



Department of Energy
Richland Operations Office
P.O. Box 550
Richland, Washington 99352

July 29, 2010

Certified Mail

Mr. Alec Osenbach
Heart of America Northwest
1314 NE 56th Street Suite 100
Seattle, Washington 98105

Dear Mr. Osenbach:

FREEDOM OF INFORMATION ACT REQUEST (FOI 2010-01599)

You requested, pursuant to the Freedom of Information Act (FOIA), the following information:

1. Documents and records relating to the potential duration of storage for soil excavated since 2009 from the Environmental Restoration Disposal Facility (ERDF) at the U.S. Department of Energy (DOE), Richland Operations Office (RL).
2. Documents and records relating to the cost of storage for soil excavated from ERDF.
3. Documents and records relating to the planned uses for soil excavated from ERDF including documents and records relating to the potential use of soil excavated from ERDF for use as a cap of the nearby U.S. Ecology Washington, Inc., site.
4. Correspondence between RL and the State of Washington Department of Ecology concerning the use of storage of soil excavated from ERDF since (including the length of time such soil may be stored, costs, etc.).
5. Correspondence between DOE and the State of Washington Department of Health concerning the use of storage of soil excavated from ERDF (including the length of time such soil may be stored, costs, etc.).
6. Correspondence between DOE and the U.S. Ecology Washington, Inc., company of any of its contractors or agents concerning the use or storage of soil excavated from ERDF.
7. Records relating to consideration of releases documented in investigation of releases from the U.S. Ecology landfill conducted under the authority of the State of Washington Department of Ecology or Health, including remedies for such releases.

This is a partial response and enclosed are documents responsive to items 3 (Enclosure I), 4 (Enclosure II), 5 (Enclosure III) and 6 (Enclosure IV) of your request.

Mr. Alec Osenbach

-2-

July 29, 2010

We have located additional documents responsive to your request and are currently reviewing them for a disclosure determination. As you may know, the FOIA provides that an agency respond to requests within twenty working days. However, the FOIA permits an agency to extend the time limit to respond to a request in certain circumstances. These circumstances include the need to collect records from other locations, review large number of records, and consult with other offices. Due to the large amount of information requested, additional time will be needed to review the documents. We will notify you when our review is complete.

If you have any questions regarding your request, please contact me at our address above or on (509) 376-6288.

Sincerely,

-Original Signed By-

Dorothy Riehle
Freedom of Information Act Officer
Office of Communications
and External Affairs

OCE:DCR

Enclosures

Enclosure I

Koeller, Pamela J

From: Skiba, Charles V
Sent: Thursday, July 16, 2009 1:09 PM
To: Howard, Bill J (Jack); Borlaug, William A
Subject: FW: APPROVAL OF SITE EVALUATION 6-09-07, WIDEN ROAD FROM ERDF TO US ECOLOGY
Attachments: ERDF Gravel Road.pdf; 6-09-07 APPROVAL.bmp

Site Eval for haul road is approved. I am moving this along too, but I'm not spending a great deal of time on it as it was not approved. However, if we get the go ahead at least the permit will be ready soon. I have the GPR scan too.

Charles V. (Charlie) Skiba

Washington Closure Hanford LLC.
 ERDF Project - Sr. Construction Subcontract Engineer (SCSE)
 MO-622, Room 7, MS T2-10
 Richland, WA 99352
 509-373-9476 or Cell 509-942-9275

From: Ingram, Ronald L [mailto:Ronald_L_Ingram@RL.gov]
Sent: Thursday, July 16, 2009 1:05 PM
To: Aldridge, Gayla A; Bowers, Elizabeth M; Dixon, Brian J; Carlson, Cris E; Carlson, Richard A; Mertz, Dave; Ranade, Raja; Rohl, Doug; Hathaway, H Boyd; Smith, Jan R; Thornock, Jeff A; Nielsen, John H; Hache, Joseph M; Jennings-Mills, Kathleen A; Kelty, George G; Kitchen, William A; Klinetobe, Brett A; Harville, Harv; Lucke, Terry C; Weiher, Patrick A; Powell, Frank W; Quigley, Ken; Knight, Rusty; Webb, Christine R
Cc: Skiba, Charles V; Arnold, Stuart G; Johnson, Austin Ray; Bergquist, Gregory G; Butz, Kelly; Cammann, Jerry W; Stolle, Clark W; Dieterle, Steven E; Schwier, Edward G; Yancey, Ed; Fargo, Sean A; Gaither, Karla J; Stevens, Gary M; Green, Mary Ann; Holloman, Stan M; Day, Jim L; Jansky, Michael T; Voogd, Jeffrey A; John Worden; Kadinger, Joe; Ekstrom, Kevin A; Nichols, Robert M; Kelly, Paula L; Perry, Jon K; Kennedy, Ellen; Rodriguez, Annabelle L; Ingram, Ron; Russell, Woody; Sackschewsky, Michael R; Simundson, Jeffrey P; Strong, Kenneth D; Torres, Frank C; Ward, Dana C; Weil, Stephen R; Wilde, Justin
Subject: APPROVAL OF SITE EVALUATION 6-09-07, WIDEN ROAD FROM ERDF TO US ECOLOGY

Site Evaluation Team:

Site Evaluation **6-09-07, WIDEN ROAD FROM ERDF TO US ECOLOGY**, is **approved** for the location (red line) as shown on the site plan (first attachment) with no outstanding land-use comments. However, there is one recommendation that follows:

- There are two in-use wells (699-35-59 and 699-38-61) that are near the road route and if road work is performed within 30 feet, contact Scott Worley (376-5660). Both of these wells can be identified on QMap.

Since the purpose of a site evaluation is to approve the use of the land for the intended project, it

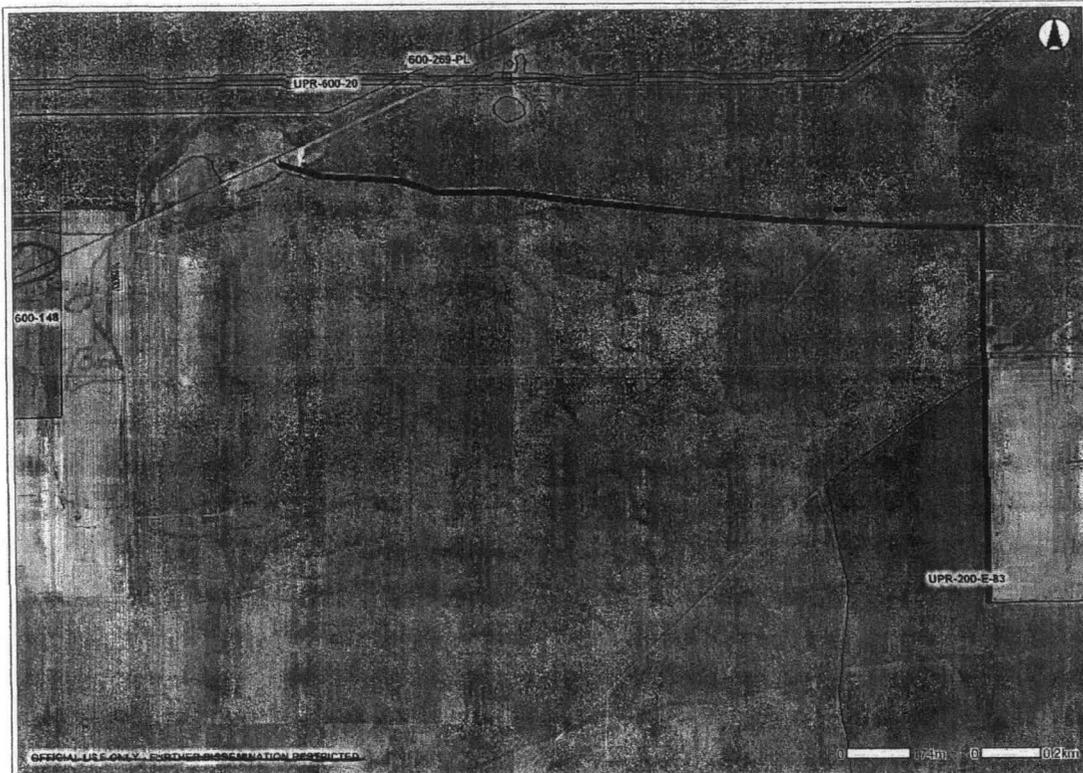
does not exempt the requestor from other requirements. These other requirements may include, but not be limited to:

- NEPA/CERCLA Documentation
- Cultural Resource Review
- Biological/Ecological Review

A hard copy of the site evaluation form will be signed by me and sent to the requestor for their file. The second attached file is the signed form.

Thank you for your support of this site evaluation and have a good weekend.

Ron Ingram
FH Facilities and Land Management
(509) 372-0055

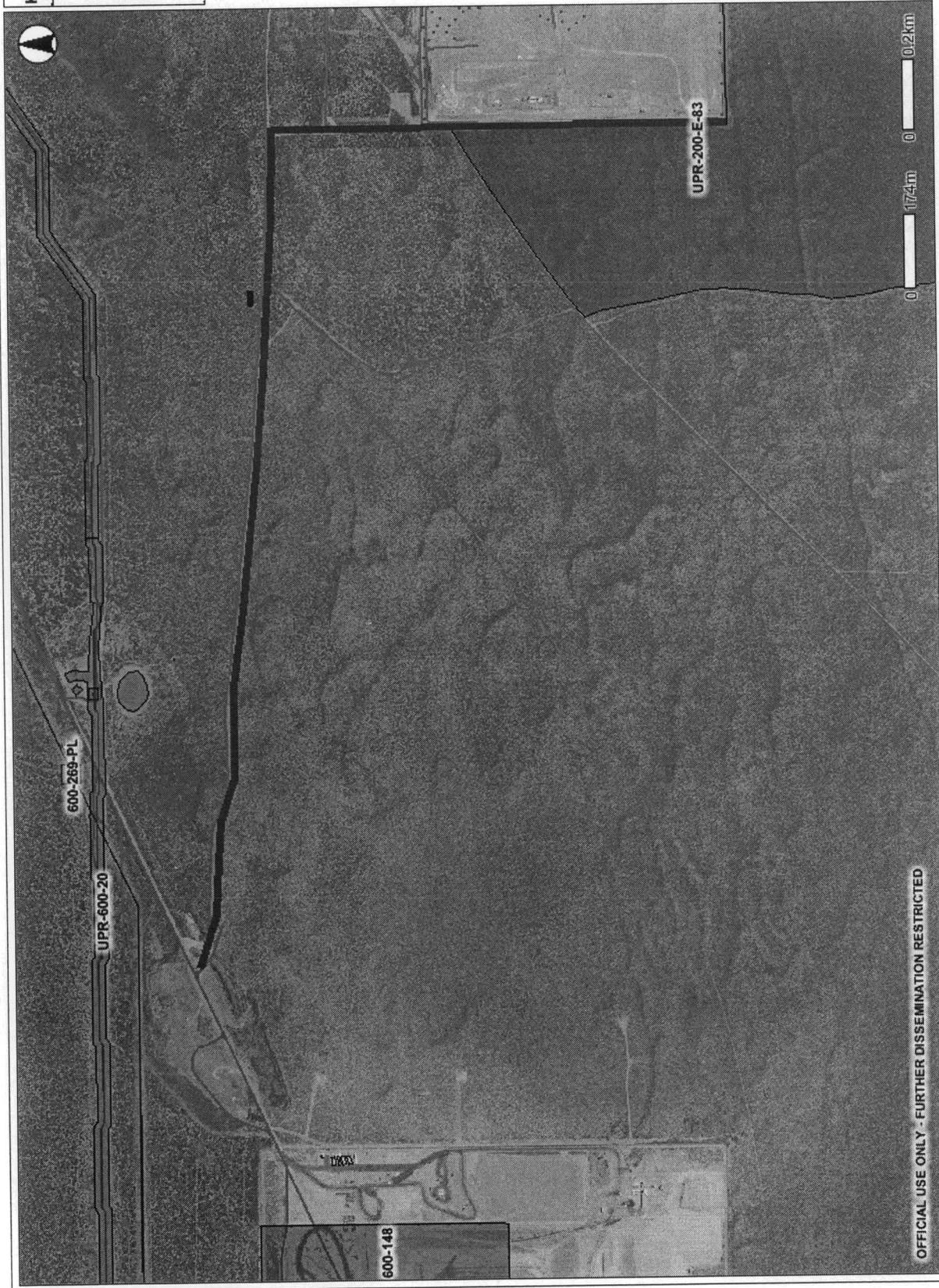
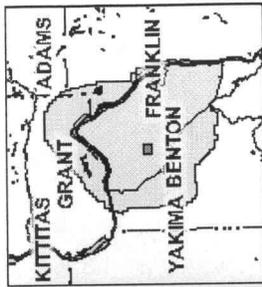


This document does not contain classified
 or OJD information or UCI
 7/29/2010
 Date

OFFICIAL USE ONLY. FURTHER INFORMATION REQUESTED.



Scale 1:11,160
 1 cm = 112 m



Scale 1:11,160
1 cm = 112 m

OFFICIAL USE ONLY - FURTHER DISSEMINATION RESTRICTED

SITE EVALUATION FORM

Date

07/06/09

SUBMIT FORM/ATTACHMENT(S) VIA E-MAIL IF POSSIBLE TO: Ron Ingram

REFERENCES: HNF-RD-14988 and HNF-PRO-24889

Name of Requestor: (print legibly) Charles V. Skiba MSIN: T2-10 Phone: 373-9173

Requesting Company or Agency and Organization: Washington Closure Hanford (WCH), ERDF Construction

Activity Title: Widening of Existing Gravel Haul Road Project No.: S06X533A00

Area of Proposed Structure: 100 200E 200W 300 400 600 Other _____

Number of personnel at this facility/site: 0

Anticipated start date of construction/installation/activity: 8/1/09

Permanent or Temporary Structure? (Less than 3 years.) If temporary, how long in months: _____

Size of proposed structure (sq. feet) or area of land required: Approx. 150,000

Infrastructure Requirements (Check all those that apply): Electrical Telephone Road Raw Water
 Sanitary Water Sewer HLAN Other None

Existing parking available? Yes No (If Yes, show on attached sketch)

Distances between proposed facility and nearest existing facility (feet):

To the north N/A The south N/A The east N/A The west N/A

Distance to the nearest fire hydrant (feet): N/A

Emergency vehicle access within 50 feet of the proposed site? Yes No

"Request for Hanford Facility Number" in process? Yes No N/A (If applicable, refer to form A-6002-836)

NEPA Documentation in process? Yes No (If No, contact your NEPA Environmental Compliance Officer)

Description of Project/Activity (Provide as much detail as you can):

Widening of existing gravel haul road for a distance of 9240 L.F. from current width of 25' to 40' to 48' where feasible. Excavation is expected to be to a maximum depth of 1.5' where needed. The widening is planned to be kept to the minimum amount required to safely allow construction "payhaulers" to transport excess material from ERDF excavation to U.S. Ecology for their use in providing cover. There is an area of approximately 0.5 miles that has dense old growth sagebrush on each side of the existing gravel road and there is a bend and an area where the elevation of the road changes beyond reasonable site line in this area.

Purpose and reason for facility/site:

The purpose of this widening of the existing gravel haul road is to safely transport excess soil from ERDF to the U.S. Ecology site for cover material.

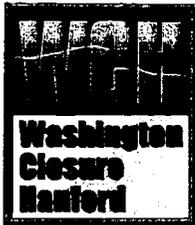
A DRAWING/SKETCH AND A COUPLE OF PHOTOS DEPICTING THE PROPOSED SITE MUST ACCOMPANY THIS REQUEST.

FOR SITE PLANNING USE ONLY

File No. S-09-07

Site Approval R.L. Ingram
 R.L. Ingram, Chairman Site Evaluation Team

Date 7/15/09



145091

SENSITIVE

JUN 17 2009

U.S. Department of Energy
Richland Operations Office
J. J. Short, Contracting Officer
Procurement Services Division
P.O. Box 550, MSIN A7-80
Richland, Washington 99352

Subject: Contract No. DE-AC06-05RL14655
**ENVIRONMENTAL RESTORATION DISPOSAL FACILITY
SUPER CELL 9 EXCAVATION; REQUEST FOR CONSENT
TO AWARD SUBCONTRACT NO. S0105044A00**

Dear Mr. Short:

In accordance with Washington Closure Hanford LLC (WCH) procedure BSC-300-8.1 DOE Notifications and Consent, WCH hereby provides the following Subcontract document and price support details for the U.S. Department of Energy, Richland Operations Office review and consent to award:

1. Subcontract Number: S010544A00
2. Description: Environmental Restoration Disposal Facility Super Cell 9 Excavation
3. Subcontract type: This is a Fixed Price/Unit Rate type subcontract. The recommended award value of \$4,653,400.00, with two (2) additional options valued at \$1,768,000.00 and \$1,632,000.00 respectively, is determined fair and reasonable on the basis of a WCH sole source justification. The justification for the sole source was corroborated by an in-depth cost price analysis and a vigorous negotiation with the subcontractor. The cost price analysis was buttressed by a thorough cost estimate from the WCH estimating department and

JUN 17 2009

145091

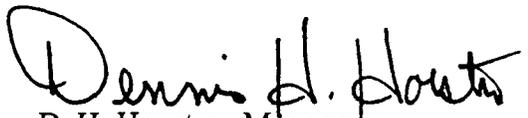
historical cost data from similar work performed during the construction of Cells 7 and 8 under Subcontract S06X533A00.

4. Supporting Documentation: Summary and Justification of Award, WCH Fair Cost Estimate, Subcontractor's Proposals. Key elements of the Conformed Subcontract to include: Agreement form, Terms & Conditions, Pricing Schedule, Scope of Work
5. Subcontractor: DelHur Industries, Inc.
6. Business Classification: Certified Small Business

If you have questions or need further clarification, please contact Ms. Suzanne Palmersheim of my staff at (509) 372-9525.

Thank you in advance for your prompt review and approval.

Sincerely,


D. H. Houston, Manager
Procurement & Property Management

SMP:klm

Attachment: Subcontract No. S010544A00 (Review Consent Package)

cc: D. C. Bryson (RL) A3-04, w/o
R. L. Dawson (RL) A7-80, w/o
L. M. Finan (RL) A7-80, w/o
J. R. Franco (RL) A3-04, w/o
M. S. French (RL) A3-04, w/o
R. F. Guercia (RL) A3-04, w/o
C. Smith (RL) A3-04, w/o

RECEIVED
JUN 17 2009
DOE-RLCC

Koeller, Pamela J

From: Houston, Dennis H
Sent: Wednesday, February 25, 2009 1:31 PM
To: McPherson, Robert B; Palmersheim, Suzanne M; Armatrou, Jeffrey F; Kisenwether, Thomas F
Cc: Borlaug, William A; Boecker, Donald L
Subject: RE: US Ecology Meeting

I agree with Bob. I can't see how it would work. We don't have an easy way to get income from US Ecology.

Dennis H. Houston
Manager, Procurement and Property
Washington Closure Hanford LLC.
2620 Fermi Avenue Richland WA 99354
509-375-4670

From: McPherson, Robert B
Sent: Wednesday, February 25, 2009 1:23 PM
To: Palmersheim, Suzanne M; Armatrou, Jeffrey F; Kisenwether, Thomas F; Houston, Dennis H
Cc: Borlaug, William A; Boecker, Donald L
Subject: RE: US Ecology Meeting

How will the reimbursement procedure work?

