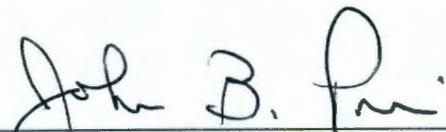
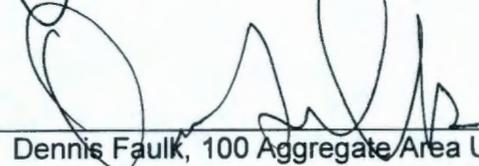


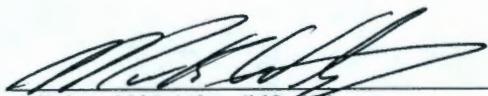
Meeting Minutes Transmittal/Approval
Unit Managers' Meeting
100 Area Remedial Action and Waste Disposal Unit/Source Operable Unit
3350 George Washington Way, Richland, Washington
November 2002

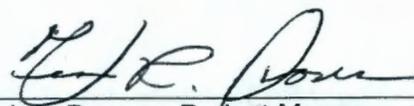
APPROVAL:  Date 2/14/03
Chris Smith, 100 Area Unit Manager, RL (H0-12)

APPROVAL:  Date 2-27-03
John Price, 100 Aggregated Area Unit Manager, Ecology (B5-18)

APPROVAL:  Date 2-19-03
Dennis Faulk, 100 Aggregate Area Unit Manager, EPA (B5-01)

RECEIVED
APR 03 2003
EDMC

Prepared by:  Date 3-4-03
Michael Wetzler (H0-17)

Concurrence by:  Date 3/11/03
Vern Dronen, Project Manager
BHI Remedial Action and Waste Disposal Project (H0-17)

Distribution

Unit Managers' Meeting: 100 Area Remedial Action Unit/Source Operable Units

Glenn Goldberg	DOE-RL, RP (A3-04)
Mary Jarvis	DOE-RL, RP (A5-15)
Owen Robertson.....	DOE-RL, RP (A3-04)
Chris Smith.....	DOE-RL, RP (A3-04)
Jon Yerxa	DOE-RL, RP (A5-15)
Lisa Treichel	DOE-HQ (EM-442)
John Price.....	WDOE (Kennewick) (B5-18)
Matt Mills	WDOE (Kennewick) (B5-18)
Wayne Soper.....	WDOE (Kennewick) (B5-18)
Dennis Faulk.....	EPA (B5-01)
Randy Acselrod	Washington Dept. of Health
Debora McBaugh.....	Washington Dept. of Health
Richard Jaquish.....	Washington Dept. of Health
Eileen Murphy-Fitch	FD (A1-14)
John April.....	BHI (L6-06)
Ella Feist.....	CHI (H9-03)
Frank Corpuz.....	BHI (H0-17)
Michelle Coy	CHI (H9-02)
Rick Donahoe	BHI (X5-60)
Jack Donnelly	BHI (H0-17)
Jon Fancher.....	CHI (X5-60)
Rex Miller.....	BHI (X3-40)
Mark Morton	BHI (X9-05)
Robert Nielson.....	BHI (X9-08)
Tom Kisenwether.....	BHI (X9-11)
Dean Strom	CHI (X3-40)
Jill Thomson	CHI (H9-03)
Michael Wetzler	BHI (H0-17)
Joan Woolard	BHI (H0-02)
Administrative Record	BHI (H0-09) 2 copies

Please inform Michael Wetzler (372-9562) – BHI (H0-17)
of deletions or additions to the distribution list.

UNIT MANAGERS MEETING MINUTES

3350 George Washington Way, 1B45

November 21, 2002

1:00 – 2:30 p.m. 100 Area 3350, 1B45

Groundwater

- 100 Area Open Action Items – None were discussed.
- 100 Area Open forum and discussion – Nothing was discussed.
- Aquifer Sampling Tube status – Annual sampling at the 100 K area is in progress. The samples that have been taken have gone to the lab. All locations where the tubes are installed have been identified except for 2 locations. The 2 locations will be accessed by the water and not by land. The eagle roosting in the area has not been affected. Some eagles have been seen up stream from where they are working. Once all samples are taken in the K Area they will move to 100 D and 100 H and finish with 100 B and 100 F. The results of all the samples will be published as a stand-alone document and will be included in the ground water report.
- PNNL (Mary Hartmen) stated that the DQO analysis plans are in the process of being revised. They are on hold at this time while some other issues can be resolved. It should be complete some time in March 2003.

100-BC-5 Groundwater OU

- Remediation and treatment status – was not discussed.

100-FR-3 Groundwater OU

- Remediation and treatment status – was not discussed.

100-HR-3 Groundwater OU

- Remediation treatment status – The system is operating at 190 to 220 gallons per minute. Well 119-H4-65 is shut down due to low water levels caused in part by reduced flow in the river.
- Vertical Profiling Results – Vertical profiling at a D-Area and H-Area wells, 119-D8-70 and 199-K-117A, should be discontinued. Data from these well indicates no stratification of chromium, the reason vertical profiling was originally performed. This also increases sampling costs with no added benefit. A graph showing concentrations collected during vertical profiling for 119-D8-70 and 119-K-117A,

hexavalent chromium was handed out (**Attachment 4**). A letter will be sent to DOE and the regulators with this recommendation and to obtain approval to discontinue profiling at these wells.

