Sr at the 324 melter). Approval of the Cs/Sr PMP and accompanying Agreement change requests will establish all major project tasks and deliverables for treatment, storage, disposal of Hanford Cs/Sr including commercial sector management activities, modification of existing facilities, and/or construction of new facilities.	September 1997
M-92-03	Submit modified Hanford facility Part A permit application to Ecology incorporating all Hanford site Cs/Sr capsules (300 Area and unencapsulated salts) for which a commercialization contract has not been executed.	December 1997
M-92-04	Complete transfer of all 300 Area Cs/Sr to WESF and/or an approved storage location.	December 1998
M-92-05	Inclusion of Hanford site Cs/Sr "treatment and/or repackaging parameters" in DOE TWRS phase II Request For Proposals (treatment and/or repackaging of all remaining Cs/Sr).	June 2003
	UNIRRADIATED URANIUM	
MX-92-06-T01	Complete commercial disposition and/or the acquisition of new facilities, modification of existing facilities, and/or modification of planned facilities necessary for storage, treatment/processing, and disposal/disposition of all Hanford site UU. This target date includes all UU located in 300 Area Fuel Supply Facilities (Uranium dioxide powder and pellets stored in cans, pins, assemblies, and drums), Uranium Trioxide (UO3) powder stored in T-hoppers adjacent to the U Plant, depleted UO3 stored in 55 gallon drums in the 200 West Area and the 4713 building.	December 2000
MX-92-07-T01	Submit Hanford Site UU Project Management Plan (PMP) to Ecology pursuant to Agreement Action Plan section 11.5. The UU PMP and accompanying Agreement change requests will establish all major project tasks and deliverables for treatment, storage, disposal of Hanford UU including sale or commercial sector management activities, modification of existing facilities, and/or construction of new facilities.	December 1997

MX-92-08-T01	Submit Hanford site UU Disposition Assessment Report. The Hanford Site UU Disposition Assessment Report shall include a facility needs assessment should UU treatment, repackaging, and/or consolidation be necessary. This report shall also include an assessment of expected impacts on other Agreement projects.	June 1998
	SODIUM	
M-92-09	Complete acquisition of new facilities, modification of existing facilities, and/or modification of planned facilities necessary for storage, treatment/processing, and disposal of Hanford site sodium.	TBE (by October 1998)
M-92-10	Submit Hanford Site Sodium Project Management Plan (PMP) to Ecology pursuant to Agreement Action Plan section 11.5. The Hanford Site Sodium PMP will include all plan elements required by Agreement Action Plan section 11.5. Should DOE determine (pursuant to the Hanford Site Sodium PMP and Agreement interim milestone M-50-03) that TWRS use of Hanford Site radioactive sodium (FFTF, Hallam & Sodium Reaction Experiment) is warranted, it shall specify in its TWRS, High Level Waste Vitrification Plant Request For Proposal(s) that use of Hanford site radioactive sodium is a requirement. Should the Hanford Site PMP and findings pursuant to Agreement interim milestone M-50-03 determine that TWRS use of Hanford site radioactive sodium is not warranted DOE shall issue accompanying proposed Agreement change requests for alternate Hanford Site radioactive sodium disposition (e.g., necessary milestones and target dates associated with the construction of the sodium reaction facility). See also Agreement target date M-81-02-T01.	October 1998
MX-92-11-T01	Complete disposition options for all Hanford non-radioactive sodium.	March 2002