From: Palmersheim, Suzanne M
Sent: Wednesday, February 25, 2009 1:21 PM
To: Armatrou, Jeffrey F; McPherson, Robert B; Kisenwether, Thomas F; Houston, Dennis H
Cc: Borlaug, William A; Boecker, Donald L
Subject: RE: US Ecology Meeting

I think there are CSPJ drivers for the ideas about how this could be subcontracted. My understanding is that if we can get reimbursed by US Ecology, we can get CSPJ. Tom and Bill and Don would know more than I do on this subject.

From: Armatrou, Jeffrey F
Sent: Wednesday, February 25, 2009 1:08 PM
To: McPherson, Robert B; Kisenwether, Thomas F; Houston, Dennis H
Cc: Palmersheim, Suzanne M; Borlaug, William A; Boecker, Donald L
Subject: RE: US Ecology Meeting

Bob makes a good point. We should pursue US Ecology direct subcontract with Delhur, at least until it appears to be failing. Then swoop in and save the deal. We really need that dirt moved free to WCH. We need to watch this closely and not put this benefit at risk.

From: McPherson, Robert B
Sent: Wednesday, February 25, 2009 7:14 AM
To: Kisenwether, Thomas F; Houston, Dennis H; Armatrou, Jeffrey F
Cc: Palmerstein, Suzanne M; Borlaug, William A; Boecker, Donald L
Subject: RE: US Ecology Meeting

The cleanest way to do this is for US Ecology to hire Delhur direct to do the excavation and movement of dirt to its property. Why can't they pull this off before the stimulus happens? Usually, the commercial side can do things much faster the federal government side.

Bob

From: Kisenwether, Thomas F
Sent: Wednesday, February 25, 2009 6:55 AM
To: Houston, Dennis H; Armatrou, Jeffrey F; McPherson, Robert B
Cc: Palmerstein, Suzanne M; Borlaug, William A; Boecker, Donald L
Subject: US Ecology Meeting

Bill Borlaug and I met with US Ecology yesterday to discuss the them obtaining the "excess soil" at ERDF. We also discussed the fact that WCH may accelerate the construction of cells 9 & 10, as a result of the Stimulus Package.

We discussed the following options:

One option would be for WCH to contract with Delhur for the rough excavation of cells 9 & 10. WCH would ask Delhur to provide two prices:

Price 1 Excavate soil and place in the ERDF existing stock pile (extend current stockpile to the east). WCH bear full cost.

Price 2 Excavate soil and deliver to a stockpile at US Ecology. US Ecology bear full cost (i.e.. reimburse WCH).

US Ecology implied that they are okay with this concept. Note US Ecology plans to construct their cap in two phases. Phase 1 requires 480,000 yards of material. Phase 2 requires 320,000+ yards. The plan we outlined with DOE states that 800,000 yards of "excess soil" s available from the 9/10 construction (total volume 1.5M yards).

The second Option would be for US Ecology to come later and remove the "excess soil form the ERDF Stockpile. Note we sold the idea to DO & EPA that the existing stockpile material would be retained for DOE use (i.e.. ERDF caps, covers, back fill etc.). DOE & EPA may have an issue with removing soil from existing stockpiles. **THIS OPTION DOES NOT DO ANYTHING FOR WCH'S CSP!!!**

Issues to resolve:

1. Can WCH include a Pay Item in the Delhur Subcontract (CN) for moving the soil to US Ecology and then be reimbursed by US ECOLOGY for the cost? - Action Dennis Houston.
2. DOE still has not provided an answer on the question 'is there a "property" problem ' ? - Action Tom Kisenwether

Note We did provide a copy of the draft "No Cost" Services Subcontract for them to review. Note this was the last plan (i.e. US Ecology hire the subcontractor to

move the dirt). I do not think US Ecology can pull this off before the stimulus happens.

Koeller, Pamela J

From: Kisenwether, Thomas F
Sent: Thursday, February 26, 2009 8:03 AM
To: Borlaug, William A
Cc: Boecker, Donald L
Subject: FW: Excess ERDF Soil

fyi

From: Kisenwether, Thomas F
Sent: Wednesday, February 25, 2009 9:41 AM
To: 'Mike Ault'; 'sbell@americanecology.com'
Cc: McPherson, Robert B; Houston, Dennis H; Armatrou, Jeffrey F
Subject: Excess ERDF Soil

Mike/Simon,

The cleanest way to get the excess ERDF soil to US Ecology would be to continue down the present No Cost Services Subcontract (US Ecology performs the work with their own subcontractor).

What is the earliest date that US Ecology could be ready to move the soil?

Koeller, Pamela J

From: McPherson, Robert B
Sent: Tuesday, March 03, 2009 10:21 AM
To: Kisenwether, Thomas F; Armatrout, Jeffrey F; Houston, Dennis H
Cc: Palmersheim, Suzanne M; Borlaug, William A; Boecker, Donald L
Subject: RE: US Ecology Meeting

Tom,

Sounds like US Ecology does not want the soil now. If we tell them its now or never, will that change things.

The only way I can think of for doing the work at risk and having US Ecology pay later would be for one of our parents to do it.

Bob

From: Kisenwether, Thomas F
Sent: Tuesday, March 03, 2009 9:48 AM
To: Armatrout, Jeffrey F; McPherson, Robert B; Houston, Dennis H
Cc: Palmersheim, Suzanne M; Borlaug, William A; Boecker, Donald L
Subject: RE: US Ecology Meeting

I send an email (on 2/25/09) to US Ecology asking when they could move the soil. I called US Ecology today to ask if they can start moving the soil within 2 months, the answer was no. I got the impression that US Ecology is willing to wait and remove the soil from a stockpile at their own pace.

Unless we can come up with a mechanism to have US Ecology reimburse WCH, this benefit will be lost.

From: Armatrout, Jeffrey F
Sent: Wednesday, February 25, 2009 1:08 PM
To: McPherson, Robert B; Kisenwether, Thomas F; Houston, Dennis H
Cc: Palmersheim, Suzanne M; Borlaug, William A; Boecker, Donald L
Subject: RE: US Ecology Meeting

Bob makes a good point. We should pursue US Ecology direct subcontract with Delhur, at least until it appears to be failing. Then swoop in and save the deal. We really need that dirt moved free to WCH. We need to watch this closely and not put this benefit at risk.

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Cc: Palmersheim, Suzanne M; Borlaug, William A; Boecker, Donald L
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Koeller, Pamela J

From: Hepler, Robert J
Sent: Thursday, May 07, 2009 12:46 PM
To: Borlaug, William A
Cc: Ottley, Scott W
Subject: Ecology haul, FYI

I performed a quick estimator for the work (excluding loading equipment) and ended at 2.57 / CY

If we use our existing Backfill master agreement (BMA), the cost is \$2.58. I did the estimate before I performed the adjustments on the BMA

This includes 15% profit, FT grader, water truck, and dozer (dozer at dump end)

Based on this, and on the fact that DH told you \$5, I think we would be better off deferring Certification of this until we have a hard quote in hand. Do you agree?

Robert Hepler
WCH Estimator
2620 Fermi, B135
(509) 372-9006

Koeller, Pamela J

From: Borlaug, William A
Sent: Tuesday, May 19, 2009 11:10 AM
To: 'kmassey+delhur.com'
Cc: Howard, Bill J (Jack)
Subject: RE: Ecology Haul

1. Overt time: are you thinking 5-10s?
2. What is existing width?

From: kmassey+delhur.com [mailto:kmassey@delhur.com]
Sent: Tuesday, May 19, 2009 11:09 AM
To: Borlaug, William A
Subject: Ecology Haul

Bill,

A couple questions:

Can we widen the road to Ecology to 45'?
Is overtime an option?

These items need to be addressed in order to assist in the proposal.

Thanks,

Kurt Massey
DelHur Industries, Inc.
30607 Oldfield Street
P. O. Box 883
Hermiston, OR 97838
(541) 567-8693
Fax (866) 570-7269
Cell (509)-727-7523

Koeller, Pamela J

From: Borlaug, William A
Sent: Thursday, August 20, 2009 9:54 AM
To: Robertson, Owen C; owenrobr@hotmail.com; Einan, David R
Cc: Peloquin, Michael G; Melvin, William F; Casbon, Michael A (Mike); Stubbs, Brian E
Subject: Estimated ERDF Soil Balance for Cells 1 - Super Cell 10.
Attachments: ERDF Soil Balance Cells 1-Super Cell 10_8-18-09.xls

Attached is copy of the soil balance discussed during the interface meeting yesterday.

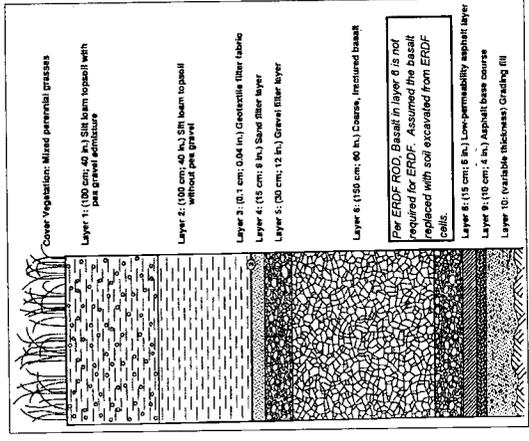
Bill Borlaug

Washington Closure Hanford
2620 Fermi Avenue
MO-622 MSIN T2-10
Richland, WA 99354
Desk: (509) 373-9135
Fax: (509) 373-9123
Cell: (509) 531-7424
waborlau@wch-rcc.com

ERDF Soil Balance Estimate for Cells 1-Super Cell 10

By: Borlaug
Date: 08/18/09

	Estimated Soil (CY)
Soil Excavated & Stockpiled:	
Relocated East Stockpile (relocated to Cell 9 stockpile area June 2009)	263,913
Cells 5&6 Stockpile	980,000
Cells 7&8 Excavation	1,149,835
Super Cell 9 Excavation Stockpile	1,511,742
Super Cell 10 Excavation Stockpile	1,511,742
Total Soil Excavated (CY) =	5,417,232
Soil Needed (Berms + Admix + Ops Layer) for Cell Construction of Super Cells 9 & 10:	
CTA Phase III	100,000
Super Cell 9	275,000
Super Cell 10	275,000
Total Soil Needed for Cell Construction (CY) =	650,000
Soil Needed for ERDF Operations, 2008 through 2015:	
Soil Needed for Operations, 2009 through 2015 (2,500 CY/month)	210,000
Soil Needed for Cells 7-10 (~36 acres @ ave of 2' 35' Level Deck Construction)	88,000
Total Soil Needed for ERDF Operations (CY) =	298,000
Soil Needed for Interim Cover for Cells 2-Super Cell 10:	
Estimated Interim Cover Area (Acres)	Interim Cover "SOIL" Average Thickness (ft)
Cells 1&2 Interim Cover Remaining	16 1.25
Cells 3&4 Interim Cover	17 1.25
Cells 5&6 Interim Cover	17 1.25
Cells 7&8 Interim Cover	17 1.25
Super Cell 9 Interim Cover	17 1.25
Super Cell 10 Interim Cover	17 1.25
Total Soil Needed for Interim Cover (CY) =	171,420
Soil Needed for Final Cover for Cells 1-Super Cell 10:	
Estimated Final Cover Area (Acres)	Final Cover "SOIL" Thickness (ft)
Cells 1&2 Final Cover	26 12.2
Cells 3&4 Final Cover	18 12.2
Cells 5&6 Final Cover	18 12.2
Cells 7&8 Final Cover	18 12.2
Super Cell 9 Final Cover	18 12.2
Super Cell 10 Final Cover	18 12.2
Total Soil Needed for Final Cover (CY) =	2,283,190
EXCESS Soil Cells 1 through Super Cell 10 (CY) (1) = 2,014,622	



FINAL COVER
(HANFORD BARRIER - for reference only)

NOTES:
 (1) Approximately 600,000 CY (~1,500,000 CY - 255,000 CY - 250,000 CY - 490,000/2 CY - 27,000 CY - 343,000 CY) of Excess Soil will be generated for each future Super Cell.
 (2) Hanford Barrier is 15' thick. Approximately 12' (Layers 1,2,4, 6 (soil in place of basalt), 10) of the barrier can be constructed using soils excavated from ERDF cells. The soils excavated from ERDF cells can not be used for the remaining 3' (Layer 5 gravel filter, Layer 7 drainage, Layers 8&9 asphalt).
 (3) Added 30' @ 15' thickness to cap footprint (equivalent to extending cap ~60' past cell boundary and tapering 15'-0' @ 4:1) to account for transition of 15' cap to exist grade @ 4:1 slope.

Koeller, Pamela J

From: Casbon, Michael A (Mike)
Sent: Monday, April 26, 2010 2:39 PM
To: Armatrout, Jeffrey F
Cc: Borlaug, William A
Subject: FW: ERDF Soil Balance
Attachments: ERDF Soil Balance Cells 1-10_6-16-08.xls

Jeff,

Attached is a spreadsheet from Bill Borlaug showing how much excess soil we have 1,185,000 BCY (about 2,074,000 tons) of excess soil before any is sent to US Ecology.

MAC

From: Borlaug, William A
Sent: Monday, June 16, 2008 4:33 PM
To: Robertson, Owen C; Einan, David R; Sands, John P
Cc: Covert, Bruce C; Armatrout, Jeffrey F; Boecker, Donald L; Snow, Gary B; Casbon, Michael A (Mike); Peloquin, Michael G; Feaster, Scott L; Shingler, William S.; Kisenwether, Thomas F; Fargo, Patrick J; Ciszak, Paula C
Subject: ERDF Soil Balance

Attached is a spreadsheet estimating the excess soil from ERDF Cells 1-10 construction activities. As shown on the spreadsheet, ERDF will have over 1,000,000 cy of excess soil for use by others.

Please contact Tom or I if have any comments or questions.

Bill Borlaug

Washington Closure Hanford
2620 Fermi Avenue C-231
MSIN H4-20
Richland, WA 99354
Desk: (509) 373-9135
Fax: (509) 373-9123
Cell: (509) 531-7424
waborlau@wch-rcc.com

6/29/2010

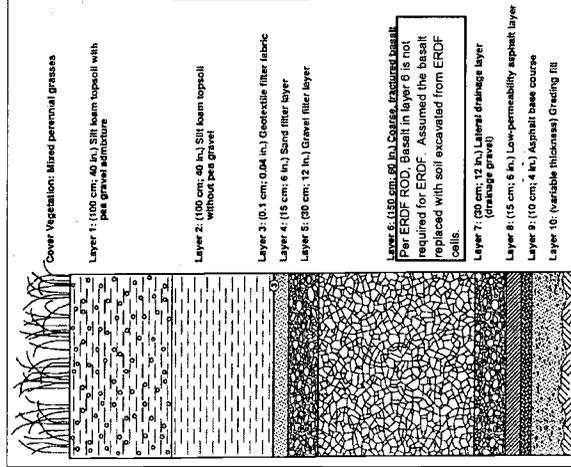
ERDF Soil Balance for Cells 1-10

By: Bortaug
Date: 06/12/08

	Soil (BCY)
Soil Excavated & Stockpiled:	
East Stockpile Remaining as of 6/12/08 (must be removed for construction of Cells 9&10)	457,853
Cells 5&6 Stockpile	980,000
Cells 7&8 Excavation	1,149,835
Cells 9&10 Excavation	1,511,742
Total Soil Excavated (BCY) =	4,099,430
Soil Needed for Cell Construction of Cells 7-10:	
Cell 7&8 Construction	231,691
Cells 9&10 Construction	254,328
Total Soil Needed for Cell Construction (BCY) =	486,019
Soil Needed for ERDF Operations, 2008 through 2015:	
Soil Needed for Operations, 2008 through 2015 (2,500 CY/month)	240,000
Soil Needed for Cells 7-10 35' and 70' Decks (2' thick)	189,317
Total Soil Needed for ERDF Operations (BCY) =	429,317
Soil Needed for Interim Cover for Cells 2-10:	
Interim Cover Area (Acres)	Interim Cover "SOIL" Thickness (ft)
Cells 1&2 Interim Cover Remaining	1
Cells 3&4 Interim Cover	1
Cells 5&6 Interim Cover	1
Cells 7&8 Interim Cover	1
Cells 9&10 Interim Cover	1
Total Soil Needed for Interim Cover (BCY) =	132,520
Soil Needed for Final Cover for Cells 1-10:	
Final Cover Area (Acres)	Final Cover "SOIL" Thickness (ft)
Cells 1&2 Final Cover	12.2
Cells 3&4 Final Cover	12.2
Cells 5&6 Final Cover	12.2
Cells 7&8 Final Cover	12.2
Cells 9&10 Final Cover	12.2
Total Soil Needed for Final Cover (BCY) =	1,865,920
EXCESS Soil Through Cells 1-10 (BCY) ⁽¹⁾⁽²⁾ =	
1,185,654	

NOTES:

- (1) Approximately 600,000 CY (~1,500,000CY - 255,000 CY - 215,000 CY - 27,000 CY - 405,000 CY) of Excess Soil will be generated for any additional future cell pairs.
- (2) WCH recommends all non-ERDF uses of Excess Soil be obtained from the East Stockpile and Cells 9&10 excavation footprint.
- (3) Hanford Barrier is 15' thick. Approximately 12' (Layers 1,2,4, 6 (soil in place of basalt), 10) of the barrier can be constructed using soils excavated from ERDF cells. The soils excavated from ERDF cells can not be used for the remaining 3' (Layer 5 gravel filter, Layer 7 drainage, Layers 8&9 asphalt).
- (4) Added 30' @ 15' thickness to cap footprint (equivalent to extending cap ~60' past cell boundary and tapering 15"-0' @ 4:1) to account for transition of 15' cap to exist grade @ 4:1 slope.



**FINAL COVER
(HANFORD BARRIER)**

Koeller, Pamela J

From: Borlaug, William A
Sent: Thursday, May 06, 2010 9:46 AM
To: Skiba, Charles V
Cc: Melvin, William F; 'Douglas Greffin'
Subject: US Ecology Soil Samples from Cell 10 Stockpile

Charlie,

Doug Greffin, US Ecology wants to come over this afternoon (~2:00) and collect soil samples for use in the US Ecology final cover. We are working with US Ecology to provide soil from Cell 10 for their project, likely in the Aug-Nov 2010 time period.

I told Doug to call you at 942-9275 before he comes over.

Bill Borlaug

Washington Closure Hanford
2620 Fermi Avenue
MO-607 MSIN T2-03
Richland, WA 99354
Desk: (509) 373-1084
Cell: (509) 531-7424
waborlau@wch-rcc.com

6/29/2010

Koeller, Pamela J

From: Skiba, Charles V
Sent: Thursday, May 06, 2010 10:13 AM
To: Borlaug, William A
Subject: RE: US Ecology Soil Samples from Cell 10 Stockpile

I will be expecting his call then.

Charles V. (Charlie) Skiba

Washington Closure Hanford LLC.
ERDF Project - CSE/STR
MO-622, Room 7, MS T2-10
Richland, WA 99352
509-373-9476 or Cell 509-942-9275

Notice: The information contained in this message is privileged and confidential and protected from disclosure. If the reader of this message is not the intended recipient, or an employee or agent responsible for delivering this message to the intended recipient, you are hereby notified that any dissemination, distribution or copying of this communication is strictly prohibited. If you have received this communication in error, please notify us immediately by replying to the message and deleting it from your computer.