100-KR-4 Groundwater OU

- Remediation treatment status – The system is operating at 260 to 270 gallons per minute. One well (119-K-113) was shut down due to low water levels caused by reduced flow in the river. Work will start in mid December to drill a new extraction well and monitoring well.

100-NR-2 Groundwater OU

- Remediation treatment status – The system is operating at 65 gallons per minute. One well (119-N-175) was shut down due to low water levels caused by reduced flow in the river.

Review Open Action Items Log

- The open action item log was reviewed. Item number 37 is closed.

General Cross Over Items

- CVP status – The WIDS Site CVP Status Summary Table (**Attachment 5**) was handed out and reviewed. The CVP administrative process was briefly discussed.
- RESRAD Update – System has been updated to 6.21. A memo (**Attachment 6**) regarding the update was handed out.
- Review and approval of last UMM minutes – The last 5 months of meeting minutes were given to Jamie Zeisloft to take and get DOE's signature.

Remedial Action

100 Area Common

- ESD Status – Was not discussed because Dennis Faulk was not at the meeting.
- 100 Area RDR/RAWP Status - Has been issued by ERC and is being processed by DOE.
- 118-K-1 Design – Geophysical surveys of the burial grounds have been completed. Geophysical data generally confirms historical drawings in terms the locations of trenches and other features. The preliminary hazard classification was completed with a hazard classification of Nuclear Category 3. However, the final hazard

classification is in progress and it looks like the site will end up as a radiological facility. ERC has met with the spend nuclear fuel folks and they have discussed what needs to be done to have the fence line and road moved. The earliest that burial ground work remediation would begin would be while the fuel is being removed from K Basins.

100 F, K, and Group 4

- 100 F General status - Work at 100 F should be complete with in the next few weeks. One all the sampling is done backfill will start.
- 100 K General status – This are going well with mobilization at 100 K Area. Haul roads, access roads, and facilities are all in place. Should be running 70 containers per day by the first or second week of December. Jennifer Lindville will be coming out to train some of the workers on the eagle roosting. Mark Buckmaster is in communication with the tribes about the work that will be done.

100 N

- Project status – Things are going well at 100 N. They have excavated approximately 20,000 tons of material FY to date.
- Equipment decontamination – Since Ecology was not present this topic was not discussed.
- RCRA Permit Mod Status – Jon Fancher briefly discussed the schedule for the upcoming RCRA permit modifications for the 100-NR-1 TSD sites.
- 116-N-1 ESD – Jon Fancher noted there had recently been a HAB ER committee meeting that discussed the upcoming ESD. Jack Donnelley added that at the meeting there were no negative comments made regarding turning off the modeling assumption of 30-inches of irrigation.

100 B/C

- Project status – A map (**Attachment 7**) of the 100 B/C Area was handed out and Dean Strom went over the work that is being done. Approximately 4,000 LM of pipe has been removed so far.
- The status of the B/C Risk Pilot Study was briefly discussed. Thing are moving ahead with the pilot study and they would like to begin sampling as early as March if at all possible. There is a workshop planned in December.

105F Fuel Storage Basin

- The fuel storage basin has been removed and the Group 4 RAWD Project is still working on removing some pipelines that are next to the Reactor. A proposal for deferring sections of the 105-F Fuel Storage Basin was sent to DOE, EPA and Ecology (**Attachment 8**) and it was agreed upon via e-mail (**Attachment 9**).
- The roof contractor will be coming in soon to put the new roof on the 105-F Reactor. They will need the area around the reactor backfilled so that their equipment can be moved in there to do the work.

Other

- Nothing else was discussed.

Attachments

Meeting Attendance Sheet – **Attachment 1**

Meeting Agenda – **Attachment 2**

Meeting Minutes – **Attachment 3**

Vertical Profiling Results Data Sampled – **Attachment 4**

WIDS Site CVP Closeout Summary Table – **Attachment 5**

Updating RESRAD 6.2 to RESRAD 6.21 memo – **Attachment 6**

100 B/C Status Map – **Attachment 7**

Write up on deferring sections of the 105-F Fuel Storage Basin – **Attachment 8**

E-mail with DOE, EPA, and Ecology approval for deferring part of the 105-F Fuel Storage Basin – **Attachment 9**

Attachment #1

Attachment #2

100 AREA UNIT MANAGERS MEETING AGENDA

3350 George Washington Way, Room 1B45
November 21, 2002

1:00 – 4:00 p.m. 3350 GWW RM 1B45

Groundwater

- 100 Area Open Action Items
- 100-Area Open forum and discussion
- Aquifer Sampling Tube status
- 100-BC-5 and 100-FR-3 DQO status

100-BC-5 Groundwater OU

- Remediation treatment status

100-FR-3 Groundwater OU

- Remediation treatment status

100-HR-3 Groundwater OU

- Remediation treatment status
- Vertical Profiling Results

100-KR-4 Groundwater OU

- Remediation treatment status
- Cultural resources are being looked at right now.*

100-NR-2 Groundwater OU

- Remediation treatment status

Review Open Action Items Log

General Crossover Items

- CVP status
- RESRAD Update
- Review and approve last UMM minutes

Remedial Action

100 Area Common

- ESD Status
- 100 Area RDR/RAWP Status
- 118-K-1 Design

100 F, K, and Group 4

- 100 F General Status
 - Near Reactor Pipeline Backfill
- 100 K General Status

100 N

- Project Status
- Equipment Decontamination
- RCRA Permit Mod Status
- 116-N-1 ESD