_____	**Associated interim milestones and/or target dates established under other Agreement major milestones.**	
M-81-02-T01 (Revised)	Submit Final Sodium Disposition Evaluation Report/ Decision Point	June 1998
From TPA Amendment V	Under this target DOE will submit its final report following evaluation of the acceptable sodium product form for the TWRS tank sludge pretreatment process (i.e., caustic washing). This evaluation will be conducted in concert with TWRS TPA milestone M-50-03 (due date March 31, 1998). This Hanford Site radioactive (FFTF, Hallam, and Sodium Reaction Experiment) sodium evaluation will address other conversion options for disposal of the sodium if the product use for TWRS is not viable. Regardless of which option is selected, a new sodium reaction facility will be constructed adjacent to the sodium storage facility to convert the bulk metallic sodium to the appropriate chemical form. This report will include a decision on the final disposition of the Hanford Site radioactive sodium (e.g., disposal or reuse). Appropriate milestones and target dates will be established for construction and operation of the sodium reaction facility based on the option selected.	
	300 AREA SPECIAL CASE WASTE*	
	** (See attached inventory listing for description)*	
M-92-12	Complete acquisition of new facilities, modification of existing facilities, and/or modification of planned facilities necessary for consolidated storage prior to disposal of Hanford site 300 Area Special Case Waste (SCW).	September 2006
M-92-13	Submit 300 Area SCW Project Management Plan (PMP) to Ecology pursuant to Agreement Action Plan section 11.5. The 300 Area SCW PMP will include all plan elements required by Agreement Action Plan section 11.5. including but not limited to: (i) 300 Area SCW wastes and materials inventory (buildings 325, 327, and other 300 Area buildings/facilities), (ii) characterization and hazardous waste designation results associated with inventory wastes and materials, (iii) detailed descriptions of phases I,II, and III SCW removal, transport and storage, and (iv) an analysis of the sufficiency of site wide SCW storage capabilities.	September 2000
M-92-14	Complete removal and transfer, and initiate storage of phase I 300 Area SCW waste and materials. Phase I inventory will consist of, at minimum, one-third the total curie content of all 300 Area SCW.	September 2002

M-92-15	Complete removal and transfer, and initiate storage of phase II 300 Area SCW waste and materials. Phase II inventory will consist of, at minimum, half of the remaining curie content of 300 Area SCW.	September 200
M-92-16	Complete removal and transfer, and initiate storage of phase III 300 Area SCW wastes and materials. Phase III inventory will consist of any remaining 300 Area SCW wastes and materials.	September 2006
_____	Associated interim milestones established under other TPA major milestones.	
M-89-05	Complete 324 Facility SCW Assessment in support of 324 closure.	June 1998

(Reference
TPA
Amendment V)

A:\M929601.614

LISTING OF SPECIAL WASTES AND MATERIALS IN THE 300 AREA CATEGORIZED AS "300 AREA SPECIAL CASE WASTE" UNDER THE TPA M-92 MILESTONE
JUNE 13, 1996

The attached list describes the inventory of wastes and materials in the 300 Area which are subject to the requirements of the M-92 milestones for "300 Area Special Case wastes" (SCW). For purposes of developing this inventory, SCW is considered to be radioactive waste generated by DOE-funded activities for which there is no economic disposal or storage pathway provided via the most recent version of the "Hanford Site Solid Waste Acceptance Criteria", WHC-EP-0063. Material residues in building systems (such as particulates in ventilation systems which are still active) are not included. Typical SCW types in the 300 Area include:

- - > Cat3 Low-level Waste (GTC3LLW)
- High-activity, high dose rate streams of:
  - Low-level mixed waste (LLMW)
  - Transuranic and transuranic mixed waste (TRU/TRUM)
- Residual material from the testing of irradiated fuel. These residues are comprised of fuel pin fragments, dispersed particulate, and/or chemically altered fuel that cannot be readily retrieved and packaged with the fuel assemblies and intact pins.

The inventory was developed through consultation with staff responsible for the materials and with environmental support personnel. The inquiry was focused on areas (such as hot cells) which were judged to be likely locations for SCW, although non-hot cell facilities were also queried.

The inventory reflects best judgement as to which materials meet the definition of SCW. For instance, several fuel assembly-type materials in inventory are not shown because it is believed that the fuel can be readily retrieved, packaged with their assemblies, and managed pursuant to the requirements for spent fuel.

Omitted from this inventory is any material covered under other existing and currently proposed milestones, such as M-89, M-90, M-91, or covered under other portions of M-92 (e.g., 324 B-Cell and BLV tank wastes, unirradiated uranium, spent nuclear fuel, cesium and/or strontium capsules).

This 300 Area SCW inventory will be updated as necessary. Updates may be necessary in the event that the WHC-EP-0063 acceptance criteria are revised or that additional 300 Area wastes and materials are identified during the planned facility waste and material assessments or during disposition activities for the identified wastes and materials. As a result, this inventory list may increase or decrease over time.