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Cell: (509) 531-7424
waborlau@wch-rcc.com

6/29/2010

Koeller, Pamela J

From: Borlaug, William A
Sent: Tuesday, May 18, 2010 9:52 AM
To: 'Rob Stallings'
Subject: US Ecology Contact

Douglas Greffin
Quality Assurance and Regulatory Compliance Coordinator

*1777 Terminal Drive
Richland, WA, 99354
Tel: 509.377.2411 | Fax: 509.377.2244
dgreffin@usecology.com*

Bill Borlaug

Washington Closure Hanford
2620 Fermi Avenue
MO-607 MSIN T2-03
Richland, WA 99354
Desk: (509) 373-1084
Cell: (509) 531-7424
waborlau@wch-rcc.com

Koeller, Pamela J

From: Rob Stallings [stallings@envirotechconsulting.com]
Sent: Wednesday, May 19, 2010 10:53 AM
To: Borlaug, William A
Subject: RE: US Ecology Contact

Bill

I met with Mr. Griffin this Am. Thanks for the heads up

Rob

From: Borlaug, William A [mailto:waborlau@wch-rcc.com]
Sent: Tuesday, May 18, 2010 11:52 AM
To: Rob Stallings
Subject: US Ecology Contact

Douglas Greffin
Quality Assurance and Regulatory Compliance Coordinator

*1777 Terminal Drive
Richland, WA, 99354
Tel: 509.377.2411 | Fax: 509.377.2244
dgreffin@usecology.com*

Bill Borlaug

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2620 Fermi Avenue
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Richland, WA 99354
Desk: (509) 373-1084
Cell: (509) 531-7424
waborlau@wch-rcc.com

Koeller, Pamela J

From: Kisenwether, Thomas F
Sent: Thursday, June 17, 2010 2:56 PM
To: Koeller, Pamela J
Subject: FW: US Ecology Meeting

As requested

From: Kisenwether, Thomas F
Sent: Wednesday, February 25, 2009 6:55 AM
To: Houston, Dennis H; Armatrou, Jeffrey F; McPherson, Robert B
Cc: Palmersheim, Suzanne M; Borlaug, William A; Boecker, Donald L
Subject: US Ecology Meeting

Bill Borlaug and I met with US Ecology yesterday to discuss the them obtaining the "excess soil" at ERDF. We also discussed the fact that WCH may accelerate the construction of cells 9 & 10, as a result of the Stimulus Package.

We discussed the following options:

One option would be for WCH to contract with Delhur for the rough excavation of cells 9 & 10. WCH would ask Delhur to provide two prices:

Price 1 Excavate soil and place in the ERDF existing stock pile (extend current stockpile to the east). WCH bear full cost.

Price 2 Excavate soil and deliver to a stockpile at US Ecology. US Ecology bear full cost (i.e.. reimburse WCH).

US Ecology implied that they are okay with this concept. Note US Ecology plans to construct their cap in two phases. Phase 1 requires 480,000 yards of material. Phase 2 requires 320,000+ yards. The plan we outlined with DOE states that 800,000 yards of "excess soil" s available from the 9/10 construction (total volume 1.5M yards).

The second Option would be for US Ecology to come later and remove the "excess soil form the ERDF Stockpile. Note we sold the idea to DO & EPA that the existing stockpile material would be retained for DOE use (i.e.. ERDF caps, covers, back fill etc.). DOE & EPA may have an issue with removing soil from existing stockpiles. **THIS OPTION DOES NOT DO ANYTHING FOR WCH's CSPII!**

Issues to resolve:

1. Can WCH include a Pay Item in the Delhur Subcontract (CN) for moving the soil to US Ecology and then be reimbursed by US ECOLOGY for the cost? - Action Dennis Houston.
2. DOE still has not provided an answer on the question ' is there a "property" problem ' ?
- Action Tom Kisenwether

Note We did provide a copy of the draft "No Cost" Services Subcontract for them to review. Note this was the last plan (i.e. US Ecology hire the subcontractor to

move the dirt). I do not think US Ecology can pull this off before the stimulus happens.

Koeller, Pamela J

From: Kisenwether, Thomas F
Sent: Thursday, June 17, 2010 2:59 PM
To: Koeller, Pamela J
Subject: FW: US Ecology Meeting

As requested

From: Armatrout, Jeffrey F
Sent: Tuesday, March 03, 2009 9:53 AM
To: Kisenwether, Thomas F
Subject: RE: US Ecology Meeting

Should we start playing hardball and send them a letter saying the soil is free and needs to be moved by XXXXXX date, after which the soil will not be available.

From: Kisenwether, Thomas F
Sent: Tuesday, March 03, 2009 9:48 AM
To: Armatrout, Jeffrey F; McPherson, Robert B; Houston, Dennis H
Cc: Palmersheim, Suzanne M; Bortlaug, William A; Boecker, Donald L
Subject: RE: US Ecology Meeting

I send an email (on 2/25/09) to US Ecology asking when they could move the soil. I called US Ecology today to ask if they can start moving the soil within 2 months, the answer was no. I got the impression that US Ecology is willing to wait and remove the soil from a stockpile at their own pace.

Unless we can come up with a mechanism to have US Ecology reimburse WCH, this benefit will be lost.

From: Armatrout, Jeffrey F
Sent: Wednesday, February 25, 2009 1:08 PM
To: McPherson, Robert B; Kisenwether, Thomas F; Houston, Dennis H
Cc: Palmersheim, Suzanne M; Bortlaug, William A; Boecker, Donald L
Subject: RE: US Ecology Meeting

Bob makes a good point. We should pursue US Ecology direct subcontract with Delhur, at least until it appears to be failing. Then swoop in and save the deal. We really need that dirt moved free to WCH. We need to watch this closely and not put this benefit at risk.

From: McPherson, Robert B
Sent: Wednesday, February 25, 2009 7:14 AM
To: Kisenwether, Thomas F; Houston, Dennis H; Armatrout, Jeffrey F
Cc: Palmersheim, Suzanne M; Bortlaug, William A; Boecker, Donald L
Subject: RE: US Ecology Meeting

The cleanest way to do this is for US Ecology to hire Delhur direct to do the excavation and movement of dirt to its property. Why can't they pull this off before the stimulus happens? Usually, the commercial side can do things much faster the federal government side.

Bob

From: Kisenwether, Thomas F
Sent: Wednesday, February 25, 2009 6:55 AM
To: Houston, Dennis H; Armatrou, Jeffrey F; McPherson, Robert B
Cc: Palmersheim, Suzanne M; Borlaug, William A; Boecker, Donald L
Subject: US Ecology Meeting

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Issues to resolve:

1. Can WCH include a Pay Item in the Delhur Subcontract (CN) for moving the soil to US Ecology and then be reimbursed by US ECOLOGY for the cost? - Action Dennis Houston.
2. DOE still has not provided an answer on the question 'is there a "property" problem ' ?
- Action Tom Kisenwether

Note We did provide a copy of the draft "No Cost" Services Subcontract for them to review. Note this was the last plan (i.e. US Ecology hire the subcontractor to move the dirt). I do not think US Ecology can pull this off before the stimulus happens.

Koeller, Pamela J

From: Kisenwether, Thomas F
Sent: Thursday, June 17, 2010 2:51 PM
To: Koeller, Pamela J
Subject: FW: 144432; DOCSOPEN 858400; 9 PAGES

Attachments: \$cg01!.DRF

As requested

From: Feaster, Scott L
Sent: Thursday, May 07, 2009 1:18 PM
To: Kisenwether, Thomas F; Boecker, Donald L
Subject: FW: 144432; DOCSOPEN 858400; 9 PAGES

From: ^WCH Document Control
Sent: Thursday, May 07, 2009 7:52 AM
To: Spencer, Charles G; Dodd, Ryan A; Covert, Bruce C; Harris, Tony A; Feaster, Scott L; Armatrout, Jeffrey F; Plung, Daniel L (Dan)
Subject: 144432; DOCSOPEN 858400; 9 PAGES



\$cg01!.DRF (4
KB)

TRANSFER OF SOIL EXCAVATED FROM THE ENVIRONMENTAL RESTORATION DISPOSAL FACILITY (ERDF) SUPER CELL 9 TO WASHINGTON STATE
DEPARTMENT OF HEALTH (DOH) CONTRACTOR US ECOLOGY (USE).

PLEASE VIEW.



Department of Energy
 Richland Operations Office
 P.O. Box 550
 Richland, Washington 99352

09-AMRC-0101

APR 30 2009

144432

Mr. C. G. Spencer, President
 Washington Closure Hanford LLC
 2620 Fermi Avenue
 Richland, Washington 99354

Dear Mr. Spencer:

CONTRACT NO. DE-AC06-05RL14655 – TRANSFER OF SOIL EXCAVATED FROM THE ENVIRONMENTAL RESTORATION DISPOSAL FACILITY (ERDF) SUPER CELL 9 TO WASHINGTON STATE DEPARTMENT OF HEALTH (DOH) CONTRACTOR U.S. ECOLOGY (USE)

Washington Closure Hanford LLC (WCH) is requested to deliver approximately 400,000 cubic yards of excess soil from the excavation of Super Cell 9 to USE. An additional 400,000 cubic yards may be requested by USE in the next two years; however, WCH is requested to inform RL before transporting the additional soils to USE. Prior to delivery, WCH shall perform and document an evaluation, including an historical evaluation of the Super Cell 9 and 10 sites, to determine the applicability of DOE Order 5400.5 radiological clearance requirements to this soil. WCH shall also develop a radiological survey plan to demonstrate that this soil does not contain residual radioactivity above approved levels prior to delivery to USE. WCH's no-cost services contract with USE must contain a clause that this soil is to remain within the confines of the Hanford Site and be used by USE for barrier/capping material. By accepting this excess soil for use, DOH/USE also releases and holds the U.S. Department of Energy and its contractor, WCH, harmless from any claims or liabilities related to the use of this soil or its "illegal" transport off the USE site or other unauthorized use.

If you have questions, please contact me or your staff may contact Mark French, Federal Project Director for the River Corridor Closure Project, at (509) 373-9863.

Sincerely,

Andrew H. Wirkkala
 Contracting Officer

AMRC: OCR

cc: See page 2

RECEIVED
 DP
 MAY 06 2009

WCH - DOCUMENT CONTROL

144432

APR 30 2009

Mr. C. G. Spencer
09-AMRC-0101

-2-

cc: B. C. Covert, WCH
D. R. Einan, EPA
S. L. Feaster, WCH
E. W. Fordham, DOH
T. A. Harris, WCH
D. H. Houston, WCH
D. L. Plung, WCH

**CATEGORICAL EXCLUSION FOR TRANSFER OF DEPARTMENT OF ENERGY
PERSONAL PROPERTY – EXCESS SOIL TO WASHINGTON STATE DEPARTMENT
OF HEALTH FOR USE AT THE U.S. ECOLOGY COMMERCIAL LOW-LEVEL
RADIOACTIVE WASTE DISPOSAL SITE CO-LOCATED AT THE
HANFORD SITE, RICHLAND, WASHINGTON**

Proposed Action

The U.S. Department of Energy, Richland Operations Office (RL) plans to transfer ownership of approximately 800,000 cubic yards of excess soil to the WA State Department of Health (DOH). DOH plans to use this soil to construct a cover or cap over their Commercial Low-Level Radioactive Waste Disposal Facility (LLRWD). This facility is located on the Hanford Site about one mile from Environmental Restoration Storage Facility (ERDF). ERDF is the source of the excess soil

Location of Action

Central Plateau, Hanford Site, Richland, Washington (see attached map).

Description of Proposed Action

RL will transfer ownership of soils that will be excavated during the currently planned construction of the ERDF Super Cell 9. Appropriate radiological surveys under DOE Order 5400.5 will be performed and a certification that no residual contamination is present in the soils to be transferred will also be executed. The DOE Realty Officer will prepare the necessary GSA-SF-122-Transfer Order Excess Personal Property forms which will include additional “terms and conditions,” such as an indemnification or “hold harmless” provision and restrictions concerning intended use (i.e., that the excess soils will only be used as cover/capping material at the US Ecology Site and are prohibited from being transported or taken off the Hanford Site).

Cultural and biological species reviews were previously conducted for the original construction of the ERDF as well as for subsequent construction of additional cells, and is presented in the relevant CERCLA documentation (e.g., Section 2.4 of the Remedial Investigation/Feasibility Study [DOE/RL-93-99 Rev. 1] (RI/FS)). The RI/FS summarizes the potential environmental consequences from each of the alternatives evaluated for the ERDF, including impacts to air, water, ecological species, cultural, visual and noise resources, human health, accidents, direct and indirect effects, cumulative impacts, irreversible and irretrievable commitments of resources, and unavoidable adverse impacts). This CERCLA documentation integrates discussion of NEPA values and includes a “NEPA Roadmap” or cross-walk to the sections in the RI/FS where more technical details concerning these analyses can be found.

The Proposed Plan and Amended Record of Decision (ROD) for construction of Super Cell 9 and Super Cell 10 will also consider this information and provide updates where appropriate. There are no anticipated changes concerning cultural/biological species issues for Super Cells 9 and 10.

Categorical Exclusions (CX's) to be Applied

The following CX is listed in Title 10, Code of Federal Regulations (CFR) 1021, "National Environmental Policy Act Implementing Procedures," Subpart D, Appendix A, which was published in the *Federal Register* on Tuesday, July 9, 1996, (61 *Federal Register* 36222):

- A7 "Transfer, lease, disposition, or acquisition of interests in personal property (e.g., equipment and materials) or real property (e.g., permanent structures and land), if property use is to remain unchanged: i.e., the type and magnitude of impacts would remain essentially the same."

ELIGIBILITY CRITERIA

Since there are no extraordinary circumstances that may affect the significance of the environmental effects of the proposal, the proposed activity meets the eligibility criteria of 10 CFR 1021.410(b), as shown in the following table. The proposed activity is not "connected" to other actions with potentially significant impacts [40 CFR 1508.25(a) (1)], or with cumulatively significant impacts [40 CFR 1508.25(a) (2)], and is not precluded by 10 CFR 1021.211.

The "Integral Elements" of 10 CFR 1021 are also satisfied, as discussed below.

INTEGRAL ELEMENTS 10 CFR 1021, SUBPART D, APPENDIX A	
Would the Proposed Action:	Comment or explanation:
Threaten a violation of applicable statutory, regulatory, or permit requirements for environment, safety, and health, including requirements of DOE and/or Executive Orders?	No applicable laws, regulations, or orders would be violated by the proposed actions.
Require siting and construction or major expansion of waste storage, disposal, recovery or treatment facilities (including incinerators)? The proposal may include categorically excluded waste storage, disposal, recovery or treatment actions.	No. The transfer of excess soils does not require such activity. The excess soils are produced as a result of constructing the latest set of ERDF cells.
Disturb hazardous substances, pollutants, contaminants, or CERCLA-excluded petroleum and natural gas products that preexist in the environment such that there would be uncontrolled or unpermitted releases?	No.
Adversely affect environmentally sensitive resources including, but not limited to: (i) Property (e.g., sites, buildings, structures, objects) of historic, archeological, or architectural significance designated by Federal, state, or local governments or property eligible for listing on the National Register of Historic Places (ii) Federally-listed threatened or endangered species or their habitat (including critical	No.

<p>habitat), Federally-proposed or candidate species or their habitat or state-listed endangered or threatened species or their habitat</p> <p>(iii) Wetlands regulated under the Clean Water Act (33 U.S.C. 1344) and floodplains</p> <p>(iv) Federally- and state-designated wilderness areas, national parks, national natural landmarks, wild and scenic rivers, state and Federal wildlife refuges, and marine sanctuaries</p> <p>(v) Prime agricultural lands</p> <p>(vi) Special sources of water (such as sole-source aquifers, wellhead protection areas, and other water sources that are vital in a region)</p> <p>(vii) Tundra, coral reefs, or rainforests?</p>	
--	--

CULTURAL AND BIOLOGICAL RESOURCES REVIEWS

Not Applicable to the transfer of excess soils to the WA State Department of Health for use at the US Ecology site.

Signature/Date: W. Russell 4/15/09
R. W. Russell
Hanford/NEPA Compliance Officer

cc:

The following checklist summarizes environmental impacts that were considered
IMPACT TO AIR

	Would the proposed action:	YES	NO
1.	Result in more than minor and temporary gaseous discharges to the environment?		X
2.	Release other than nominal and temporary particulates or drops to the atmosphere?		X
3.	Result in more than minor thermal discharges?		X
4.	Increase offsite radiation dose to >0.1 mrem (40 CFR 61 Subpart H)?		X

IMPACT TO WATER

	Would the proposed action:	YES	NO
5.	Discharge any liquids to the environment?		X
6.	Discharge heat to surface or subsurface water?		X
7.	Release soluble solids to natural waters?		X
8.	Provide Interconnection between aquifers?		X
9.	Require installation of wells?		X
10.	Require a Spill Prevention Countermeasure and Control Plan (40 CFR 112 and 761).		X
11.	Violate water quality standards (WAC 713-200, Table 1)		X

IMPACT TO LAND

	Would the proposed action:	YES	NO
12.	Conflict with existing zoning or land use?		X
13.	Involve hazardous, radioactive, PCB, or asbestos waste?		X
14.	Cause erosion?		X
15.	Require an excavation permit?		X
16.	Disturb an undeveloped area?		X

GENERAL

	Would the proposed action:	YES	NO
17.	Disturb Arid Lands Ecology or Wahluke Slope Reserves		X
18.	Cause other than a minor increase in noise level?		X
19.	Make a long-term commitment of large quantities of nonrenewable resources?		X
20.	Require new utilities or modifications to utilities?		X
21.	Use pesticides, carcinogens, or toxic chemicals?		X
22.	Require a radiation work permit?		X

STANDARD FORM 122 JUNE 1974 GENERAL SERVICES ADMINISTRATION FPMR (41 CFR) 101-32.306 FPMR (41 CFR) 101-43.315	TRANSFER ORDER EXCESS PERSONAL PROPERTY	1. ORDER NO.
		2. DATE 4/16/09

3. TO: General Services Administration*	4. ORDERING AGENCY (Full name and address)* State of Washington Department of Health (DOH) 309 Bradley Blvd. Suite 201 Richland, WA 99352 Attn: Earl Fordham
---	--

5. Holding Agency (Name and Address)* Washington Closure Hanford, LLC (WCH) 2620 Fermi Avenue Richland, WA 99354	6. SHIP TO (Consignee and Destination)* U.S. Ecology (USE) Richland, WA 99352
---	---

7. Location of Property Washington Closure Hanford, LLC (WCH) Environmental Remediation Disposal Facility (ERDF) Richland, WA 99354	8. SHIPPING INSTRUCTIONS
--	--------------------------

9. Ordering Agency Approval		10. APPROPRIATION SYMBOL AND TITLE
A. Signature <i>Earl Fordham</i>	B. Date 4/22/09	
C. Title <i>Regional Director, WCH</i>	11. ALLOTMENT	12. GOVERNMENT B/L NO.