100 B/C

- Project Status

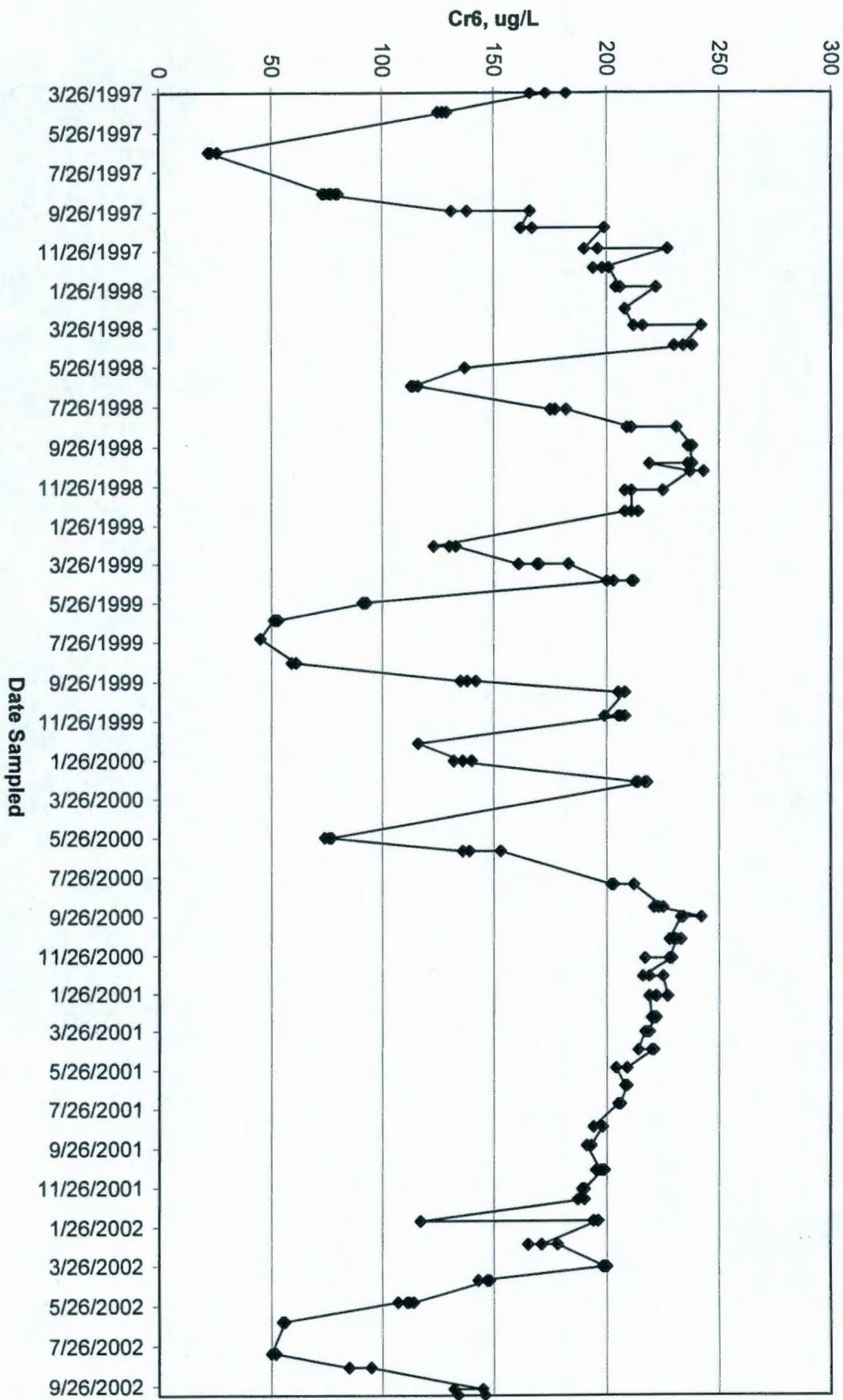
105F Fuel Storage Basin

- RAWD and D&D Interface at 105F Fuel Storage Basin
- Backfilling at 105 F Fuel Storage Basin by RAWD and D&D to support SSE subcontractor mobilization