Summary Information for Proposed M-92 Milestones on Special Case Waste In The 300 Area
(May 30, 1996)

300 Area Location	Location In Building	Waste/Material	Approximate Wt/Vol/Ci	Risk	Comment
324 Bldg	A-Cell	German Glass Logs	34 cans, 12 in X 48 in, 8.3 MCi total	low	Funding is in place from Germany to remove.
	D-Cell	Nonfuel Bearing Hardware		low	Funding for removal is in place.
	Basement	Neptunium Oxide Powder (basement)	0.05 Kg	low	
325 Bldg, 325-A Cells					
	B-Cell	Pieces of Fuel Rod Material and Pines From Fuel Rods-- (Shippingsport, Yankee, and Saxton Fuel)	1.2 Kg, 1.1 Ci		In a 2" Swagelock Nipple labeled as B-Cell Blend
	B-Cell	Fragments of Yankee Fuel	1.7 Kg, 1.8 Ci		3" x 3' Pipe
	B-Cell	Saxton Fuel-derived Plutonium	5.7 g, 0.5 Ci		2" x 1' Pipe labeled as Saxton Fuel
	B-Cell	Np-237	23 mCi		In TK-13 (A tank under the tray in B-Cell). A nitrate solution.
	Gloveboxes	Dissolved N-Reactor Fuel (unirradiated)	5.8 Kg		Room 516-- 5.8 Kg In Nitric Acid

300 Area Location	Location in Building	Waste/Material	Approximate Wt/Vol/Ci	Risk	Comment
325 Bldg. 325-B Cells (Note: These cells are part of the 325 HWTUs, an interim status storage and treatment unit)	Cell 1	1. RII-TRU mixed waste from TWRS tank characterization	1. (20) 5-quart containers		1. Dose rate precludes economical packaging for transfer to CWC.
		2. RII-TRU miscellaneous hot cell dry waste with fuel pieces mixed in.	2. (30) 1-gallon containers.		2. ~1/3 of containers grouted. ~2/3 of containers not grouted.
		3. High dose rate hot cell waste, incl. cladding, cell wipes, misc.	3. (35) 4&5 quart containers.		3. High dose rate LLW and/or TRU waste. No hazardous constituents.
	Cell 3	Oxides of pieces of irradiated fuel.	17 sections of pipe with diameters 1-3", length 6-12".		Fragmented fuel segments, includes chopped up cladding.
327 Bldg	A-Cell	Fines of fuel.	~150+ 1-gallon buckets.		Stored throughout hot cells.
	D-Cell	Pieces of irradiated fuel pellets.	Stored in Al tubes 3/4" diam, 1-2' long.		Fuel originally from Peachbottom, HB Robinson, Turkey Point.
	E-Cell	Pieces of irradiated fuel pellets.	Stored in Al tubes 3/4" diam, 1-2' long.		Fuel originally from Peachbottom, HB Robinson, Turkey Point.
	F-Cell	Solvent-contaminated wipers, sorbents, etc.	1-2 1-gallon cans		Waste isolated from fuel cans in A-Cell

300 Area Location	Location in Building	Waste/Material	Approximate Wt/Vol/Ci	Risk	Comment
	Water Storage Basin	Spent ion exchange column.	SS pipe, 16' long, 2' diameter, dose rate ~200 R/hr.	low	Column used for removal of Cs-134, Cs-137, possible TRU.
	Dry Storage Cell	1. Pieces of irradiated fuel pellets.	1. ~100 small tin cans. Cans limited to 7g fissile.		1. Pellets and pieces are stored in Al tubes within cans.
		2. Pieces of irradiated fuel pellets.	2. Stored in Al tubes 3/4" diam, 1-2' long.		2. Fuel originally from Peachbottom, HB Robinson, Turkey Point.
		3. Pieces of irradiated fuel pellets embedded in resin blocks.	3. ~400 small cans, ~1.5g fuel material per resin block, <7 g material per can.		3. Each resin block contains ~ half a fuel pellet.
NonPNNL Bldgs in 300 Area					
340	Throughout	Tank heels and heels in ancillary equipment and containment structures (and/or decontamination waste resulting from future closure activities)	TBD	low	This system is still in service, but will be closed at a date to be determined soon. Removal from service is expected in or before 1999, at which time closure activities would begin.
340-A	Throughout	Tank heels (sludge) which has settled out from waste held in the tanks	60-120 ft³	low	The sludge in these tanks is category 3 TRU-mixed waste.