13. PROPERTY ORDERED						
GSA AND HOLDING AGENCY NOS. (a)	ITEM NO. (b)	DESCRIPTION (Include noun name, FSC Group and Class, Condition Code and, if available, National Stock Number) (c)	UNIT (d)	QUANTITY (e)	ACQUISITION VALUE	
					UNIT (f)	TOTAL (g)
		Excess soil from the excavation of Super Cell 9 This soil is to remain within the confines of the Hanford Site and be used by USE for barrier/capping material on the State of Washington leased land at the Hanford Site, Contract No. A(45-1)-1835. By accepting this excess soil for use, DOH/USE also releases and holds DOE and its contractor WCH harmless from any claims or liabilities related to the use of this soil or its "illegal" transport off the USE site or other unauthorized use. <i>EF</i>	cu yds	800,000	cubic yard	

Personal property purchased from the U. S. Government may or may not be authorized for export from the United States. If export is allowed, the purchaser is solely responsible for obtaining required clearances, approvals, and/or licenses. The purchaser also is required to pass on the DOE's export control guidance if the property is resold or otherwise disposed. The required DOE export control guidance is:

The use, disposition, export, and re-export of this property is subject to all applicable U.S. laws and regulations, including the Atomic Energy Act of 1954, as amended; the Arms Export Control Act ((22 U.S.C 2751 et seq.); the Export Administration Act of 1979 (560 U.S.C Append 2401 et seq.); Assistance to Foreign Atomic Energy Activities (10 CFR part 810); Export and Import of Nuclear Equipment and Material (10 CI part 110); International Traffic Arms Regulations (22 CFR parts 120 et seq.); Export Administration Regulations (15 CFR part 730 et seq.) Foreign Assets Control Regulations (31 CFR parts 500 et seq.); and the Espionage Act (37 U.S.C. 791 et seq.) which, among other things, prohibits:

- a. The making of false statements and concealment of any material information regarding the use or disposition, export or re-export of the property; and
- b. Any use or disposition, export or re-export of the property which is not authorized in accordance with the provisions of this agreement.

EARL W. FORDHAM _____
 Print or Type Name of Recipient Signature of Authorized Representative

 Print or Type Name If Not Recipient Title:

Date TOTAL = \$ - \$ -

14. RELEASING-DOE APPROVAL	A. SIGNATURE: RENATO MERCADO	B. TITLE: DOE-RL-OPMO	C. DATE 4/22/09
----------------------------	---------------------------------	--------------------------	--------------------

FOR GSA USE ONLY	AGENCY AND LOCATION		FSC	CONDITION	SOURCE CODE
	AGENCY	STATE			

CUSTOMER TO COMPLETE AS APPLICABLE:

144432

This has action Yes X No

Action Assigned To: B. Covert Due Date 6/29/09

Main Point of Contact: _____
 (If there is not action assigned, please note Point of Contact for subject matter)

This closes CCN _____

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*COVERT, BC (WASTE OPERATIONS)	T2-03	X		Armatrout, J.		X	
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*PHELPS, PM (COMMUNICATIONS)	H4-14						
*SKWAREK, RJ (SAFETY, HEALTH & QUALITY)	H4-25						
CORRECTIVE ACTION MANAGEMENT (CAM) COORDINATOR	H4-25						
HUGHES, RA (EMERGENCY PREPAREDNESS)	H4-25						
JENKINS, KD (SAFETY & HEALTH)	H4-25						
HASELL, HM (QUALITY ASSURANCE)	H4-25						
QUINN, TS (SAFEGUARDS & SECURITY)	H4-25						
WOODFORD, TL (PAAA COORDINATOR)	H4-25						
*SMITH, BD (D4/ISS)	L1-04						

RECEIVED

MAY 06 2009

WCH - DOCUMENT CONTROL

LTR
DP

*Indicates Directors

Koeller, Pamela J

From: Borlaug, William A
Sent: Thursday, May 21, 2009 11:36 AM
To: Kisenwether, Thomas F
Subject: RE: TRANSFER OF ESCESS SOIL TO U.S. ECOLOGY

Tom,

Do you have a version of the No cost where WCH hauls the soil?

From: Kisenwether, Thomas F
Sent: Monday, April 20, 2009 8:34 AM
To: Palmersheim, Suzanne M; Borlaug, William A
Subject: FW: TRANSFER OF ESCESS SOIL TO U.S. ECOLOGY

fyi - Do you want me to change the No Cost Service S/C?

From: Feaster, Scott L
Sent: Monday, April 20, 2009 8:14 AM
To: Kisenwether, Thomas F; Houston, Dennis H; McPherson, Robert B; Covert, Bruce C
Subject: FW: TRANSFER OF ESCESS SOIL TO U.S. ECOLOGY

Fyi.....Scott

From: Christensen, R S (Rosa)
Sent: Thursday, April 16, 2009 2:56 PM
To: Feaster, Scott L
Cc: Koeller, Pamela J; Fairchild, Eric E
Subject: FW: TRANSFER OF ESCESS SOIL TO U.S. ECOLOGY

Hi Scott,

Per my conversation with Pam Koeller I am forwarding you this information that I received from Rene Mercado – DOE–RL on the transfer of excess soil to U.S. Ecology.

I received a phone call this afternoon from Rene and he requested that I get with you on this and told me that a letter was being drafted for DOE–RL signature for the transfer of soil and requested that I complete a SF–122 Transfer Order Excess Personal Property form that will go with the letter.

So I guess I need to get with you on this,
Rosa Christensen
WCH Property Management
509-372-9468

6/29/2010

From: Mercado, Renato S [mailto:Renato_S_Mercado@RL.gov]
Sent: Tuesday, April 14, 2009 2:54 PM
To: Fairchild, Eric E; Christensen, R S (Rosa)
Cc: Mercado, Renato S
Subject:

Eric/Rosa,

Please do the transfer paper of the attached. Let me know if we do have a problem, thanks.

*Renato S. Mercado
U.S. Department of Energy
Richland Operations Office
P.O. Box 550; MS A6-39
Richland, WA 99352
Ph: (509) 373-7286
Fax: (509) 376-1466*

Koeller, Pamela J

From: Kisenwether, Thomas F
Sent: Thursday, June 17, 2010 2:51 PM
To: Koeller, Pamela J
Subject: FW: Letter 09-AMRC-0101 / Soil to USE / Lette of Direction

As requested

From: Covert, Bruce C
Sent: Monday, May 11, 2009 6:38 AM
To: Boecker, Donald L; Caulfield, Richard A; Borlaug, William A; Kisenwether, Thomas F
Subject: FW: Letter 09-AMRC-0101 / Soil to USE / Lette of Direction

FYI

From: Feaster, Scott L
Sent: Sunday, May 10, 2009 6:27 AM
To: Harris, Tony A; Plung, Daniel L (Dan); Covert, Bruce C; Wintczak, Thomas M; Boecker, Donald L; Kisenwether, Thomas F; Blackburn, James E (Jeb); Irwin, Gerald L; Heidelberg, Tracy A; Dodd, Ryan A; Houston, Dennis H; Harrison, Rodney M
Cc: Spencer, Charles G; Feaster, Scott L
Subject: FW: Letter 09-AMRC-0101 / Soil to USE / Lette of Direction

Please see message below. This scope will need to be included in our proposal for ARRA.

Thanks...Scott

From: Wirkkala, Andrew H [mailto:Andrew_H_Wirkkala@RL.gov]
Sent: Friday, May 08, 2009 9:05 AM
To: Feaster, Scott L
Cc: Short, Jewel J; French, Mark S; Plung, Daniel L (Dan); Wirkkala, Andrew H
Subject: RE: Letter 09-AMRC-0101 / Soil to USE / Lette of Direction

Scott,

This email message confirms that what you state below was the intent of DOE; That, with regard to DOE letter number 09-AMRC-0101:

- 1) The subject scope and cost are ARRA funded,
- 2) WCH will deliver the soil to US Ecology (USE), and
- 3) The funds, cost and scope will be tracked under ERDF Expansion, Legacy Program Value FD0211120.

v/r,

Andrew H. Wirkkala
Contracting Officer

6/17/2010

From: Feaster, Scott L [mailto:SLFEASTE@wch-rcc.com]
Sent: Thursday, May 07, 2009 2:18 PM
To: Wirkkala, Andrew H
Cc: Short, Jeff; French, Mark S; Plung, Daniel L (Dan); Feaster, Scott L
Subject: Letter 09-AMRC-0101 / Soil to USE / Lette of Direction

Andy, Mark

Please confirm our discussion as follows:
ARRA funded

1. The subject scope and cost is
2. WCH will deliver the soil to
USE
3. The funds, cost and scope will
be tracked under ERDF
Expansion, Legacy Program
Value FD0211120

Thanks...Scott Feaster

French, Mark

From: Short, Jeff
Sent: Wednesday, June 24, 2009 10:11 AM
To: Robertson, Owen Jr
Cc: French, Mark S; Melling, Vicki A
Subject: Subcontract Consent Package

Categories: Critical

Owen,

Mark has brought to our attention an issue with the options which are a part of the DelHur subcontract consent request package. The letter you are working on should reflect that we do not consent to the options. In addition, the letter should include the disclaimer shown below. If you have any questions, please contact Vicki Melling or me if necessary.
Thanks

"The Contracting Officer's consent to subcontract does not constitute a determination of the acceptability of the subcontract terms or price, or of the allowability of costs."

Thanks,

Jewel J. Short (Jeff), Contracting Officer
US Department of Energy
Richland Operations Office, Procurement Division
PO Box 550, A7-80
Richland, WA 99352
Phone: (509)376-2882
Fax: (509) 376-5378

French, Mark

From: Carosino, Robert M
Sent: Wednesday, July 01, 2009 10:50 AM
To: French, Mark S; Short, Jeff
Cc: Franco, Jose R (Joe); Wirkkala, Andrew H
Subject: RE: BCC CORR/09-AMRC-0101/0905010917/CONTRACT NO. DE-AC06-05RL14655 - TRANSFER OF SOIL EXCAVATED FROM THE ENVIRONMENTAL RESTORATION DISPOSAL FACILITY (ERDF) SUPER CELL 9 TO WASHINGTON STATE DEPARTMENT OF HEALTH (DOH) CONTRACTOR U.S. ECOLOGY (USE)

Sounds like we are all on the same track. No approval for exercise of the options.

Bob

From: French, Mark S
Sent: Wednesday, July 01, 2009 8:11 AM
To: Short, Jeff; Carosino, Robert M
Cc: Franco, Jose R (Joe); Wirkkala, Andrew H
Subject: RE: BCC CORR/09-AMRC-0101/0905010917/CONTRACT NO. DE-AC06-05RL14655 - TRANSFER OF SOIL EXCAVATED FROM THE ENVIRONMENTAL RESTORATION DISPOSAL FACILITY (ERDF) SUPER CELL 9 TO WASHINGTON STATE DEPARTMENT OF HEALTH (DOH) CONTRACTOR U.S. ECOLOGY (USE)

We've already agreed that we won't approve the options to move the soils to US Ecology.

Mark S. French
Federal Project Director
373-9863

From: Short, Jeff
Sent: Wednesday, July 01, 2009 6:54 AM
To: French, Mark S; Carosino, Robert M
Cc: Franco, Jose R (Joe); Short, Jeff; Wirkkala, Andrew H
Subject: RE: BCC CORR/09-AMRC-0101/0905010917/CONTRACT NO. DE-AC06-05RL14655 - TRANSFER OF SOIL EXCAVATED FROM THE ENVIRONMENTAL RESTORATION DISPOSAL FACILITY (ERDF) SUPER CELL 9 TO WASHINGTON STATE DEPARTMENT OF HEALTH (DOH) CONTRACTOR U.S. ECOLOGY (USE)

In addition, the work for USE is included in an option under the DelHur subcontract. I will not consent to the option to perform this work. For one thing, WCH needs to get started soon on the ERDF excavation, and it will take time to re-price the options, which will require certified cost and pricing data and full blown cost analysis (FAR 15.4).

Thanks,

Jewel J. Short (Jeff), Contracting Officer
US Department of Energy
Richland Operations Office, Procurement Division
PO Box 550, A7-80
Richland, WA 99352
Phone: (509)376-2882
Fax: (509) 376-5378

From: French, Mark S
Sent: Tuesday, June 30, 2009 5:14 PM
To: Carosino, Robert M
Cc: Franco, Jose R (Joe); Short, Jeff
Subject: FW: BCC CORR/09-AMRC-0101/0905010917/CONTRACT NO. DE-AC06-05RL14655 - TRANSFER OF SOIL EXCAVATED FROM THE ENVIRONMENTAL RESTORATION DISPOSAL FACILITY (ERDF) SUPER CELL 9 TO WASHINGTON STATE DEPARTMENT OF HEALTH (DOH) CONTRACTOR U.S. ECOLOGY (USE)

I went back and looked at the letter to verify that we did direct WCH to "deliver the soils" to US Ecology. As we discussed, at the time this letter was written we did not expect this to be a significant cost. Now that we have received the subcontract for review we consider the cost for this work to be more than we anticipated and we will need to work with WCH and DOH to determine if there is a more cost-effective way to get the soils to US Ecology, e.g. US Ecology perform some of the work on their site instead of the WCH subcontractor.

Mark S. French
Federal Project Director
373-9863

From: Linney, Fay

Sent: Friday, May 01, 2009 11:55 AM

To: Angulo, Carole E; Robertson, Owen Jr; Benguiat, Keith A; Bryson, Dana C; Ellis-balone, Geneva; Finan, Maria; Franco, Jose R (Joe); French, Mark S; Hathaway, H B (Boyd); Mercado, Renato S; Russell, Woody; Spitz, Vickie B; Wirkkala, Andrew H

Subject: BCC CORR/09-AMRC-0101/0905010917/CONTRACT NO. DE-AC06-05RL14655 - TRANSFER OF SOIL EXCAVATED FROM THE ENVIRONMENTAL RESTORATION DISPOSAL FACILITY (ERDF) SUPER CELL 9 TO WASHINGTON STATE DEPARTMENT OF HEALTH (DOH) CONTRACTOR U.S. ECOLOGY (USE)

"09-AMRC-0101 - [0905010917]" can be accessed via the following link:

<http://idmsweb/idms/livelink.exe/open/143097374>



Department of Energy
Richland Operations Office
P.O. Box 550
Richland, Washington 99352

09-PRO-0492

JUL 02 2009

Mr. C. G. Spencer, President
Washington Closure Hanford LLC
2620 Fermi Avenue
Richland, Washington 99354

Dear Mr. Spencer:

CONTRACT NO. DE-AC06-05RL14655 – ENVIRONMENTAL RESTORATION DISPOSAL FACILITY (ERDF) SUPER CELL 9 EXCAVATION; REQUEST FOR CONSENT TO AWARD SUBCONTRACT NO. S0105044A00

In reference to WCH Letter No. 145091, subject as above, dated June 17, 2009, consent to award a contract to DelHur Industries, Inc., in the amount of \$4,623,400.00 for the base workscope for excavation of ERDF Super Cell 9 is hereby provided. DOE-RL does not consent to inclusion in the subcontract of Options 1 and 2 for transfer of excavated soil from ERDF to U.S. Ecology.

In accordance with the subcontracting clause of Contract DE-AC06-05RL14655, 173. FAR 52.244-2, Subcontracts (Aug 1998) Alt II (Aug 1998), Contracting Officer consent to this subcontract does not constitute a determination of the acceptability of the subcontract terms and conditions or price, of the allowability of any costs under this subcontract, or to relieve WCH of any responsibility for performing this contract.

If you have questions concerning this letter, please contact me at (509) 376-2882 or Vicki Melling, (509) 376-8512, if you have any questions.

Sincerely,

A handwritten signature in black ink, appearing to read "Jewel J. Short".

Jewel J. Short
Contracting Officer

PRO:VAM

cc: S. L. Feaster, WCH
T. A. Harris, WCH
D. H. Houston, WCH
D. L. Plung, WCH

Rodriguez, Annabelle L

From: Rodriguez, Annabelle L
Sent: Tuesday, September 04, 2007 7:32 AM
To: Marceau, Thomas E
Cc: Gano, Kenneth A (Ken); Sharpe, Jim J; Weiss, Elizabeth M; Rodriguez, Annabelle L
Subject: FW: ERDF Expansion: Construction of Cells 7, 8, 9, and 10 (NPE # 2007-600-007a)

Attachments: review of cultural resources.doc

Based on the information provided, I have determined the proposed activity has no potential to cause effects on historic properties.

You may notify the projects they may proceed.

Annabelle Rodriguez
U.S. DOE
Cultural and Historic Resource Program

From: Marceau, Thomas E [<mailto:TEMARCEA@wch-rcc.com>]
Sent: Tuesday, September 04, 2007 6:38 AM
To: Rodriguez, Annabelle L
Cc: Gano, Kenneth A (Ken); Sharpe, Jim J; Weiss, Elizabeth M
Subject: ERDF Expansion: Construction of Cells 7, 8, 9, and 10 (NPE # 2007-600-007a)

Do you concur that this project is the type of activity that has no potential to cause effects on historic properties?

Project: ERDF Expansion: Construction of Cells 7, 8, 9, and 10 (NPE # 2007-600-007a)

Activity: Clear, grub, and construct ERDF Cells 7 through 10 and support areas

The project plans to clear, grub, and construct four new disposal cells at ERDF (see *Hanford Site Atlas*, page 129). All blading and grubbing will be accomplished using mechanical equipment. All activities will take place within the ERDF boundary fence. The project area has been surveyed previously for cultural resources. Cultural resource inventories completed in and around the project area include: HCRC # 92-600-030, 93-200-001, 93-600-005, 93-600-038, and 94-600-040. These inventories recorded no sites in the project area, and none are expected. Given this location and the absence of sites, we believe that this project is not the type with the potential to cause effects to historic properties.

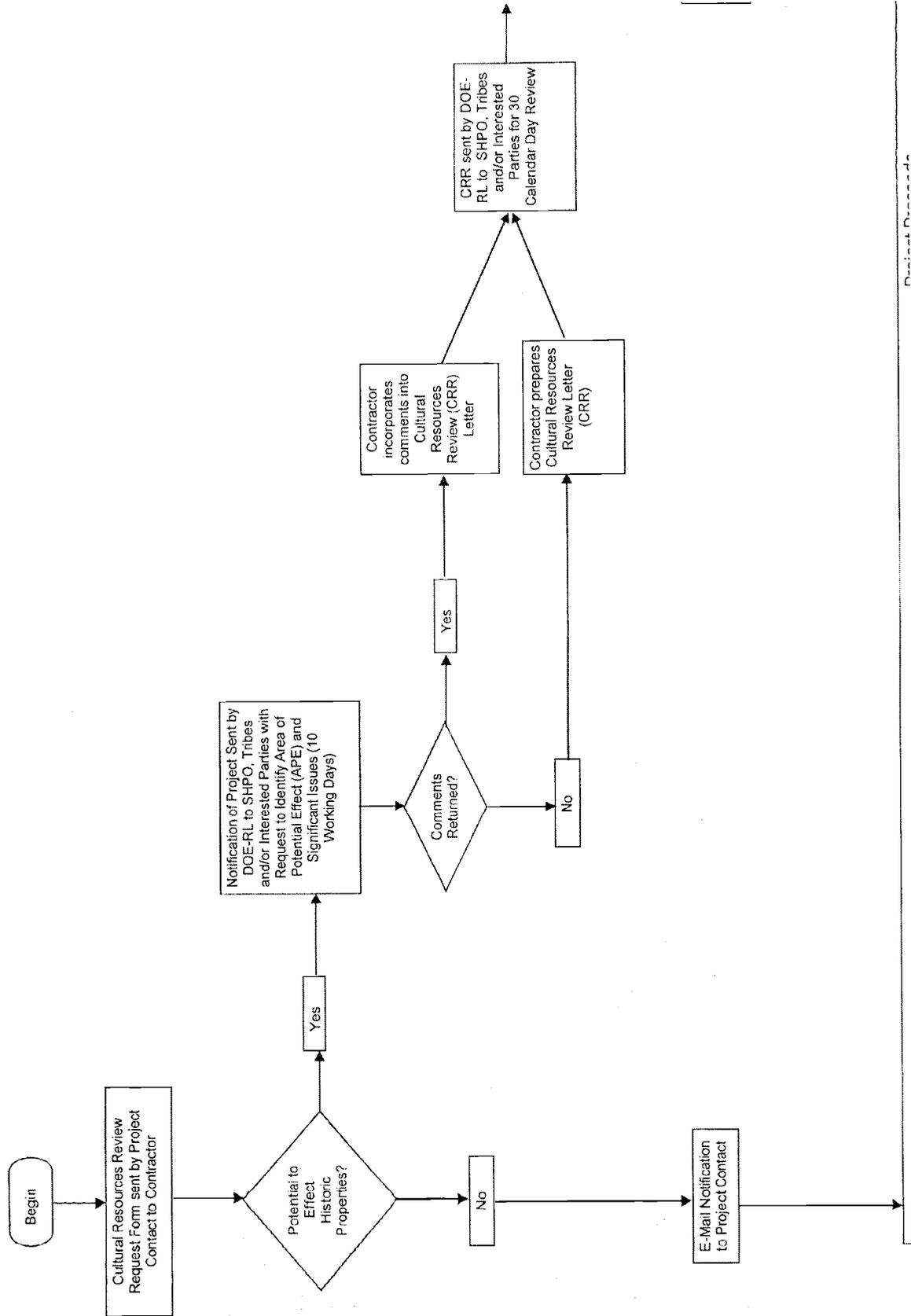
[NOTE: This request supersedes NPE # 2007-600-007 dated November 30, 2006 and approved by RL on December 5, 2006. That request cleared construction for ERDF Cells 7 and 8 but was placed on hold until plans for Cells 9 and 10 were developed.]