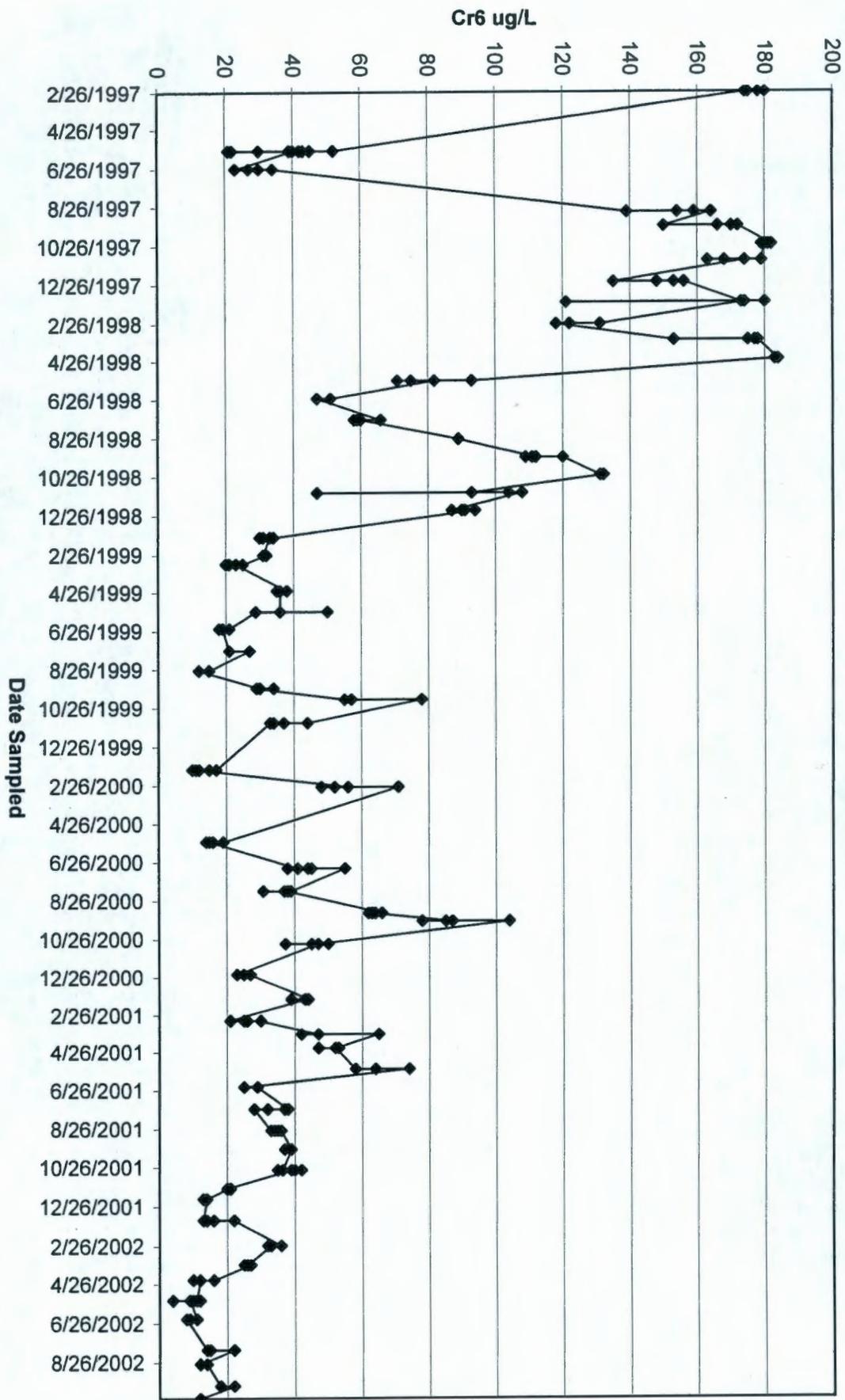
Other

100 Area Unit Managers Meeting Action Items Log								
Action #	Action/Subject	Assigned To	Owed To	Assigned Date	Original Due Date	Adjusted Due Date	Date Completed	Status
35	ERC will draft/develop a new approval mechanism for sampling instructions.	Frank Corpuz	Dennis Faulk	6/28/2001	6/28/2002	April March 03		On hold pending revision of the CSAP
	Approval letter for the 100-NR-1 RDR/RAWP Rev. 2	John Price	Glen Goldberg	1/24/2002	5/13/2002			
	Next available number is 38							