Attachment 6

300 Area Facility Transition General Topics
Project Managers Meeting
Federal Building/Room 340, Richland, Washington

September 25, 2003
3:00 pm – 3:30 pm

Presentation from the June 24, 2003, Tri-Party Agreement Quarterly Milestone Review Meeting

Nuclear Materials and Facility Stabilization

Milestone TPA-M-92

IAMIT Meeting June 24, 2003
Tri-Party Agreement
Quarterly Milestone Review Report

Ecology Program Manager – FW Bond
DOE-RL Program Manager – DT Evans
FH Environmental Sponsor – DE Rasmussen

Milestone M-92-00 Interim Milestones and Target Dates

Milestone	Description	Target Date	Status
M-92-00	Complete acquisition of new facilities, modification of existing facilities, and/or modification of planned facilities necessary for the storage, treatment/processing, and disposal of Hanford Site cesium and strontium capsules (Cs/Sr), bulk sodium (Na) and sodium-potassium alloy (NaK), and 300 Area Special Case Waste (SCW).	TBD	TBD
M-92-01	Complete commercial disposition and/or acquisition of new facilities, modification of existing facilities, and/or modification of planned facilities necessary for sitewide consolidation and storage prior to commercial use or treatment and/or repackaging by DOE-TWRS.	12/31/09	On schedule
M-92-05	Inclusion of Hanford Site Cs/Sr "treatment and/or repackaging parameters" in DOE TWRS Phase II Request for Proposals (treatment and/or repackaging of all remaining Cs/Sr).	6/30/03	In ORP Review
MX-92-06-T01	Complete commercial disposition and/or acquisition of new facilities, modification of existing facilities, and/or modification of planned facilities necessary for the storage, treatment/processing, and disposal/disposition of all Hanford Site U. Complete the disposal/disposition of ~5 metric tons of UO_2 source materials located in the 300 Area Fuels Supply Shutdown Facilities and source material located in 325 and 2718-E and complete the disposition of ~235 metric tons of uranium billets located in the 300 Area.	12/31/01	Complete
MX-92-06-T02	Complete the disposal/disposition of ~135 metric tons of un-irradiated contaminated fuel located in the 300 Area and 5 metric tons of misc U source material located in all 300 and 200 Area Fuel Supply Shutdown (FSS) Facilities, and complete the disposal/disposition of ~825 metric tons of un-irradiated fuel source materials located in the 300 Area FSS Facilities.	9/30/06	On Schedule
M-92-09	Complete acquisition of new facilities, modification of existing facilities, and/or modification of planned facilities necessary for the storage, treatment/processing, and disposal of Hanford Site sodium	In Abeyance	Change Request
M-92-10	Submit Hanford Site Sodium Project Management Plan (PMP) to Ecology pursuant to Agreement Action Plan Section 11.5.	In Abeyance	Change Request

Milestone M-92-00 Interim Milestones and Target Dates (cont'd)

Milestone	Description	Target Date	Status
MX-92-11-T01	Complete disposition options for all Hanford non-radioactive sodium.	9/30/04	On schedule
M-92-12	Complete acquisition of new facilities, modification of existing facilities, and/or modification of planned facilities necessary for consolidated storage, prior to disposal of Hanford Site 300 Area SCW and materials.	9/30/06	On schedule
M-92-13	Submit 300 Area SCW PMP to Ecology pursuant to Agreement Action Plan, Section 11.5.	9/30/00	Complete
M-92-14	Complete removal and transfer, and initiate storage of Phase I 300 Area SCW and materials. Phase I inventory will consist of, at minimum, one-third the total curie content of all 300 Area SCW.	9/30/02	Complete
M-92-15	Complete removal and transfer, and initiate storage of Phase II 300 Area SCW and materials. Phase II inventory will consist of, at minimum, half the remaining curie content of 300 Area SCW.	9/30/04	Complete
M-92-16	Complete removal and transfer and initiate storage of Phase III 300 Area SCW and materials.	9/30/06	On schedule

Program Manager's Assessment

since last quarterly review

- **Environmental - Excellent**
  - No negative environmental impacts or issues have arisen out of the storage and/or handling, packaging, or transportation of the Special Case Waste (SCW) inventory
- **Safety - Excellent**
  - No negative safety impacts or issues have arisen out of the storage and/or handling, packaging, or transportation of the SCW inventory
- **Budget - Excellent**
  - Key milestone M-92 activities are being completed within budget

Program Manager's Assessment (cont'd)

since last quarterly review

- **Schedule - Good**
  - **MX-92-06-T02**
    - No activities are planned for the next 3 months
  - **M-92-09 and M-92-10**
    - A draft change request has been submitted to reinstate these milestones with revised due dates
  - **MX-92-11-T01**
    - Responses to a Request for Proposal for removing sodium residues from the two large tanks in 337B have been evaluated and contract negotiation is in progress
  - **M-92-16**
    - Ahead of schedule overall. No Special Case Waste (SCW) packaging/shipment activities performed this quarter at 327 Building