Thank you,

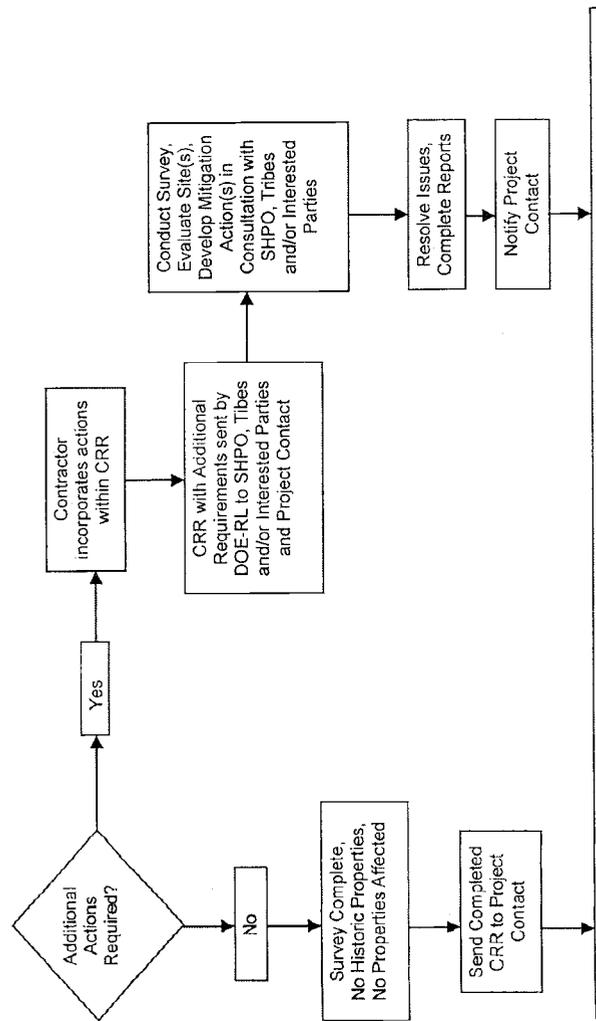
Tom Marceau
WCH Cultural Resources Supervisor

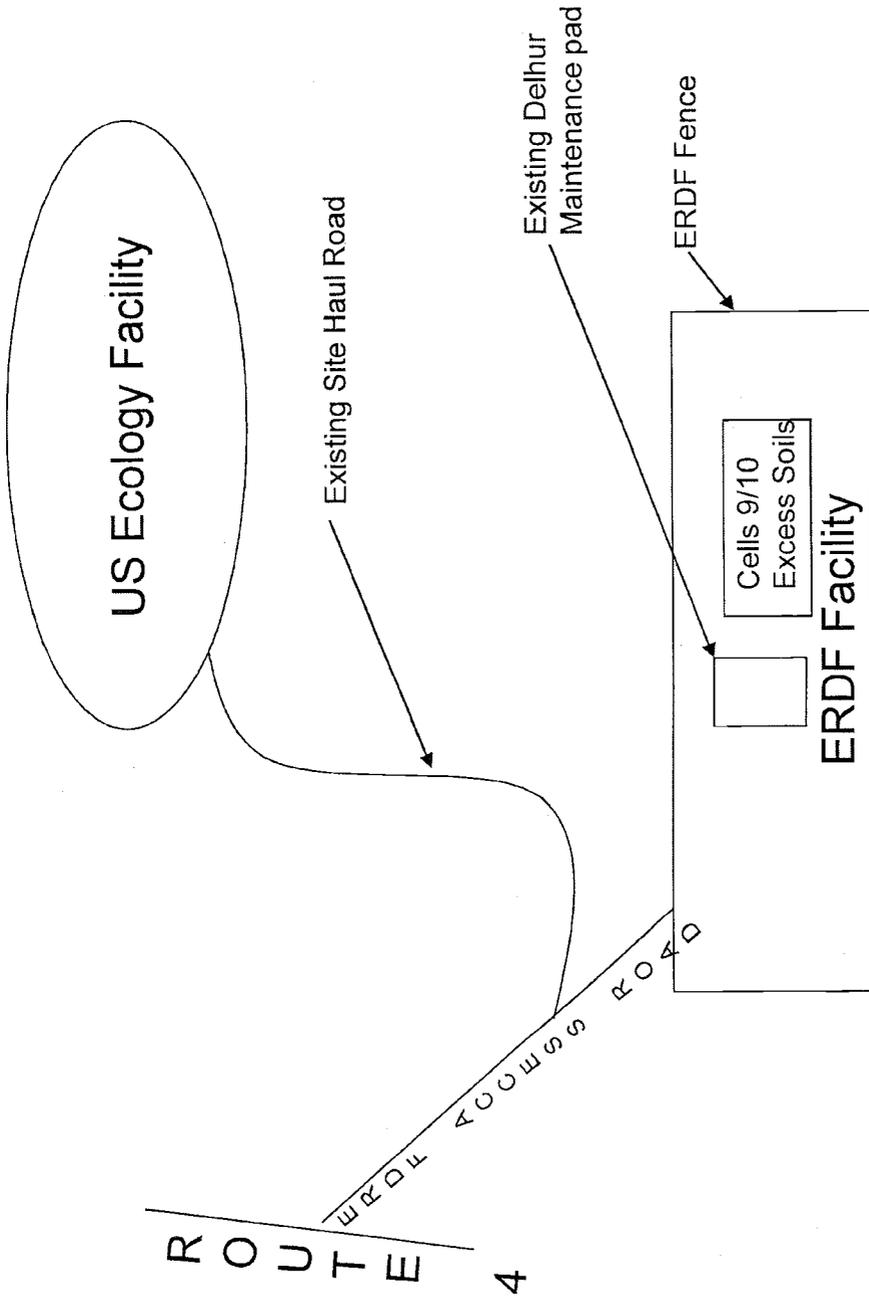


review of cultural
resources.d...



Project Proceeds





NOTES:

Work performed inside blue boundaries (including roads) must be performed in accordance with the Subcontract Agreement Documents.

Work control and incident reporting inside blue boundary (inside ERDF fence) will be the responsibility of WCH.

Work performed inside black boundary shall be performed in accordance with US Ecology requirements.

Work control and incident reporting outside blue boundary (outside the ERDF fence) will be the responsibility of US Ecology.

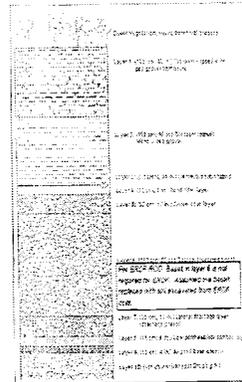
Memo to File:

BASIS FOR DECLARING APPROXIMATELY 800,000 CUBIC YARDS (CY) OF ENVIRONMENTAL RESTORATION DISPOSAL FACILITY (ERDF) SOIL EXCESS FOR USE BY U.S. ECOLOGY.

The figure below is a soil balance estimate for ERDF Cells 1-10 (Note that this soil balance was prepared by Washington Closure Hanford (WCH) June 2008, before the Super Cell 9 designation, so please read cells 9&10 as Super Cell 9, but nothing else has changed, hence the use of soil balance is still valid.).

ERDF Soil Balance Estimate for Cells 1-10

		By: <u>Borking</u>
		Date: <u>05/18/09</u>
		Estimated Soil (CY)
Soil Excavated & Stockpiled:		
East Stockpile Remaining as of 6/12/08 (prior to be removed for construction of Cells 9&10)		457,853
Cells 588 Stockpile		580,000
Cells 7&8 Excavation		1,149,835
Cells 9&10 Excavation		1,511,742
Total Soil Excavated (CY) =		4,099,430
Soil Needed for Cell Construction of Cells 7-10:		
Cell 7&8 Construction		231,651
Cells 9&10 Construction		754,328
Total Soil Needed for Cell Construction (CY) =		466,019
Soil Needed for ERDF Operations, 2008 through 2015:		
Soil Needed for Operations 2008 through 2015 (500' Diameter)		249,000
Soil Needed for Interim Deck Construction		250,000
Total Soil Needed for ERDF Operations (CY) =		499,000
Soil Needed for Interim Cover for Cells 2-10:		
	Excavated Interim Cover Area (Acres)	Interim Cover Thickness (ft)
Cells 1&2 Interim Cover Remaining	18	1
Cells 3&4 Interim Cover	12	1
Cells 5&6 Interim Cover	12	1
Cells 7&8 Interim Cover	12	1
Cells 9&10 Interim Cover	12	1
Total Soil Needed for Interim Cover (CY) =		135,522
Soil Needed for Final Cover for Cells 1-10:		
	Excavated Final Cover Area (Acres)	Final Cover Thickness (feet)
Cells 1&2 Final Cover	20	12.2
Cells 3&4 Final Cover	18	12.2
Cells 5&6 Final Cover	12	12.2
Cells 7&8 Final Cover	12	12.2
Cells 9&10 Final Cover	12	12.2
Total Soil Needed for Final Cover (CY) =		1,928,592
Excess Soil Available for Cells 1-10 (CY) (1)		1,635,909



FINAL COVER (HANFORD BARRIER - for reference only)

NOTES:
 (1) Approximately 600,000 CY (-1,500,000 CY - 250,000 CY - 499,000 CY - 27,000 CY - 343,000 CY) of Excess Soil will be generated for any additional future cell pairs.
 (2) High quality excess soil (ERDF) used for Excess Soil is obtained from the East Stockpile and Cells 9&10 excavation structure.
 (3) Hanford Barrier is 15' high. Approximately 12" (1 layer) 12" x 24" (1/2" in place of 1/4"), 1/4" of the barrier can be constructed using excess soil from ERDF cells. The soil excavated from ERDF cells can not be used for the remaining 3" (Layer 5) gravel (1st Layer 7" and 800' Layer 8&9 as 1/4").
 (4) Apple's 30" @ 15' thickness to top from top of barrier to extending over 100' over cell boundary and spacing 15" @ 12" @ 1' to account for 200' over of 1/2" cap to next grade @ 4:1 slope.

As shown in the figure ERDF will have over 1,000,000 CY of excess soil for use by others. The construction of Super Cell 10 will yield another 600,000 CY of excess soil.

Prepared by: Owen Robertson
Approved by: Mark French

WCH Washington Closure Hanford *Meeting Minutes*

142725

SUBJECT

ERDF INTERFACE MEETING MINUTES

**Washington Closure Hanford (WCH) Building, MO-607, Richland,
Washington**

TO

Distribution

FROM

Michael G. Peloquin



DATE

January 7, 2009

ATTENDEES

W. A. Borlaug, T2-10
J. Voss, T2-10
M. A. Casbon, T2-03
F. L. Farmer, T2-03
B. E. Stubbs, T2-03
T. F. Kisenwether, T2-10
W. F. Johnson, H4-22
B. C. Covert, T2-03
M. G. Peloquin, T2-03
O. C. Robertson (RL), A3-04
D. R. Einan (EPA), B1-46

DISTRIBUTION

J. W. Donnelly, H4-22
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D. T. Bignell, H4-22
A.K. Wright, L4-13
J. P. Sands (RL), A3-04
M. S. French (RL), A6-38
J. R. Franco (RL), A3-04
Document Control H4-11

A meeting was held on January 7, 2009, at Washington Closure Hanford (WCH) Building, MO-607, Richland, Washington and these minutes are a summary of the discussions.

ADMINISTRATIVE

- Next ERDF Weekly Interface Meeting – The next meeting will be on Wednesday, January 14, 2008.
- Attendees/Delegations – Representatives from the U.S. Environmental Protection Agency (EPA) and the U.S. Department of Energy, Richland Operations Office (RL) were present to conduct the business of the weekly meeting.
- Approval of Minutes – The minutes for the meeting on December 17, 2008 were approved.
- Agenda – Attachment 1 is the meeting agenda.
- Action Item Status – The status of action items is provided in Attachment 2.

TOPICS DISCUSSED

Safety Topic

Operations – Jeff Armatrout

- **Field Director Sabbatical**

Bruce Covert will be taking a 3 month sabbatical to the UK. Jeff Armatrout will be the Acting Field Director, Frank Farmer will be the acting Operations Manager and Rick Caulfield will be the acting Transportation Manager. Bruce will be back monthly for a week at a time and will stay in touch with e-mail.

- **Status OHC Cost**

- Currently working through the disclosure portions of the issue and preparing for the increased volumes. Planning is difficult until the generators have enough information to provide dependable volume estimates.
- OHC's have requested some information on our criteria for "Greater Than Class C" and TRU determinations. WCH will ensure incoming wastes meet the WAC/SWAC by completing the profiles and approving the waste streams in WMIS prior to shipment. This will also ensure the proposed waste streams are evaluated against the Authorization Basis.

- **Status General Operations:**

- Weather has been impacting the generators. A lot of effort has been placed on snow removal and ice control. The efforts appear to be paying off as ERDF did not have any trips, slips or falls during the recent ice conditions resulting in many of these incidents site-wide.
- The John Deere Dozer will need significant welding on the under carriage. The work must be performed under the machine and WCH is ensuring it can be performed safely.
- Posi-shell cannon designed to attach to the ERDF Dozers for application of fixatives in posted areas should be on-site by the third week of January.

- **Status Treatment Operations**

- Lead Treatment - two additional containers have been shipped from 618-1 and a drum from 618-7.
- Chromium Treatment - The separating and segregating using the XRF process has been completed. Approximately 800 tons of material will need treatment out of the 6500 tons processed.
- Mercury Treatment is over half way done and should be completed by the end of next week.

Design/Construction Review Status – Tom Kisenwether

- **Status First Section of the Cells 7 & 8 Final CQA Report – Joe Voss**

- 1-29-09 Excavation/Soils Report
- 2-26-08 Operations/ATP
- 3-19-08 Final Report

The Liner report was distributed for review and comment. It is the first of four Final Reports which will be issued over the next 2-3 months. All of the different liner systems from vadose zone to the leachate collection system are summarized in the report with four binders of

supporting documentation also provided. The white paper on the "Rutting issue" has been included as Appendix G in the supporting documents.

The Acceptance Testing will be performed in about 2 months and EPA, Doe and others will be invited. If there are specific people who need to attend please let Tom Kisenwether know.

- **Status of Construction**

- Weather impacting fence installation and vegetation activities
- The electrical outage is scheduled for Friday and should only take a few hours.
- Finish seeding the stockpiles next week.
- Continuing to work on piping and painting at Crest Pad 7

- **DCN for the moisture sensor in the leachate collection system.**

Proposal to move the sensor up higher than the ½ inch above the floor of the manhole specified in the design. The current positioning at ½ inch from the bottom has caused problems with the annual testing and false alarms from run-off intrusion.

- **Status ROD Amendment for Additional Cells (Schedule)**

Received comments from DOE and EPA comments are in process. D. Einar will schedule a date to present a briefing to the HAB and WCH will incorporate the date into our schedule.

- **Status US Ecology/DOH "Excess Soil" Use**

No comments on the information provided at this time. WCH will send over the last exhibit G needed to complete the contract. USE's schedule show excavation of soil commencing in August, 2009.

Engineering – Brian Stubbs

- **Status the PA Schedule**

Met with consultant who will develop a schedule by the end of the month. One of the issues identified in the plan will be the DOE moratorium on modeling. D. Einar, EPA asked if a request from his agency could assist in achieving a DOE allowance for this activity.

- **Status CAES System Upgrade**

System is up and running, everything appears to be communicating with the central computer. WCH met with EPA and DOE after this meeting to discuss what a monthly report would look like, examples of documentation supporting each compaction scenario were discussed in detail, potential uses in conjunction with the 90 day plan and other possible uses of the data are being explored, such as, combining the compaction data with a CAD System to help build a model of the cells allowing better planning.

- **Status leachate System**

Currently in the process of removing the MOV's and upgrading various switches, pumps and valves

- **Status Sampling Activities**

- Leachate – The laboratory did not have the proper standards for the Formaldehyde analysis and exceeded the holding time therefore we will include Formaldehyde in our next round of sampling in June
- Lysimeter- Requested a 14 day turn around time on these samples, however, the lab was in the process of moving the equipment needed to run these analyses into a new building. WCH requested the lab to forward these samples to another HASQARD lab and complete the analyses as soon as possible. Results should be available by the end of the month.
- Lead Staging Pile Area –These samples were forwarded to another lab for the same reason as the Lysimeter samples.
- Chromium B-25's Treatment- These samples were forwarded to another lab for the same reason as the Lysimeter samples.

- **Status Basin Lysimeters**

Updated dewatering pump arrival January 15, Dewatering will begin when data is available. Lysimeter plan is currently receiving an in-house review and should be available next week for review and comment.

Environmental – Mike Peloquin

- Approval of minutes from prior meeting:
- Next Meeting 1/14/2009
- Status Action Items:

NEW ISSUES IDENTIFIED

No new issues were identified for future resolution.

NEW ACTION ITEMS

New action items are identified in the attached table.

AGREEMENTS DISCUSSED OR REACHED

No new agreements were reached.

SPECIAL TOPICS

No new special topics were identified.

SITE TOURS/INPECTIONS

No site tours took place.

ATTACHMENT 1
ERDF REGULATORY INTERFACE MEETING
January 7, 2009

Safety Topic

Operations – Jeff Armatrout

- Status OHC Billing Rates
- Status Operations
- Status Treatment Operations

Design/Construction Review Status – Tom Kisenwether

- Status First Section of the Cells 7 & 8 Final CQA Report – Joe Voss
- Status of Construction
 - 1-29-09 Excavation/Soils Report
 - 2-26-08 Operations/ATP
 - 3-19-08 Final Report
- Status ROD Amendment
- DCN for the moisture sensor in the leachate collection system.
- Status US Ecology/DOH "excess soil" use

Engineering – Brian Stubbs

- Status PA Schedule
- Status CAES System
- Status Leachate System
- Status Sampling
- Status Basin Lysimeters

Environmental – Mike Peloquin

- Approval of minutes from prior meeting
- Next Meeting 1-14-09

ATTACHMENT 2
STATUS OF ACTION ITEMS
January 7, 2008

Open (O)/ Closed (X)	Action No.	Actionee	Activity	Action Description	Status
O	ERDF-008	M. Peloquin	ERDF AMP	Revise per EPA/WDOH comments (following test plan conclusion)	Opened: 9/18/07; Closed: TBD.
O	ERDF-027	B. Stubbs	Repairs to Cells 1 & 2	The Leachate and Washwater Management Plan may need to be revised to update the description of the new system	Opened: 10/17/07; Closed: TBD.
O	ERDF-053	B. Stubbs	Performance Assessment	Provide Owen Robertson with a schedule	Opened: 11/14/07; Closed: TBD.