Attachment #4



D8-70 Cr6



K117A, Cr6

Attachment #5

WIDS Site CVP Closeout Summary Table

WIDS Site Closeout	CVP Doc. No. documenting WIDS site closeout	EPA/ Ecology WIDS Signoff	Issue Rev. 0 CVP
100 B/C Area			
116-B-13	CVP-1999-00002	7/22/99	7/1999
116-B-14	CVP-1999-00003	7/22/99	7/1999
116-C-1	CVP-1998-00006	1/21/99	1/1999
116-B-1	CVP-1999-00012	12/8/1999	12/1999
116-B-11	CVP-1999-00001	12/8/1999	12/1999
116-C-5	CVP-1999-00004	12/8/1999	12/1999
116-B-4	CVP-1999-00014	2/24/2000	3/3/2000
116-B-6B	CVP-1999-00017	2/24/2000	3/3/2000
116-B-9	CVP-1999-00009	2/24/2000	3/3/2000
116-B-2	CVP-1999-00015	2/24/2000	3/3/2000
116-B-3	CVP-1999-00013	2/24/2000	3/3/2000
116-B-10	CVP-1999-00010	2/24/2000	3/3/2000
116-B-12	CVP-1999-00008	2/24/2000	3/3/2000
116-C-2A			
116-C-2B	CVP-1999-00019	3/15/2000	3/28/1999
116-C-2C			
116-B-6A	CVP-1999-00011	5/17/2000	5/26/2000
116-B-16			
116-B-7			
132-B-6	CVP-2002-00003	7/25/2002	8/6/2002
132-C-2			
100-B-6	CVP-2002-00012	(Review Draft 8/12/03; Signoff 9/30/03)	
100-C-8			
100 D Area			
100-D-4 (107D5)	CVP-98-00004	3/25/1999	3/1999
100-D-20 (107D3)	CVP-98-00003	3/25/1999	3/1999
100-D-21(107D2)	CVP-98-00002	3/25/1999	3/1999
100-D-22 (107D1)	CVP-98-00001	3/25/1999	3/1999
1607-D2		closed	
1607-D2:1 Tile Field	CVP-98-00005	3/25/1999	3/1999
Septic Pipelines	CVP-2000-0004	9/26/2000	9/2000
Septic Tank	CVP-99-00005	11/23/1999	12/1999
116-DR-9	CVP-99-00006	1/6/2000	1/2000
100-D-25			
116-D-7	CVP-99-00007	8/15/2000	8/2000
100-D-18 (107D4)	CVP-2000-00001	9/26/2000	10/2/2000
116-DR-1			
116-DR-2	CVP-2000-00002	9/26/2000	9/27/2000
100-D-48		closed	
100-D-48:1 (Grp 2 North Pipelines)	CVP-2000-00003	3/14/2001	3/2001
100-D-48:2 (Grp 2 West Pipelines)	CVP-2000-00005	9/26/2000	10/2/2000
100-D-48:3 (Grp 3 Large Pipelines)	CVP-2000-00034	4/20/2001	4/20/2001
100-D-48:4 (Grp 3 Small Pipelines)	CVP-2000-00033	4/17/2001	4/20/2001
100-D-19	CVP-2000-00003	3/14/2001	3/2001
UPR-100-D-4			
100-D-49		closed	
100-D-49:1 (Grp 2 North Pipelines)	CVP-2000-00003	3/14/2001	3/2001
100-D-49:2 (Grp 2 East Pipelines)	CVP-2000-00005	9/26/2000	10/2/2000
100-D-48:3 (Grp 3 Large Pipelines)	CVP-2000-00034	4/20/2001	4/20/2001

WIDS Site CVP Closeout Summary Table

WIDS Site Closeout	CVP Doc. No. documenting WIDS site closeout	EPA/ Ecology WIDS Signoff	Issue Rev. 0 CVP
100 D Area (cont.)			
UPR-100-D-2	CVP-2000-00005	9/26/2000	10/2/2000
UPR-100-D-3			
100-D-5	CVP-2000-00034	4/20/2001	4/20/2001
100-D-6			
116-D-3	no CVP site rejected	5/17/2000	N/A
116-D-4	CVP-2000-00008	10/23/2000	10/31/2000
116-D-6	CVP-2000-00009	11/7/2000	11/9/2000
116-D-1A			
116-D-1B	CVP-2000-00010	3/12/2001	3/2001
100-D-46			
116-D-2	CVP-2000-00013	10/23/2000	10/25/2000
116-DR-6	CVP-2000-00014	10/23/2000	10/24/2000
116-DR-4	CVP-2000-00015	10/23/2000	10/25/2000
100-D-12	CVP-2000-00016	10/23/2000	10/26/2000
100-D-52	CVP-2000-00018	11/7/2000	11/9/2000
116-DR-7	CVP-2000-00019	9/26/2000	10/2/2000
116-D-9	CVP-2000-00012	3/23/2001	3/23/2001
100 H Area			
1607-H2	CVP-2000-00024	2/5/2001	2/2001
1607-H4	CVP-2000-00025	2/26/2001	2/26/2001
116-H-1	CVP-2000-00026	4/4/2001	4/11/2001
116-H-7	CVP-2000-00027	7/24/2001	8/1/2001
100-H-5	CVP-2000-00028	12/21/2000	12/21/2000
100-H-17			
116-H-2	CVP-2000-00031	3/6/2001	3/8/2001
100-H-2			
100-H-30			
100-H-21			
100-H-22	CVP-2000-00029	3/29/2001	3/29/2001
100-H-1			
100-H-24	CVP-2000-00030	5/9/2001	5/2001
116-H-3	CVP-2000-00032	4/3/2001	4/11/2001
100 N Area			
120-N-1			
120-N-2	CVP-2001-00021	3/28/2002	4/18/2002
100-N-58			
116-N-3	CVP-2002-00002	(9/26/2002)	
100 Area Misc. & 300 Area			
JA Jones	CVP-2001-00019	11/8/2001	12/10/2001
600-23	CVP-2001-00020	11/30/2001	12/17/2001
300-49 (Landfill 1A)	CVP-2001-00015	<i>(Review Draft 2/28/03; Signoff 4/17/03)</i>	
300-50 (Landfill 1B)	CVP-2001-00016	<i>(Review Draft 2/28/03; Signoff 4/17/03)</i>	
316-1 (South Process Pond)	CVP-2001-00018	<i>(Review Draft 10/4/03; Signoff 5/29/03)</i>	
618-4 (Burial Ground)	CVP-2001-000	<i>(Review Draft 7/3/03; Signoff 8/21/03)</i>	
628-4 (Landfill 1D)	CVP-2001-00017	<i>(Review Draft 4/10/03; Signoff 5/29/03)</i>	