Significant Planned Actions

next three months

- **M-92-09 and M-92-10**
  - Complete negotiations and approve change package
- **MX-92-06-T02**
  - If funded, revise existing Safety Analysis Report for Packaging (SARP) to allow on-site shipment of remaining 825 metric tons of fuel assemblies
- **MX-92-11-T01**
  - Establish contract for cleaning the sodium residuals from the 337B Composite Reactor Component Test Activity (CRCTA) vessel. Cleaning of 3718M and final rinsing and drying of both tanks will be self-performed on schedule to meet 9/30/04 target
  - Ship the 337B sodium cold trap to ANL-W for recycle
- **M-92-16**
  - Ahead of schedule, no additional SCW packaging/shipping activities planned for 327 facility next quarter

Project Summary

- **M-92-05:** To be covered in ORP Milestone Review
- **MX-92-06-T02:** On schedule
- **M-92-09:** Negotiating draft change request
- **M-92-10:** Negotiating draft change request
- **MX-92-11-T01:** On schedule
- **M-92-12:** On schedule. At this time there are no additional facilities identified as needed to store 300 Area Special Case Waste
- **M-92-15:** Complete
- **M-92-16:** On schedule. No further Special Case Waste packaging/shipping activities planned at 327 Building until after the new River Corridor Contract is in place. All 300 Area SCW has already been removed from 325 and 324 Buildings at this time. Only 327 and 340 Buildings SCW remains in the 300 Area

Attachment 7

300 Area Facility Transition General Topics
Project Managers Meeting
Federal Building/Room 340, Richland, Washington

September 25, 2003
3:00 pm – 3:30 pm

LDR Storage Assessment Status as of July 17, 2003

LDR Storage Assessment Status as of July 17, 2003

- 324 and 327 Buildings LDR Storage Assessments have been completed.
    - Final assessment report was presented to Ecology in the May 29, 2003 PMM.

- 300 Area Facilities LDR Storage Assessments will be completed per the attached schedule.
    - The 333 and 314 Buildings LDR Storage Assessment was kicked off March 21, 2003.
    - The 3708 Building LDR Storage Assessment was kicked off June 26, 2003.
    - Building walkdowns for 333, 314, and 3708 Buildings were performed July 1, 2003.
    - Assessments for the 309 and 3711 Buildings will not be performed per agreement with Laura Ruud.
    - Preparation of the assessment report for 333, 314, and 3708 is underway. The finalized report will be presented to Ecology in a future PMM.
    - The 300 Area General LDR Storage Assessment will be kicked off 3rd quarter CY2003. Scope and ownership are currently being determined.

DOE-RL LDR Storage Assessment Schedule		
DOE LDR Storage Assessment period	Assessment scope/Facility	Responsible contractor
1st quarter CY2002	224-T	FH: RL will issue assessment report per June 25, 2002 letter.
2nd quarter CY2002	3720	PNNL
3rd quarter CY2002	327	FH[1] FH will complete assessment
4th quarter CY2002	324	FH[1] FH will complete assessment
1st quarter CY2003	333 314	FH[1]
2nd quarter CY2003	3708 309 3711	FH[1]
3rd quarter CY2003	300 Area General	No clear ownership. FH will perform a cooperative review with other site organizations.
4th quarter CY2003	340/340A/340B/300-RLWS	FH[1]
1st quarter CY2004	K Basin East	FH
2nd quarter CY2004	K Basin West	FH
	100 Area Reactor Auxiliaries (excluding reactors)	BHI[1]
3rd quarter CY2004	100 Area General (everything but reactors and reactor auxiliaries)	BHI[1]
4th quarter CY2004	SNF Complex	FH
1st quarter CY2005	252U 2711E 241-CX	FH
2nd quarter CY2005	618-4 ERDF	BHI[1]
3rd quarter CY2005	T Plant	FH
4th quarter CY2005	200 Area General - 200 Area North - Railcar staging areas	FH
1st quarter CY2006	231-Z 241-Z-361	FH
2nd quarter CY2006	6 IMUSTS (200 Area non tank farms not associated with buildings)	FH
3rd quarter CY2006	400 Area General - 4734D	FH
4th quarter CY2006	224-B	FH
1st quarter CY2007	242-B/BL	FH
1 = will be transitioned to new River Corridor Contractor		