WCH Washington Closure Hanford *Meeting Minutes*

143732

SUBJECT**ERDF INTERFACE MEETING MINUTES**

Washington Closure Hanford (WCH) Building, MO-607, Richland,
Washington

TO Distribution**FROM** Michael G. Peloquin **DATE** March 11, 2009**ATTENDEES**

T. A. Nelson, H4-14
M. A. Casbon, T2-03
J. F. Armatrout, T2-03
W. A. Borlaug, T2-10
B. E. Stubbs, T2-03
M. G. Peloquin, T2-03
O. C. Robertson (RL), A3-04
D. R. Einan (EPA), B1-46

DISTRIBUTION

J. W. Donnelly, H4-22
P. C. Ciszak, T2-10
C. T. Wolfley, T2-05
R. A. Caulfield, T2-03
B. C. Covert, T2-03
T. F. Kisenwether, T2-10
F. L. Farmer, T2-03
W. F. Johnson, H4-22
R. J. Landon, H4-21
D. T. Bignell, H4-22
A.K. Wright, L4-13
M. S. French (RL), A6-38
J. R. Franco (RL), A3-04
Document Control H4-11

A meeting was held on March 11, 2009, at Washington Closure Hanford (WCH) Building, MO-607, Richland, Washington and these minutes are a summary of the discussions.

ADMINISTRATIVE

- Next ERDF Weekly Interface Meeting – The next meeting will be on Wednesday, March 18, 2009.
- Attendees/Delegations – Representatives from the U.S. Environmental Protection Agency (EPA) and the U.S. Department of Energy, Richland Operations Office (RL) were present to conduct the business of the weekly meeting.
- Approval of Minutes – The minutes for the meeting on March 4, 2009 were approved.
- Agenda – Attachment 1 is the meeting agenda.
- Action Item Status – The status of action items is provided in Attachment 2.

TOPICS DISCUSSED

Safety Topic

Design/Construction Review Status – Bill Borlaug

- **Status of Construction**

- Excavation/Soils Report – Distributed at the meeting
- Operations/ATP – Distributed
- Final Report

O. Robertson, DOE requested a copy of the Operations/ATP Report electronically as a .pdf file. A rough schedule for the remaining items was discussed:

2 weeks to complete the informal review by EPA/DOE

1 week to incorporate comments and complete the Final Report

Transmit the report to DOE the week of April 6

- **Liner Report Review Status**

WCH met with EPA earlier in the week to finalize the comments. Incorporation of the comments should be completed by the end of the week.

- **US Ecology Soils**

There have been on-going discussions between DOE and DOH on these soils. DOE has requested that WCH haul the soil to US Ecology when the subcontractor has been mobilized to excavate the next cell. WCH will look into this request and see what it would take to perform this work.

- **Status Grubbing Cell 9**

WCH received approval from senior management to proceed with grubbing in preparation of the cell 9 expansion. The grubbing needed to take place prior to the nesting season which runs from March 15 – July 15, in order to minimize the impact to nesting birds. This was completed at the end of last week and will allow excavation of the cell to begin when funding becomes available.

- **Status ROD Amendment**

- Status White Paper on Alternate Design

The white paper on the alternate design changes for the new cell will be routed for WCH review later in the week. The document should be complete by March 23, 2009. The white paper will not include design calculations but will provide enough detail to demonstrate the design changes are feasible and materials are available if needed to support construction.

D. Einan, EPA requested WCH add a paragraph describing the availability, durability and constructability of the proposed geocomposite.

- Status PP & PA Presentation

D. Einan, EPA gave the presentations on the Performance Assessment and the Proposed Plan to the River & Plateau Committee. There was a lot of interest in the performance assessment and several of the questions tied the two topics together. The primary issue associated with the proposed plan appears to be with the proposed administrative change amending the existing ROD Amendment process by allowing future ERDF expansions to be

approved by EPA and DOE in place of a ROD Amendment. It has been suggested that WCH delay the public comment period for a month to allow the RAP committee time to develop and issue advice to the HAB.

WCH is looking into this and other potential options. There was general agreement that the proposed plan should be modified to include "super cell" 10 as well in the event the administrative change is removed from the proposed plan.

- Trustee Presentation – Support
D. Einan, EPA will be giving a presentation to the Trustees at 9:30 AM, 3-19-09. The trustees seem to be primarily interested in the impacts to the habitat and are interested in the leachate sample results. WCH offered to provide support for this presentation, if needed. WCH could have the ecological team present the impacts and mitigation measures implemented for the ERDF if the trustees have available time on the agenda.
- Hanford Communities Presentation – Support
M. French, DOE will be giving a presentation to the Hanford Communities at 8:00AM on 3-20-09. T. Nelson, WCH will be supporting this effort and has been developing a presentation to assist DOE.

Operations – Jeff Armatrout

- **Status General Operations:**
 - Some wind issues, however, WCH averaged over 200 containers/day in February. The March average is coming down due to wind and reduced production by the generators.
 - The new Posi-shell cannon (dubbed the Posi-Pup) is being refitted with a more robust valve. Some of the craft identified the existing valve as a likely failure point and management agreed it would be better to replace the valve prior to placing the equipment in a CA. The equipment should be in service by next week.
 - Maintenance on the 1050 Dozer should begin this week.
- **Status Interim Cover**
WCH is reviewing the estimates for the interim cover on cells 3 & 4 and should be able to award the work next week.
- **Status CTA Expansion and Grubbing**
The grubbing for the next 2 phases of the CTA expansion are been completed. A later phase of the expansion will include grubbing and fill along the south side of the CTA. This area will be needed to expand the OHC container storage area and provide additional space for the maintenance group. The OHC's are currently estimating the purchase of 300 containers with a projected waste volume of up to 200 containers per day.
- **Status Inbound Railroad Ties and Telephone Poles**
There is no new information on this but we should have some information at the next meeting.
- **Status OHC**
WCH is waiting to hear back on the IM's and will support as needed. All of the OHC's are being fully supported.

Engineering – Brian Stubbs

- **Alternative Void fill - Poly Urethane Foam**
This document is still under review by EPA and DOE.
- **Status Annual ROD Amendment Plug-in Fact Sheet**
The fact sheet should be out the last week on the month and will be transmitted to DOE at that time.
- **Status Revisions to the SAI's**
The SAI revisions have been drafted and the revised language approved by the EPA and DOE. The documents will be routed for signature as soon as technical editing has been completed.
- **Status Compaction Reports**
The January and February compaction reports are being reviewed. February should be close to 100% automated with the Caes System. WCH will schedule another compaction report review meeting in the near future.
- **Status Basin Lysimeters**
R. Weiss, WCH Chemist will issue a letter as requested in the last meeting. The letter should be out by the end of the month. This was added to the action item list.

Environmental – Mike Peloquin

- Approval of minutes from prior meeting: 3-4-09
- Next Meeting 3/18/2009, Attendees were asked to check their calendars for the April 1 meeting, scheduled for spring break. There was general agreement to cancel this meeting.
- Status Action Items: N/A

NEW ISSUES IDENTIFIED

No new items were identified.

NEW ACTION ITEMS

New action items are identified in the attached table.

AGREEMENTS DISCUSSED OR REACHED

No new agreements were reached.

SPECIAL TOPICS

No new special topics were identified.

SITE TOURS/INPECTIONS

No site tours took place.

ATTACHMENT 1
ERDF REGULATORY INTERFACE MEETING
March 11, 2009

Safety Topic

Design/Construction Review Status – Bill Borlaug

- Status of Construction
 - Excavation/Soils Report 3/4
 - Operations/ATP 3/9
 - Final Report

- Liner Report Review Status

- USE soils

- Status Grubbing Cell 9

- Status ROD Amendment
 - Status White Paper on Alternate Design
 - Status RAP presentation
 - Trustee Presentation – Support
 - Hanford Communities Presentation – Mark French

Operations – Jeff Armatrout

- Status Operations

- Status Interim Cover

- Status CTA Expansion and Grubbing

- Status Posi-Shell

- Status Inbound Railroad Ties & Telephone Poles

- Status OHC

Engineering – Brian Stubbs

- Alternative Void Fill Material - Poly Urethane Foam

- Status Annual ROD Amendment Plug-in Fact Sheet

- Status Revision to the SAI
 - Chromium and Mercury
- Status Basin Lysimeters

Environmental – Mike Peloquin

- Approval of minutes from prior meeting, 3-4-09
- Next Meeting 3-18-09

ATTACHMENT 2
STATUS OF ACTION ITEMS
March 11, 2009

Open (O) Closed (X)	Action No.	Actionee	Activity	Action Description	Status
O	ERDF-008	M. Peloquin	ERDF AMP	Revise per EPA/WDOH comments (following test plan conclusion)	Opened: 9/18/07; Closed: TBD.
O	ERDF-027	B. Stubbs	Repairs to Cells 1 & 2	The Leachate and Washwater Management Plan may need to be revised to update the description of the new system	Opened: 10/17/07; Closed: TBD.
O	ERDF-09-001	R. Weiss	Lysimeter Letter	Provide a letter to DOE summarizing the lysimeter results and stating the lysimeters are not impacted by Leachate.	Opened: 3/5/09; Closed: TBD.

WCH Washington Closure Hanford *Meeting Minutes*

144548

SUBJECT

ERDF INTERFACE MEETING MINUTES

Washington Closure Hanford (WCH) Building, MO-607, Richland,
Washington

TO

Distribution

FROM

Michael G. Peloquin



DATE

April 29, 2009

ATTENDEES

P. C. Ciszak, T2-10
T. A. Nelson, H4-14
W. F. Johnson, H4-22
M. A. Casbon, T2-03
F. L. Farmer, T2-03
W. A. Borlaug, T2-10
J. F. Armatrout, T2-03
M. G. Peloquin, T2-03
B. C. Covert, T2-03
O. C. Robertson (RL), A3-04

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D. T. Bignell, H4-22
A.K. Wright, L4-13
D. R. Einan (EPA), B1-46
M. S. French (RL), A6-38
J. R. Franco (RL), A3-04
Document Control H4-11

A meeting was held on April 29, 2009, at Washington Closure Hanford (WCH) Building, MO-607, Richland, Washington and these minutes are a summary of the discussions.

ADMINISTRATIVE

- Next ERDF Weekly Interface Meeting – The next meeting will be on Wednesday, May 6, 2009.
- Attendees/Delegations – A representative from the U.S. Department of Energy, Richland Operations Office (RL) was present to conduct the business of the weekly meeting.
- Approval of Minutes – The minutes for the meeting on April 15, 2009 will be approved at the next meeting.
- Agenda – Attachment 1 is the meeting agenda.
- Action Item Status – The status of action items is provided in Attachment 2.

TOPICS DISCUSSED

Safety Topic

Design/Construction Review Status – Bill Borlaug

- **Status Regulatory Final Report**

The Final Report was delivered to DOE and EPA on 4-28-09. EPA issued an approval letter and DOE is in the process of transmitting the formal approval which should arrive next week approving the operational use of the new ERDF cells 7 & 8. WCH will transfer the cells from the construction group to the operations group on 5-4-09 and the Pre-Start Review will occur shortly after WCH receives the formal DOE approval.

- **Status Excavation Activities**

Excavation of the stockpile over cell 9 began yesterday and the soil will be used to construct the interim cover. T. Kisenwether, WCH will continue to interface with US Ecology. The contract will include an option to deliver up 800 thousand yards of material.

- **Status ROD Amendment**

The public comment period will start Monday, May 4 and end June 3. Issuing the proposed plan, fact sheet and other documents in time to start the public process on May 4 was the result of a great teaming effort by EPA, DOE and WCH personnel. The public notice will be in the May 3 edition of the Tricity Herald and the fact sheet will be mailed to a distribution list of approximately 2500 people by Monday.

Operations – Frank Farmer

- **Status General Operations:**

- Received 39 containers of LDR Chromium contaminated soil from 100D.
- The CTA upgrade should be completed next week.
- The mobile posi-shell application unit (posi-pup) is being used and working well. This unit may go into contamination areas which are inaccessible to the truck.
- Scales have been moved from the 70 level in preparation for the interim cover construction.
- 100D area cracked a piston on one of the heavy duty shuttle trucks. In the past the weld on the bottom where the piston attached to the frame was a problem, however, the current failure occurred at the top of the piston. Inspection on the extent of condition has identified cracks in several other similar trucks. Transportation is working with the manufacturer on a different configuration.

- **Status Direct Haul Procurement**

ERDF pre-planning for the direct haul has been looking at proposed roadways and traffic patterns. Field Remediation has currently identified 4 sites each with approximately 40 thousand yards each. 13 bidders participated on the pre-bid tour last week.

- **Status OHC**

- CTA upgrades 2 – 4 will be needed to prepare for the “ready to serve” approach. These Projects are being proposed for funding under the ARRA.
- The OHC’s are generating small volumes at this time, however, 100K Demolition Project will need to start shipping larger volumes soon to meet their performance milestone at the

end of July. Based on their current estimated volumes they may need to ship more than 60 containers per day in June and July to be successful. These projected estimates far exceed their forecast and WCH is working with the generator to get better projections. These would be primarily debris containers requiring a 1:1 mix with soils when disposed which could also impact ERDF's ability to dispose of the waste depending on the waste being shipped by other generators at any given time.

Engineering – Mike Casbon for Brian Stubbs

- **Discuss Equipment Loading Calculations for Cells 7 & 8**

WCH has developed a calculation reviewing each piece of equipment at the facility to determine if it can be operated on the floor of the new cells. Any piece of equipment which is road legal meets the criteria, however, other equipment was divided into three categories approved, restricted and denied. This actually has a minimal impact operationally as standard operating procedures typically have the equipment working on top of a lift and pushing the waste out in front.

- **Status 7 & 8 Fill Plan**

Next week John Lesser, Stoller will present the fill plan for cells 7 & 8 utilizing horizontal lifts.

- **Status CAES**

CAES sent some subject matter experts (SME) out last week and rebuilt the computer screens inside the equipment showing compaction progress. The SMEs were able to “tweak” the program and started getting much more consistent results. They are still working a couple of other issues but the system appears to be working better. WCH plans to roll everything up and put together some lessons learned, training plans and develop more specific procedures to assist the personnel implementing the system.

- **Status Annual 2007 Amended ROD Fact Sheet**

The fact sheet has been developed and is in the internal transmittal signoff process and will be sent over to DOE next week.

- **Status Basin Lysimeters**

Baseline sampling of lysimeters 7 & 8 was performed and when data is returned the lysimeters will be dewatered. The lysimeter letter is in the internal transmittal signoff process and will be sent over to DOE next week.

Environmental – Mike Peloquin

- Approval of minutes from prior meeting: N/A
- Next Meeting 5/6/2009.
- Status Action Items: N/A

NEW ISSUES IDENTIFIED

No new items were identified.

NEW ACTION ITEMS

New action items are identified in the attached table.

AGREEMENTS DISCUSSED OR REACHED

No new agreements were reached.

SPECIAL TOPICS

No new special topics were identified.

SITE TOURS/INPECTIONS

No site tours took place.

ATTACHMENT 1
ERDF REGULATORY INTERFACE MEETING
April 29, 2009

Safety Topic

Design/Construction Review Status – Bill Borlaug

- Status Regulatory Final Report

- Status ROD Amendment

- Status Excavation Activities

Operations – Jeff Armatrout

- Status Operations

- Status Direct Haul Procurement (Truck and Pup)

- Status OHC

Engineering – Mike Casbon

- Discuss Equipment Loading Rates in Cells 7 & 8

- Status 7 & 8 Fill Plan

- Status CAES

- Status Basin Lysimeter

- Status Annual ROD Amendment Fact Sheet

Environmental – Mike Peloquin

- Approval of minutes from prior meeting, 4-22-09

- Next Meeting 5-6-09

ATTACHMENT 2
STATUS OF ACTION ITEMS
April 29, 2009

Open (O)/ Closed (X)	Action No.	Actionee	Activity	Action Description	Status
O	ERDF-008	M. Peloquin	ERDF AMP	Revise per EPA/WDOH comments (following test plan conclusion)	Opened: 9/18/07; Closed: TBD.
O	ERDF-027	B. Stubbs	Repairs to Cells 1 & 2	The Leachate and Washwater Management Plan may need to be revised to update the description of the new system	Opened: 10/17/07; Closed: TBD.
O	ERDF-09-001	R. Weiss	Lysimeter Letter	Provide a letter to DOE summarizing the lysimeter results and stating the lysimeters are not impacted by Leachate.	Opened: 3/5/09; Closed: TBD.

WCH Washington Closure Hanford *Meeting Minutes*

144845

SUBJECT**ERDF INTERFACE MEETING MINUTES**

Washington Closure Hanford (WCH) Building, MO-607, Richland,
Washington

TO

Distribution

FROM

Michael G. Peloquin

**DATE**

May 13, 2009

ATTENDEES

P. C. Ciszak, T2-10
M. A. Casbon, T2-03
W. F. Johnson, H4-22
B. E. Stubbs, T2-03
W. A. Borlaug, T2-10
J. F. Armatrout, T2-03
B. C. Covert, T2-03
M. G. Peloquin, T2-03
O. C. Robertson (RL), A3-04
D. R. Einan (EPA), B1-46

DISTRIBUTION

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H. K. Lawrence, T2-05
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R. J. Landon, H4-21
D. T. Bignell, H4-22
A.K. Wright, L4-13
M. S. French (RL), A6-38
J. R. Franco (RL), A3-04
Document Control H4-11

A meeting was held on May 13, 2009, at Washington Closure Hanford (WCH) Building, MO-607, Richland, Washington and these minutes are a summary of the discussions.

ADMINISTRATIVE

- Next ERDF Weekly Interface Meeting – The next meeting will be on Wednesday, May 20, 2009.
- Attendees/Delegations – Representatives from the U.S. Environmental Protection Agency (EPA) and the U.S. Department of Energy, Richland Operations Office (RL) were present to conduct the business of the weekly meeting.
- Approval of Minutes – The minutes for the meetings on May 5, 2009 were approved.
- Agenda – Attachment 1 is the meeting agenda.
- Action Item Status – The status of action items is provided in Attachment 2.

TOPICS DISCUSSED

Safety Topic

Design/Construction Review Status – Bill Borlaug

- **Status Construction**

- Received formal approval from DOE and EPA to begin waste disposal in newly constructed Cells 7 & 8.
- DelHur is in the process of submitting the final construction documentation.
- WCH is preparing a change notice to begin the design of Cells 9 & 10. Cell 10 may need to include additional leachate collection system infrastructure, such as, new collection tanks and separate transmission lines. The existing system is near capacity.

- **Status Excavation Activities**

Sub-contractor is processing approximately 300 loads/day with about 50,000 tons moved to date. The change notice being prepared to excavate super cell 9 will include optional work scope addressing the 400,000 yards of soil for US Ecology.