WIDS Site CVP Closeout Summary Table

WIDS Site Closeout	CVP Doc. No. documenting WIDS site closeout	EPA/ Ecology WIDS Signoff	Issue Rev. 0 CVP
100 F Area			
116-F-4	CVP-2001-00006	11/8/2001	11/15/2001
116-F-5	CVP-2001-00007	8/16/2001	8/23/2001
1607-F6	CVP-2001-00010	11/8/2001	11/15/2001
UPR-100-F2	CVP-2001-00011	4/22/2002	5/7/2002
100-F-19:1	CVP-2001-00002	5/21/2002	6/10/2002
100-F-19:3			
100-F-34			
116-F-12			
100-F-40	site closed (No CVP)	2/15/2002	2/15/2002
116-F-14	CVP-2001-00009	7/11/2002	7/18/2002
100-F-2	CVP-2001-00001	7/25/2002	8/5/2002
100-F-15	CVP-2002-00001	7/25/2002	8/6/2002
100-F-4			
100-F-11			
100-F-16			
116-F-9	CVP- 2001-00008	10/16/2002	10/22/2002
116-F-2	CVP- 2001-00005	(Review Draft 1/13/03; Signoff 3/4/03)	
126-F-1	CVP- 2002-00002	(Review Draft 1/13/03; Signoff 3/4/03)	
100-F-35	CVP-2002-00007	(Review Draft 4/17/03; Signoff 6/6/03)	
116-F-1	CVP-2002-00009	(Review Draft 7/14/03; Signoff 9/2/03)	
116-F-3	CVP-2002-00008	(Review Draft 4/21/03; Signoff 6/10/03)	
116-F-6	CVP-2002-00010	(Review Draft 6/4/03; Signoff 7/24/03)	
116-F-10	CVP-2002-00006	(Review Draft 4/21/03; Signoff 6/10/03)	
1607-F2	CVP-2002-00005	(Review Draft 1/13/03; Signoff 3/4/03)	
100-F-19:2	CVP-2001-00003	(Review Draft 6/6/03; Signoff 7/28/03)	
116-F-11			

Attachment #6

FROM THE DESK OF:

JILL THOMSON
CH2M HILL HANFORD, INC.
372-9697/H9-01

TO: A. M. Nazarali
S. W. Clark
S. W. Callison
N. N. Smith-Jackson

J. D. Fancher
L. A. Dietz
M. A. Buckmaster
D. N. Strom

DATE: November 20, 2002

SUBJECT: Updating RESRAD 6.2 to RESRAD 6.21

Argonne National Laboratories (ANL) has recently updated the RESidual RADioactivity (RESRAD) computer code from version 6.2 to 6.21. Comparison of outputs from versions 6.2 and 6.21 show no changes in predicted dose rate or predicted excess cancer risk. It is recommended that all future RESRAD evaluations of residual waste site dose and risk for cleanup verification be done using version 6.21.

In the new version of RESRAD (version 6.21), the transfer factors default distributions for several radionuclides have been updated to match those listed in "*Development of Probabilistic RESRAD 6.0 and RESRAD-BUILD 3.0 Computer Codes*" (NUREG/CR-6697).

The RESRAD model uses a pathway analysis method in which the relation between radionuclide concentrations in soil and the dose to a member of a critical population group is expressed as a pathway sum, which is the sum of products of "pathway factors." Pathway factors correspond to pathway segments connecting compartments in the environment between which radionuclides can be transported or radiation emitted. Transfer factors pertain to the transport or emission of radiation from sources such as contaminated soil, livestock feed, or water, to corresponding food intake sources.

For example, the "Meat/Livestock-Intake Transfer Factors" in the RESRAD code are the ratios of radionuclide concentration in beef to the daily intake of the same radionuclide in livestock feed or water. There are similar transfer factors that relate plant and soil concentrations to root uptake, as well as concentration of a radionuclide in milk to the concentration of the same radionuclide in livestock feed and water. The two bioaccumulation transfer factors in RESRAD are the ratios of concentrations of a radionuclide in an aquatic food to the concentration of the same radionuclide in water.

Comparison of RESRAD dose and excess cancer risk outputs using version 6.2, to outputs using version 6.21 from the 116-F-9 Animal Waste Leaching Trench site cleanup verification data are shown in the tables below. The comparison shows no changes in predicted dose rate or predicted excess cancer risk from version 6.2 outputs to version 6.21 outputs.