- **Interim Cover**

- Designed with a 1% drainage slope off the cap
- The edge of the liner will be constructed to prevent any drainage towards the active areas of the ERDF
- The grade and fill plan is being downloaded to the equipment and has been designed to limit removal of soils from grading activities to 2 inches.
- Grading should commence this afternoon and installation of liner is scheduled to begin next week. The liner work is highly dependent on weather and high winds will cause delays.

Operations – Jeff Armatrout

- **Status General Operations:**

- Generator production has been low and everyone has been impacted by the recent weather patterns
- 100N sand filter shipment last Friday was postponed and arrived Monday, the second filter is scheduled for this Friday, followed by the T-1 Tank in June.
- The next phase of the CTA expansions includes the OHC areas. This will support the ready to serve plan.
- The 40 containers of LDR chromium contaminated soil from the 100-D-100 site are staged for treatment. Additional sampling was performed on this material to minimize the amount of soil requiring treatment and the data should be available by the end of next week.

- **Status Conduct of Operations**

There have been several small incidents recently where observations of work being performed have identified missed steps. Individually these incidents would not represent a serious concern, however, collectively they show a pattern which eventually could result in a serious mis-step. Operations is raising the awareness of this with the craft performing the work, initiating additional oversight in this area with management walk throughs directed at observing work performed,

procedure use and compliance. J. Armatrout is on the WCH Conduct of Operations committee and will be part of the campaign being rolled out by WCH to all of its Projects.

Other Hanford Contractors – Bruce Covert

- **OHC Interface**

Meetings are scheduled with key personnel in CHPRC to look at Intermodal use, Schedules, and Planning

- **Ready – To – Serve**

DOE needs to set up a meeting to finalize the costs on the Ready-To-Serve plan. The Ready-To-Serve plan has been in the 60 day review with the DCAA and is nearing the end of the review period. WCH is requesting assistance from our DOE counterparts to help keep the paperwork moving and the ARRA Projects on schedule.

- **ERDF Waste Disposal Requirements (EWDR)**

WCH will issue disposal rates with the document and is requesting forecasts from the generators for the upcoming year. The document will be sent to the OHC's. O. Robertson, DOE requested a copy of the current DRAFT document and D. Einan, EPA requested a copy of the final document which should be available by early summer.

Engineering – Brian Stubbs

- **Status Engineering**

- Planning for the ARRA Projects
- Issued a scope of work earlier this week for a Subject Matter Expert (SME) in the URS Salt Lake, Utah office for some additional support on the PA. The SME will review the past documents and draft schedule.
- Upgrades to the MOV's began and almost all of the MOV's will be locked out.
- Procedures are being updated for the CAES system. Corrected another idiosyncrasy in the software. If the GPS unit identified a dip exceeding a certain depth then the system would not count a pass with the equipment.

- **Status Basin Lysimeter**

- The Lysimeter letter requested by DOE has been issued and the associated action item ERDF-09-001 has been closed.
- The dewatering pump is operational and dewatering lysimeters 5 and 6 will commence on Monday.

- **Discuss Scale Installation Location**

The scale will be located near the back entrance to the ERDF to support the OHC's. A site evaluation form was reviewed by the appropriate parties and the excavation permit and scale location was approved. The area has been transferred to the control of WCH and is just outside the fence line which is also the boundary identified in the original ROD. D. Einan, EPA and O. Robertson, DOE concurred that the scale was needed to support ERDF operations and the location was acceptable. Also, the scale location does not require an amendment to any of the CERCLA documentation.

- **Proposed Plan Comments Process**

DOE will forward the comments to WCH as they arrive. WCH will then develop a DRAFT responsiveness summary to the comments and provide copies to DOE and EPA for review.

A meeting will be held at the end of the public comment period to reach concurrence on the responses which will be distributed and attached to the ROD Amendment. The HAB may issue their advice at their meeting in June.

- **Status Environmental Reports**

- Annual ROD amendment Fact Sheet – The transmittal letter is in process.
- ERDF Air Monitoring Plan – in process, EPA will contact the State Department of Health to determine the status of their review. A meeting with the Hanford site contractors was scheduled on Tuesday to determine notification requirements applicable to the Hanford site. The WDOH also needs to complete the review on the proposed air monitor locations which will need to be moved to support the construction of Cells 9 & 10.
- Lysimeter Plan – This plan will be redistributed to all parties for review.

Environmental – Mike Peloquin

- Approval of minutes from prior meetings: 5-5-09
- Next Meeting 5/20/2009.
- Status Action Items: N/A

NEW ISSUES IDENTIFIED

No new items were identified.

NEW ACTION ITEMS

New action items are identified in the attached table.

AGREEMENTS DISCUSSED OR REACHED

No new agreements were reached.

SPECIAL TOPICS

No new special topics were identified.

SITE TOURS/INPECTIONS

No site tours took place.

ATTACHMENT 1
ERDF REGULATORY INTERFACE MEETING
May 13, 2009

Safety Topic

Design/Construction Review Status – Bill Borlaug

- Status Construction

- Status Excavation Activities

- Interim Cover

Operations – Jeff Armatrout

- Status Operations

- Discuss Conduct of Operations

OHC - Bruce Covert

- Status OHC
 - OHC Interface
 - Ready – To – Serve
 - EWDR

Engineering – Brian Stubbs

- Status Engineering

- Status Basin Lysimeter
Lysimeter letter issued close action item 09-001

- Discuss Scale Installation Location

- Proposed Plan Advice

- Status Environmental Reports
 - Annual ROD Amendment Fact Sheet
 - ERDF Air Monitoring Plan
 - Lysimeter Plan

Environmental – Mike Peloquin

- Approval of minutes from prior meeting, 5-5-09
- Next Meeting 5-20-09

ATTACHMENT 2
STATUS OF ACTION ITEMS
May 13, 2009

Open (O)/ Closed (X)	Action No.	Actionee	Activity	Action Description	Status
O	ERDF-008	M. Peloquin	ERDF AMP	Revise per EPA/WDOH comments (following test plan conclusion)	Opened: 9/18/07; Closed: TBD.
O	ERDF-027	B. Stubbs	Repairs to Cells 1 & 2	The Leachate and Washwater Management Plan may need to be revised to update the description of the new system	Opened: 10/17/07; Closed: TBD.
O	ERDF-09-001	R. Weiss	Lysimeter Letter	Provide a letter to DOE summarizing the lysimeter results and stating the lysimeters are not impacted by Leachate.	Opened: 3/5/09; Closed: 5/13/09.

WCH Washington Closure Hanford *Meeting Minutes*

144925

SUBJECT

ERDF INTERFACE MEETING MINUTES

Washington Closure Hanford (WCH) Building, MO-607, Richland,
Washington

TO Distribution

FROM Michael G. Peloquin



DATE May 20, 2009

ATTENDEES

P. C. Ciszak, T2-10
M. A. Casbon, T2-03
T. A. Nelson, H4-14
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R. A. Caulfield, T2-03
T. F. Kisenwether, T2-10
R. J. Landon, H4-21
A.K. Wright, L4-13
M. S. French (RL), A6-38
J. R. Franco (RL), A3-04
Document Control H4-11

A meeting was held on May 20, 2009, at Washington Closure Hanford (WCH) Building, MO-607, Richland, Washington and these minutes are a summary of the discussions.

ADMINISTRATIVE

- Next ERDF Weekly Interface Meeting – The next meeting will be on Wednesday, May 27, 2009.
- Attendees/Delegations – Representatives from the U.S. Environmental Protection Agency (EPA) and the U.S. Department of Energy, Richland Operations Office (RL) were present to conduct the business of the weekly meeting.
- Approval of Minutes – The minutes for the meetings on May 13, 2009 were approved.
- Agenda – Attachment 1 is the meeting agenda.
- Action Item Status – The status of action items is provided in Attachment 2.

TOPICS DISCUSSED

Safety Topic

Design/Construction Review Status – Bill Borlaug

- **Status Construction**

- Preparing proposal for cell 9 excavation.
- Use of the access road to US Ecology will need to be widened to at least 40 ft. for the pay haulers to run both ways
-

- **Status Excavation Activities**

Sub-contractor is processing approximately 300 loads/day with about 70,000 tons moved to date. The soil is currently being hauled the area where the interim cover over cells 1 & 2 will be constructed. The soil will be used to prepare the sub grade for the Geomembrane.

- **Interim Cover**

- The interim cover liner consists of 30-mil with a 1 ft operations layer over the top. The interim cover is designed to reduce environmental waters from entering the waste until the final cover is designed and constructed at a later date.
- Finished the grading and preparation of a 100 ft strip. Tomorrow, work will begin on the next strip.
- Liner sub-contractors will arrive later today.
- A road will be constructed over the interim cover when completed. Traffic over the interim cover will be required to use the road. The road is primarily for maintenance, hydro seeding but will be available passenger vehicles avoiding heavy equipment traffic patterns.

Operations – Jeff Armatrout

- **Status General Operations:**

- DOE received the REA on the 39 containers of chromium contaminated soil from 100-D-100 site. The REA was needed due to the “Not-to-Exceed” authorization. WCH is putting additional administrative controls in place to ensure work is NOT performed under an NTE unless funding is available and work scope is well defined. In this case the work scope did not clearly state the treatment and disposal activities at ERDF were authorized.
- The direct haul contract (Truck & pup) was awarded this week and should be up and running in July.
- Placing the second sand filter from 100N later today.
- The OHC’s will begin their IXM campaign at the beginning of June. This will include 2 containers per day for a month.

- **Status Stimulus Work scope**

- The RFP for the 6 shuttle trucks will be issued later this week.
- The water truck specification is complete and the RFP should be out in June.
- Finish the CTA light installation

- The back access road will be paved. Engineering has requested copies of calculations used to transport heavy loads over the inter-area transfer line. These calculations will be placed into the project file. An evaluation will be performed establishing bounding criteria for loads crossing the transfer line if possible.
- The next phase of the CTA expansion which will support the “Ready-to Serve” concept has been submitted.
- On June 8, WCH will start the work on the ramp and scales to support the truck and pup operation.
- CHPRC shared their work plan and are projecting approximately 250 k tons next fiscal year. These volumes should keep the ready-to-serve ramp at capacity for the entire year. OHC is currently shipping about 20 – 30 containers/day.

- **Status Conduct of Operations**

J. Armatrout is on the WCH Conduct of Operations committee and will be part of the campaign being rolled out by WCH to all of its Projects. ERDF has already established a schedule for the Safety Trained Supervisors (STS) targeting different work activities. There are about 40 STS on the ERDF site.

Other Hanford Contractors – Bruce Covert

- **OHC Interface**

Recently received two letters from different OHC’s thanking WCH for the support they are receiving.

- **Ready – To – Serve**

WCH needs to meet with the key DOE personnel to ensure all of the critical elements are in place to implement the ready-to-serve plan by the beginning of FY10.

- **ERDF Waste Disposal Requirements (EWDR)**

The Draft EWDR, Attachment 3, was distributed for information.

Engineering – Brian Stubbs

- **Status Engineering**

- The Subject Matter Expert (SME) from the URS office in Salt Lake, Utah for some additional support on the performance assessment (PA). He will be available next week and will meet with EPA and DOE after this meeting. The SME has experience at all of the major DOE complex sites and will review the past documents and draft schedule. He will then make some recommendations on areas which may need additional detail based on his experiences and will also help develop some of the responses to the expected public comments on this topic.
- The CAES communication system is being tested in cells 7 & 8 to ensure operability when needed. June will likely be the first month with the automated daily documentation of the waste placement.
- The “pancakes” will come out of the leachate system for cells 7 & 8 next week. Once these are removed the leachate system will be tied into the ERDF leachate system and all liquids generated from within the cell will be treated as leachate.

- **Status Basin Lysimeter**

The dewatering pump did not work as expected and the manufacturer was contacted. WCH is requesting a replacement pump to be sent overnight.

- **Proposed Plan Comments Process**

To date DOE has received 2 comments and a question from a single individual requesting clarification of the ERDF design and whether or not there are physical walls between the cells.

DRAFT Response: There are no physical separations or walls between the existing cells, however, what may not be visible from the aerial photograph is the slope of the cell floor. Each cell slopes to a sump which collects the leachate for that cell. The supercell design is the same in that regard and extends the facility using similar methods as past expansions.

A public meeting was not requested.

Status Environmental Reports

- Annual ROD amendment Fact Sheet – The transmittal letter is in process. The Fact Sheet will be distributed in June to prevent any confusion with the public comment period on the ROD Amendment.
- ERDF Air Monitoring Plan – in process, EPA will contact the State Department of Health to determine the status of their review. The WDOH also needs to complete the review on the proposed air monitor locations which will need to be moved to support the construction of Cells 9 & 10.

Environmental – Mike Peloquin

- Approval of minutes from prior meetings: 5-13-09
- Next Meeting 5/27/2009.
- Status Action Items: N/A

NEW ISSUES IDENTIFIED

No new items were identified.

NEW ACTION ITEMS

New action items are identified in the attached table.

AGREEMENTS DISCUSSED OR REACHED

No new agreements were reached.

SPECIAL TOPICS

No new special topics were identified.

SITE TOURS/INPECTIONS

No site tours took place.

ATTACHMENT 1
ERDF REGULATORY INTERFACE MEETING
May 20, 2009

Safety Topic

Design/Construction Review Status – Bill Borlaug

- Status Construction

- Status Excavation Activities

- Interim Cover

Operations – Jeff Armatrout

- Status Operations

- Discuss Stimulus Work scope

- Discuss Conduct of Operations

OHC - Bruce Covert

- Status OHC
 - OHC Interface
 - Ready – To – Serve
 - EWDR

Engineering – Brian Stubbs

- Status Engineering

- Status Lysimeter

- Status Environmental Reports
 - Annual ROD Amendment Fact Sheet Distribution

 - ERDF Air Monitoring Plan

Environmental – Mike Peloquin

- Approval of minutes from prior meeting, 5-13-09
- Next Meeting 5-27-09

ATTACHMENT 2
STATUS OF ACTION ITEMS
May 20, 2009

Open (O)/ Closed (X)	Action No.	Actionee	Activity	Action Description	Status
O	ERDF-008	M. Peloquin	ERDF AMP	Revise per EPA/WDOH comments (following test plan conclusion)	Opened: 9/18/07; Closed: TBD.
O	ERDF-027	B. Stubbs	Repairs to Cells 1 & 2	The Leachate and Washwater Management Plan may need to be revised to update the description of the new system	Opened: 10/17/07; Closed: TBD.

WCH Washington Closure Hanford **Meeting Minutes**

145112

SUBJECT

ERDF INTERFACE MEETING MINUTES

Washington Closure Hanford (WCH) Building, MO-607, Richland,
Washington

TO

Distribution

FROM

Michael G. Peloquin



DATE

May 27, 2009

ATTENDEES

P. C. Ciszak, T2-10
M. A. Casbon, T2-03
T. A. Nelson, H4-14
W. F. Johnson, H4-22
F. L. Farmer, T2-03
B. E. Stubbs, T2-03
W. A. Borlaug, T2-10
J. F. Armatrout, T2-03
M. G. Peloquin, T2-03
O. C. Robertson (RL), A3-04
D. R. Einan (EPA), B1-46

DISTRIBUTION

J. W. Donnelly, H4-22
H. K. Lawrence, T2-05
C. T. Wolfley, T2-05
R. A. Caulfield, T2-03
T. F. Kisenwether, T2-10
R. J. Landon, H4-21
D. T. Bignell, H4-22
B. C. Covert, T2-03
A.K. Wright, L4-13
M. S. French (RL), A6-38
J. R. Franco (RL), A3-04
Document Control H4-11

A meeting was held on May 27, 2009, at Washington Closure Hanford (WCH) Building, MO-607, Richland, Washington and these minutes are a summary of the discussions.

ADMINISTRATIVE

- Next ERDF Weekly Interface Meeting – The next meeting will be on Wednesday, June 3, 2009.
- Attendees/Delegations – Representatives from the U.S. Environmental Protection Agency (EPA) and the U.S. Department of Energy, Richland Operations Office (RL) were present to conduct the business of the weekly meeting.
- Approval of Minutes – The minutes for the meetings on May 20, 2009 were approved.
- Agenda – Attachment 1 is the meeting agenda.
- Action Item Status – The status of action items is provided in Attachment 2.

TOPICS DISCUSSED

Safety Topic

Design/Construction Review Status – Bill Borlaug

- **Status Construction**
 - Preparing proposal for cell 9 excavation should be delivered to DOE I to weeks.
 - Move fencing out to the groundwater well locations
 - Continued discussions with US Ecology to determine the volume of soil needed

- **Status Excavation Activities**

A graphic was provided showing the soils moved to date. Attachment 3

- **Interim Cover**

The liner damage which occurred during preparation of the interface with the new liner will be completed today. The new liner will overlap the existing liner by about 3 feet. The completed interim liner should cover the vertical footprint of cells 1 & 2. The work on this cover should be completed by the end of June.

Operations – Jeff Armatrout

- **Status General Operations:**
 - The vehicles use in the truck and pup subcontract will have their tare weights logged. The vehicle and its trailer will fit on the scale and a single tare weight be recorded for each. If trailers are switched then a new tare weight will be generated.
 - The ERDF Engineer will begin approving the location of large items received at ERDF. This will ensure large and/or irregular items meet the placement requirements.
 - Plan to remove the “pancakes” blind flanges in cells 7 & 8 by the end of the week allowing waste placement in the new cells.

- **Status Stimulus Work scope**
 - Answered questions regarding the truck and pup subcontract to the potential bidders.
 - All of the new shuttle trucks will be rated for 25 tons.

- **Status Conduct of Operations**

WCH will have their all hands meeting tomorrow. Subcontractors will also attend.

Engineering – Brian Stubbs

- **Status Engineering**
 - Many of the Motor Operated Valves (MOV) are being removed or left in a manually operated configuration. This is being done to align the old system with the upgrades installed over the past year.
 - The CAES communication system downloads a huge amount of data when the equipment is not used. The operators now place the equipment out of service in the software at the end of each day and the issue has been resolved.

- **Status Basin Lysimeter**

The dewatering pump is working and Lysimeter 5 is being dewatered!

Environmental – Mike Peloquin

- Approval of minutes from prior meetings: 5-20-09
- Next Meeting 6/3/2009.
- Status Action Items: N/A

NEW ISSUES IDENTIFIED

No new items were identified.

NEW ACTION ITEMS

New action items are identified in the attached table.

AGREEMENTS DISCUSSED OR REACHED

No new agreements were reached.

SPECIAL TOPICS

No new special topics were identified.

SITE TOURS/INPECTIONS

No site tours took place.