C-14	0.69
Cs-137	0.021
Co-60	0.022
Eu-152	0.049
Sr-90	1.4

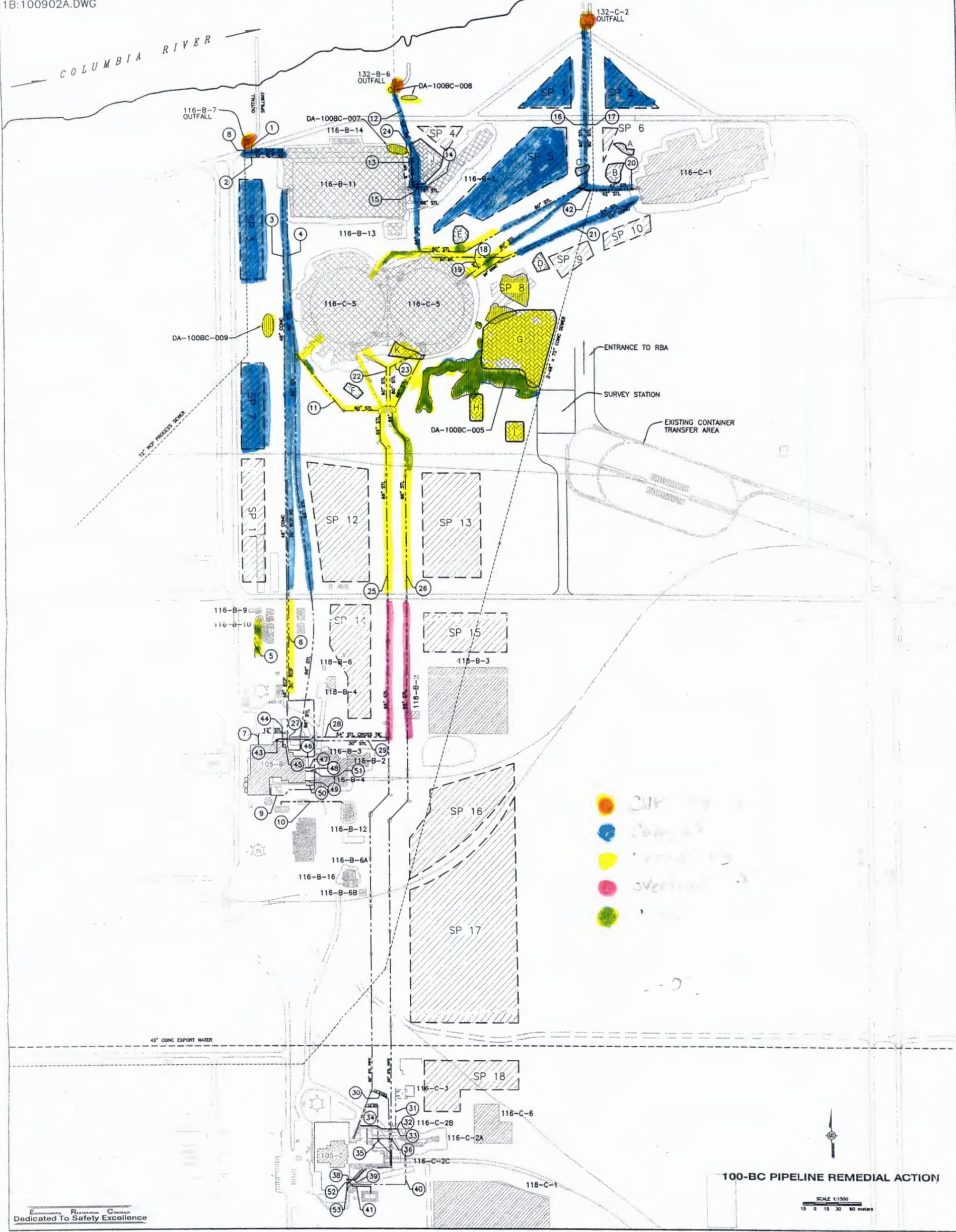
RESRAD Run #	RESRAD Version	"All Pathways" Dose Contributions in mrem/yr at Each Time Slice (yr)								
		0	1	3	7	16	42	100	300	1000
1	Version 6.2	5.0E+00	4.5E+00	4.1E+00	3.7E+00	2.9E+00	1.5E+00	3.6E-01	2.9E-03	1.2E-10
2	Version 6.21	5.0E+00	4.5E+00	4.1E+00	3.7E+00	2.9E+00	1.5E+00	3.6E-01	2.9E-03	1.2E-10

RESRAD Run #	RESRAD Version	Excess Cancer Risk at Each Time Slice (yr)								
		0	1	3	7	16	42	100	300	1000
1	Version 6.2	6.0E-05	5.8E-05	5.4E-05	4.9E-05	3.8E-05	2.0E-05	4.9E-06	3.9E-08	1.7E-15
2	Version 6.21	6.0E-05	5.8E-05	5.4E-05	4.9E-05	3.8E-05	2.0E-05	4.9E-06	3.9E-08	1.7E-15

A summary of changes to the RESRAD code can be viewed in the Version History section of ANL's RESRAD web site (<http://web.ead.anl.gov/resrad/home2/reshstry.cfm>), and the document "Development of Probabilistic RESRAD 6.0 and RESRAD-BUILD 3.0 Computer Codes," NUREG/CR-6697, can be viewed in the Documents section at <http://web.ead.anl.gov/resrad/documents/>.

Attachment #7

COLUMBIA RIVER



- CIV
- [unclear]
- [unclear]
- [unclear]

100-BC PIPELINE REMEDIAL ACTION

SCALE 1:1500
15 0 15 30 60 meters

Environmental Remedial Contract
Dedicated To Safety Excellence

Attachment #8

**Deferring Sections of the 105-F Fuel Storage Basin
Adjacent and Side Slope Soils
To Remedial Action/Waste Disposal Project
November 7, 2002**

I. Background

Decontamination and decommissioning of the 105-F Fuel Storage Basin (FSB) by Decommissioning Projects is nearing completion. Once demolition material has been removed and the excavation prepared, underlying, adjacent and side-slope soils will be subjected to interim closure sampling prior to backfill. Concurrent with these activities, the Remedial Action/Waste Disposal (RA/WD) Project will be excavating and removing piping near the FSB. These excavations are expected to encroach on the east and south FSB adjacent and side-slope soil areas.

II. Discussion

The *Sampling and Analysis Plan for the 105-F Phase IV Fuel Storage Basin* (DOE/RL 2000) contains specific requirements for conducting interim closure sampling of 105-F FSB underlying, adjacent and side-slope soils. *Underlying soils* are those soils directly underlying the FSB footprint. *Adjacent soils* are those soils adjacent to and extending 10 feet beyond the FSB footprint. *Side-slope soils* are those soils remaining in the sloped areas on each side of the final excavation. This sampling and analysis plan requires that interim closure soil sampling methodologies be consistent with those contained in the *100 Area Remedial Action Sampling and Analysis Plan* (DOE/RL 1996). Thus, sampling of the remaining adjacent and side-slope soils by either project will follow the same methodology.

The portions of the excavations created during RA/WD pipeline removal activities within the FSB adjacent and side-slope soil areas will be closed out in accordance with the *100 Area Remedial Action Sampling and Analysis Plan* (DOE/RL 1996), except that the COC's for these areas will be those listed in the *Sampling and Analysis Plan for the 105-F Phase IV Fuel Storage Basin* (DOE/RL 2000). The *Action Memorandum for the 105-F and 105-DR Reactor Buildings and Ancillary Facilities* (Ecology, et al.) allows the deferral of soils to the RA/WD project with concurrence from Ecology and EPA.

III. Conclusion

In accordance with The *Action Memorandum for the 105-F and 105-DR Reactor Buildings and Ancillary Facilities* (Ecology, et al.), the 105-F FSB's south and east adjacent and side-slope soils will be deferred to RA/WD and will be closed out with the 100 F Pipelines (100-F-19).

IV. References

DOE/RL, 1996, *100 Area Remedial Action Sampling and Analysis Plan*, DOE/RL-96-22, Rev. 3, U.S. Department of Energy, Richland Operations Office, Richland, Washington.

DOE/RL, 1998, *Removal Action Work Plan for 105-DR and 105-F Building Interim Safe Storage Projects and Ancillary Buildings*, DOE/RL-98-37, Rev. 5, U.S. Department of Energy, Richland Operations Office, Richland, Washington.

DOE/RL, 2000, *Sampling and Analysis Plan for the 105-F Phase IV Fuel Storage Basin*, DOE/RL-2000-54, Rev. 0, U. S. Department of Energy, Richland Operations Office, Richland, Washington.

Ecology, EPA, and DOE, 1998, *Action Memorandum for the 105-F and 105-DR Reactor Buildings and Ancillary Facilities, Hanford Site, Benton County, Washington*, CCN 059850, approved July 14, 1998, Washington State Department of Ecology, U.S. Environmental Protection Agency Region X, and U.S. Department of Energy, Richland, Washington.

Attachment #9

Nielson, Robert R

From: Bond, Rick (ECY) [FBON461@ECY.WA.GOV]
Sent: Wednesday, November 13, 2002 4:43 PM
To: 'Dennis_A_Faulk@RL.gov'; RRNielso@mail.bhi-erc.com
Cc: Douglas_C_Chris_Smith@rl.gov; Ellen_B_Dagan@rl.gov; RPHencke@mail.bhi-erc.com; MAMihali@mail.bhi-erc.com; MrMorton@mail.bhi-erc.com; etfeist@mail.bhi-erc.com
Subject: RE: Proposal to Defer Sections of the 105-F Fuel Storage Basin Adjacent and Side Slope Soils To Remedial Action/Waste Disposal Project

Ecology concurs.

-----Original Message-----

From: Dennis_A_Faulk@RL.gov [mailto:Dennis_A_Faulk@RL.gov]
Sent: Tuesday, November 12, 2002 3:59 PM
To: RRNielso@mail.bhi-erc.com; Bond, Rick (ECY)
Cc: Douglas_C_Chris_Smith@rl.gov; Ellen_B_Dagan@rl.gov; RPHencke@mail.bhi-erc.com; MAMihali@mail.bhi-erc.com; MrMorton@mail.bhi-erc.com; etfeist@mail.bhi-erc.com

Subject: RE: Proposal to Defer Sections of the 105-F Fuel Storage Basin Adjacent and Side Slope Soils To Remedial Action/Waste Disposal Project

I concur.

-----Original Message-----

From: Nielson, Robert R
Sent: Thursday, November 07, 2002 4:18 PM
To: Faulk, Dennis A; Bond, Rick
Cc: Smith, Douglas C (Chris); Dagan, Ellen B; Henckel, Robert P; Mihalic, Michael A; Morton, Mark R; Feist, Ella T; Nielson, Robert R

Subject: Proposal to Defer Sections of the 105-F Fuel Storage Basin Adjacent and Side Slope Soils To Remedial Action/Waste Disposal Project

Dennis/Rick-

At the request of Chris Smith of DOE, I'm forwarding you the subject proposal for your review. As I will be out of the office next week, please contact either Ella Feist (372-9140) or Mark Morton (373-1628) with any comments or questions.

To accommodate timely mobilization of the safe storage enclosure sub-contractor, we would also like to discuss the option of back-filling the 105-F FSB excavation after a review of variance sampling results and prior to the receipt of off-site laboratory verification results. We would be willing to meet to discuss these issues if you feel it necessary. Thanks,

Robert Nielson

Office: 373-0089

Cell: 521-0877

Pager: 85-4134

<< File: f fsb slide slope sampling.final.doc >>