ATTACHMENT 1
ERDF REGULATORY INTERFACE MEETING
May 27, 2009

Safety Topic

Design/Construction Review Status – Bill Borlaug

- Status Construction

- Status Excavation Activities

- Interim Cover

Operations – Jeff Armatrout

- Status Operations

- Discuss Stimulus Workscope

- Discuss Conduct of Operations

- ERDF Waste Disposal Requirements

Engineering – Mike Casbon

- Status Engineering

- Status Lysimeter

Environmental – Mike Peloquin

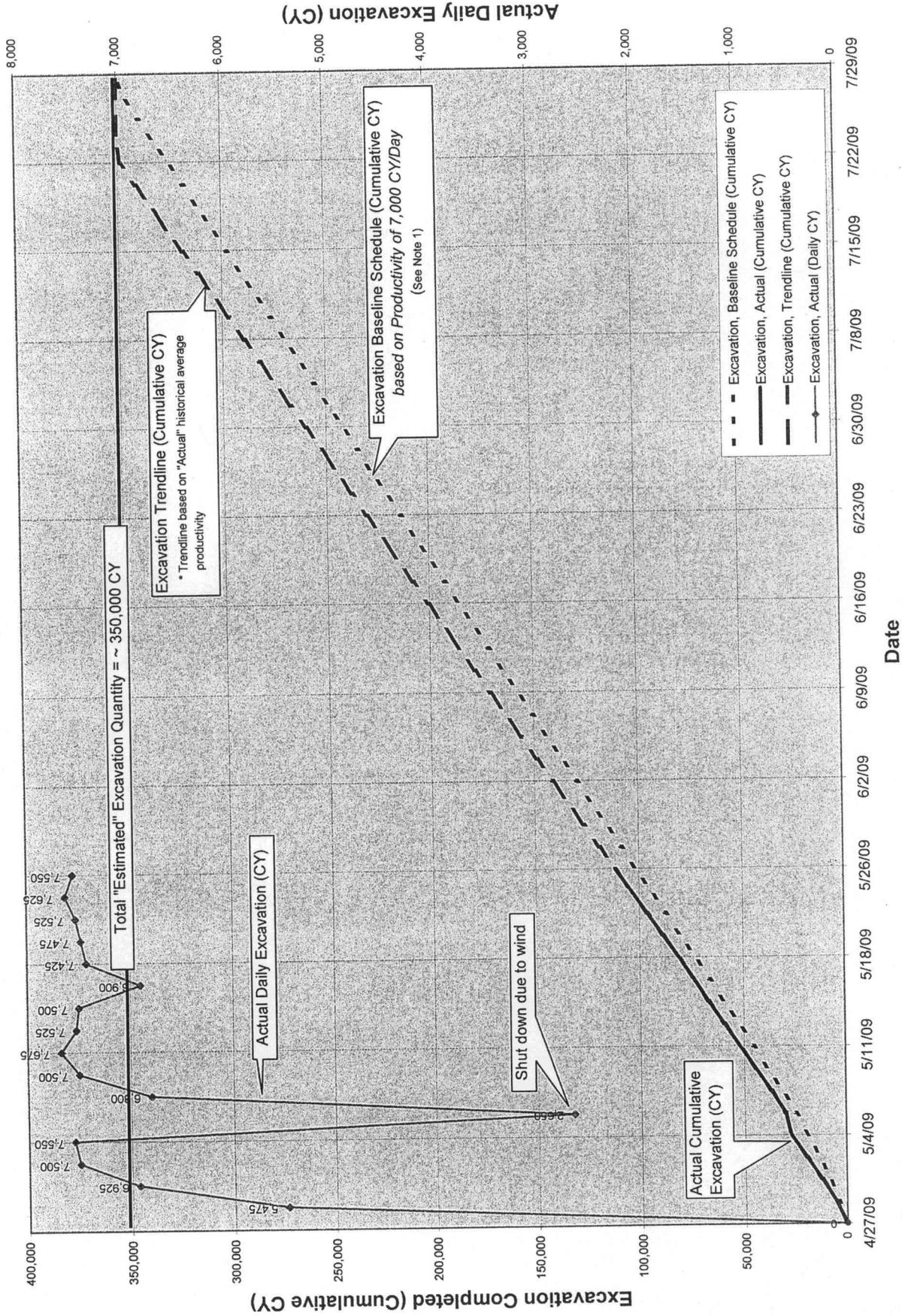
- Approval of minutes from prior meeting, 5-20-09
- Next Meeting 6-3-09

ATTACHMENT 2
STATUS OF ACTION ITEMS
May 27, 2009

Open (O)/ Closed (X)	Action No.	Actionee	Activity	Action Description	Status
O	ERDF-008	M. Peloquin	ERDF AMP	Revise per EPA/WDOH comments (following test plan conclusion)	Opened: 9/18/07; Closed: TBD.
O	ERDF-027	B. Stubbs	Repairs to Cells 1 & 2	The Leachate and Washwater Management Plan may need to be revised to update the description of the new system	Opened: 10/17/07; Closed: TBD.

ATTACHMENT 3
ERDF Stockpile Productivity Curve
May 27, 2009

ERDF Stockpile Excavation Productivity Curve



Notes:
 1. "Excavation Baseline Schedule" based on productivity of 7,000 cy/day from SUBCONTRACTOR'S proposal.

WCH Washington
Closure
Hanford
Meeting Minutes

145212

SUBJECT

ERDF INTERFACE MEETING MINUTES

Washington Closure Hanford (WCH) Building, MO-607, Richland,
Washington

TO Distribution

FROM Michael G. Peloquin

DATE April 15, 2009



ATTENDEES

R. L. Cathel, X5-50
R. J. Landon, H4-21
P. C. Ciszak, T2-10
W. F. Johnson, H4-22
M. A. Casbon, T2-03
F. L. Farmer, T2-03
W. A. Borlaug, T2-10
B. E. Stubbs, T2-03
M. G. Peloquin, T2-03
O. C. Robertson (RL), A3-04
D. R. Einan (EPA), B1-46

DISTRIBUTION

T. A. Nelson, H4-14
J. W. Donnelly, H4-22
C. T. Wolfley, T2-05
R. A. Caulfield, T2-03
J. F. Armatrout, T2-03
B. C. Covert, T2-03
T. F. Kisenwether, T2-10
D. T. Bignell, H4-22
A.K. Wright, L4-13
M. S. French (RL), A6-38
J. R. Franco (RL), A3-04
Document Control H4-11

A meeting was held on April 15, 2009, at Washington Closure Hanford (WCH) Building, MO-607, Richland, Washington and these minutes are a summary of the discussions.

ADMINISTRATIVE

- Next ERDF Weekly Interface Meeting – The next meeting will be on Wednesday, April 22, 2009.
- Attendees/Delegations – Representatives from the U.S. Environmental Protection Agency (EPA) and the U.S. Department of Energy, Richland Operations Office (RL) were present to conduct the business of the weekly meeting.
- Approval of Minutes – The minutes for the meeting on April 8, 2009 were approved.
- Agenda – Attachment 1 is the meeting agenda.
- Action Item Status – The status of action items is provided in Attachment 2.

TOPICS DISCUSSED

Safety Topic

Design/Construction Review Status – Bill Borlaug

- **Status of Construction**

- Finalizing Project Completion submittals
- One item left on the punch list
- Lessons Learned have been identified throughout the construction of Cells 7 & 8 and will be reviewed prior to RFP and when developing documents for construction of Cells 9 & 10. These include items like labeling outlets and valves, highlighting the edges of the concrete pads with yellow paint, and installing a valve in place of the pancake used to separate the new leachate system from the existing system.

- **Excavating Cell 9**

- **Letter for US Ecology Soil**

A letter drafted by O. Robertson, DOE and should be processed and issued soon. WCH will include optional clauses in the subcontractor's work scope for moving 800 thousand yards of material to US Ecology once direction has been provided.

- **Letter Authorizing Expansion**

WCH confirmed that excavation of the cell 9 footprint could begin and did not require a letter or other authorization from DOE directing WCH to proceed. The ROD amendment must be approved prior to the cell 9 design approval and excavation of the final grade. O. Robertson, DOE and D. Einan, EPA agreed with this assessment.

- **CQA Cell 9 Base Soil**

The excavation of the cell 9 will occur prior to issuing the contract for the liner construction as discussed above, however, the subcontractor will be required to separate and stage the "eolian" soil used as an ingredient in the admix. WCH is planning to issue a change notice to the current CQA subcontractor to perform the required analysis of this soil ensuring it meets the criteria needed for the soil portion of the liner. If there are any issues with the data when the construction contract is awarded then the selected CQA subcontractor could perform additional testing. The material specification and testing criteria will not change between now and the award of the contract so there is a low risk of the data not meeting the necessary criteria. O. Robertson, DOE and D. Einan, EPA agreed with this proposed path forward.

- **Status Regulatory Final Report**

The corrections to the construction report modules will be given a final double check today and the Final Report for the Construction of Cells 7 & 8 will be sent to DOE next week. DOE requested a minimum of 4 copies and an electronic .pdf copy as well. The Final Report contains all of the construction modules which were reviewed after each phase of the construction was completed.

- **Status ROD Amendment**

- Status EPA Legal Review

EPA has received the comments from their legal representative. The comments will require a major change to the format and structure of the document but most of the content is acceptable. The only action being proposed is the expansion of the ERDF the alternative design and fact sheet are considered significant changes but do not need to be addressed by the same criteria as an action. Therefore the design changes and fact sheet notification will be addressed in a separate section of the proposed plan.

- Status White Paper on Alternate Design

Due to changes in the Proposed Plan some additional information will need to be added.

- Public Notice, Fact Sheet: The Fact Sheet will need some additional revision to be consistent with the changes to the proposed plan. The public comment period will need to be moved out to May 5 – June 4 in order to allow time for the documents to be revised.

Operations – Frank Farmer

- **Status General Operations:**

- ERDF is running 2-3 dump ramps on a routine basis
- Expecting B25 waste boxes containing waste from 327
- Expecting 45 – 50 containers of LDR Chromium contaminated soil from 100D next week. The RO/RO's will be stored in the CTA until lab data gets back in 2 – 4 weeks and then treated.
- Scales will be moved from the 70 level next week in preparation for the interim cover construction.

- **Status OHC**

- The Lessons learned was conducted Ion Exchange Column work evolution. The contamination found on the truck bed after the shipment was below reportable limits. The generator is going to implement several packaging upgrades prior to the next shipment to help ensure the incident is not repeated. For instance, the 250K pound package will have multiple layers of plastic (griffon) wrapping and will be shipped on a 1 inch thick rubber pad.
- CHPRC is working on the intermodal liner issue and are scheduling another dry run for next week.

Engineering – Brian Stubbs

- **Status 183F Waste Under The ROD Amendment**

This waste site is the area surrounding the bat colony and contains 5 – 10 RO/RO's of surface debris. The waste was determined to meet the waste descriptions in Table 1 of the ERDF ROD Amendment under the category of general process waste. O. Robertson, DOE and D. Einan, EPA agreed with this determination. Wastes listed in Table 1 do not require a formal approval whereas a waste determined to be similar to Table 1 requires an approval letter from EPA.

- **Status Excess Chemicals**

The excess chemicals were shipped to TARC through the Hanford excess program for reuse.

- **Status Upcoming Regulatory Document Reviews**

WCH has been compiling a list of documents which will require review over the next couple of years to support the recovery act spending. Everyone is being asked to help put this list together.

- **Discussion Tc-99 Limits**

The White Paper evaluating the Tc-99 inventory is approved for use. The updated Tc-99 inventory limit will be used as the operating limit by operations. WCH will continue to monitor the cumulative monthly inventory to ensure compliance. O. Robertson, DOE and D. Einan, EPA concurred with this action.

WCH will submit a REA to perform the performance assessment soon.

- **Status Staging Pile Closeout**

The staging pile will be closed by sending a letter to DOE/EPA notifying them that the staging pile has been closed. The letter will be used to document the use of the staging area has ended within the approved timeframe and will not receive a response. DOE and EPA concurred that WCH could proceed with construction of the interim cover over this area prior to sending the close-out letter.

- **Status Basin Lysimeters**

The camera was used to determine the presence of liquids in cell 7 & 8 lysimeters. The lysimeters will be sampled next week to establish the baseline data.

As soon as the pump is operational lysimeters 5 & 6 will be dewatered followed by 7 & 8 after the sample data is returned.

Environmental – Mike Peloquin

- Approval of minutes from prior meeting: 4-15-09
- Next Meeting 4/22/2009.
- Status Action Items: N/A

NEW ISSUES IDENTIFIED

No new items were identified.

NEW ACTION ITEMS

New action items are identified in the attached table.

AGREEMENTS DISCUSSED OR REACHED

No new agreements were reached.

SPECIAL TOPICS

No new special topics were identified.

SITE TOURS/INPECTIONS

No site tours took place.

ATTACHMENT 1
ERDF REGULATORY INTERFACE MEETING
April 15, 2009

Safety Topic

Guest – Bob Cathel D4 EPL

Design/Construction Review Status – Bill Borlaug

- Status of Construction

- CQA Cell 9 Base Soil

- Excavating Cell 9
 - Letter for Expansion
 - Letter for US Ecology Soil

- Status Regulatory Final Report

- Status ROD Amendment
 - Status White Paper on Alternate Design
 - Status Fact Sheet and Proposed Plan
 - Status EPA Legal Review

Operations – Frank Farmer

- Status Operations

- Status OHC

Engineering – Brian Stubbs

- Status 183F Waste Under the ROD Amendment

- Discussion Tc-99 Limits

- Status Excess Chemical Shipments

- Status Upcoming Regulatory Document Reviews

- Status Staging Pile Closeout

- Status Basin Lysimeter Letter

Environmental – Mike Peloquin

- Approval of minutes from prior meeting, 4-8-09
- Next Meeting 4-22-09

ATTACHMENT 2
STATUS OF ACTION ITEMS
April 15, 2009

Open (O)/ Closed (X)	Action No.	Actionee	Activity	Action Description	Status
O	ERDF-008	M. Peloquin	ERDF AMP	Revise per EPA/WDOH comments (following test plan conclusion)	Opened: 9/18/07; Closed: TBD.
O	ERDF-027	B. Stubbs	Repairs to Cells 1 & 2	The Leachate and Washwater Management Plan may need to be revised to update the description of the new system	Opened: 10/17/07; Closed: TBD.
O	ERDF-09-001	R. Weiss	Lysimeter Letter	Provide a letter to DOE summarizing the lysimeter results and stating the lysimeters are not impacted by Leachate.	Opened: 3/5/09; Closed: TBD.

WCH Washington Closure Hanford **Meeting Minutes**

151001

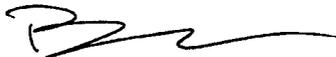
SUBJECT**ERDF INTERFACE MEETING MINUTES**

Washington Closure Hanford (WCH) Building, MO-607,
Richland, Washington

TO

Distribution

FROM

Barry L. Lawrence 

DATE

May 12, 2010

ATTENDEES

J. F. Armatrout, T2-03
W. A. Borlaug, T2-10
W. F. Melvin, T2-10
M. A. Casbon, T2-03
M. D. Clark, N3-20
D. R. Einan (EPA), B1-46
W. F. Johnson, H4-22
R. J. Landon, H4-21
B. L. Lawrence, T2-03
M. E. Lewis, M3-20
M. G. Peloquin, T2-03
O. C. Robertson (RL), A3-04
I. L. Siddoway, N3-20
M. A. Webb, T2-03
T. E. Wintle, T2-10

DISTRIBUTION

J. S. Allen (RL), L4-13
K. A. Benguiat (RL), A3-04
D. T. Bignell, H4-22
R. A. Caulfield, T2-03
B. C. Covert, T2-03
J. W. Donnelly, H4-22
F. L. Farmer, T2-03
J. R. Franco (RL), A3-04
M. S. French (RL), A6-38
N. Graves (RL), A7-27
D. R. Hilderbrand (RL), A6-38
T. A. Nelson, H4-14
Document Control, H4-11

A meeting was held on May 12, 2010, at Washington Closure Hanford (WCH) Building, MO-607, Richland, Washington and these minutes are a summary of the discussions.

ADMINISTRATIVE

- Next ERDF Weekly Interface Meeting – The next meeting will be on Wednesday, May 19, 2010
- Attendees/Delegations – Representatives from the U.S. Environmental Protection Agency (EPA) and the U.S. Department of Energy, Richland Operations Office (RL) were present to conduct the business of the weekly meeting
- Approval of Minutes – Minutes from the meeting held on May 5, 2010 were approved
- Action Item Status – There are currently no open action items
- Agenda – Attachment 1 is the meeting agenda

TOPICS DISCUSSED

Safety Topic Introductions

ARRA Design/Construction Review Status – Bill Melvin

- **Status Cells 9 & 10**
 - Cell 10 bulk excavations is complete, (~ 1.5 million yards)
 - Crest Pad 9 Building is being constructed
 - AdMix production is being placed on the south wall of cell 9 and is scheduled to be completed by September
 - Geotextile material will be delivered on May 25
 - ERDF Super Cell 10 Excavation Productivity Curve (see attached)

- **Status ARRA Activities**
 - Maintenance Building, 30% Design is due in next week
 - Batch Plant requisition is in progress
 - Septic System, 100% Design is due May 26
 - 50-ton forklift is being delivered today
 - Road upgrades have been subcontracted with MSA
 - Transportation Yard construction kick-off meeting was held yesterday

Operations – Jeff Armatrout

- **Status General Operations**
 - ERDF disposed of 602 containers on Monday, 5/10
 - ERDF will not be working this Friday
 - ERDF is concerned with fugitive dust control and is reviewing possible solutions
 - ERDF is interested in back hauling material from the east end of the existing stockpile

- **Status OHC**
 - ERDF has resumed hauling containers off the Arid Land Ecology (ALE) site
 - CHPRC delivered 215 containers on Monday and has started operating a 2nd shift

- **Waste Forecast**
 - ERDF anticipates that shipments of waste will remain stable throughout the summer

Engineering – Bill Borlaug

- **Leachate System Alarms**
 - Last week, the SCADA system was reporting abnormal information on the Leachate System in cell 2. While troubleshooting the system, mice were found in a control panel that was reporting the information to the SCADA system. The actual readings of the system on the main control panel indicated that the system was normal. EPA raised the question of why no notifications were sent to the appropriate personnel as the system is programmed to operate. ERDF will investigate this situation further.
 - During the investigation of the SCADA system it was determined that the SCADA system assigns “Severity” codes to specific alarms. The “Severity” code assigned to last weeks alarm was 2, which does not require any Stoller or WCH personnel to be called. There appeared to be a communication failure between the SCADA system and

the main control panel at the crest pad. If the leachate sump system was actually in an out of normal state, the leachate sump system would not have justified an actual emergency. EPA would like the following; 1) Arrange a meeting to review the alarm rating system and update the procedures to reflect the appropriate response actions to alarm notification, 2) Determine why the SCADA system was reporting an alarm and out of normal readings and why the crest pad control panel was reporting normal readings, and 3) Review the procedure to ensure all alarms and responses are listed.

- **Status AB**
 - AB is in review with DOE
- **Status PA/REA**
 - ERDF has drafted a Project Execution Plan (PEP) for WCH, URS, and CHPRC
 - ERDF has drafted a schedule for the PA completion
- **Uranium and C-14 White Paper**
 - CHPRC has started developing a White Paper on Uranium and Carbon-14 Limits and Treatment for ERDF
 - The 300 Area will re-evaluate the uranium concentration used for previous shipments of waste to ERDF and revise the concentration for those shipments based on analysis of additional samples
- **327 Hot Cells Pad**
 - Hot cell disposal pad subgrade has been constructed and requires compaction and testing
- **US Ecology**
 - US Ecology will need 400,000 yards of material later this year
 - ERDF has drafted a "Access Agreement" with US Ecology

Environmental – Barry Lawrence

- Draft copies of the Groundwater and Leachate Monitoring and Sampling at ERDF (CY 2009) report and ERDF Cells 5, 6, 7, and 8, Gravity Collection Lysimeter Monitoring Report for CY2009 are in review with EPA

NEW ISSUES IDENTIFIED

No new issues were identified.

NEW ACTION ITEMS

No new items were identified.

AGREEMENTS DISCUSSED OR REACHED

No new agreements were reached.

ATTACHMENT 1
ERDF REGULATORY INTERFACE MEETING
May 12, 2010

Safety Topic
Introductions

Design/Construction Review Status – Bill Melvin

- Status Cell 9 & 10 Construction
- Status ARRA Activities

Operations – Jeff Armatrout

- Status Operations
- Status OHC
- Waste Forecasts

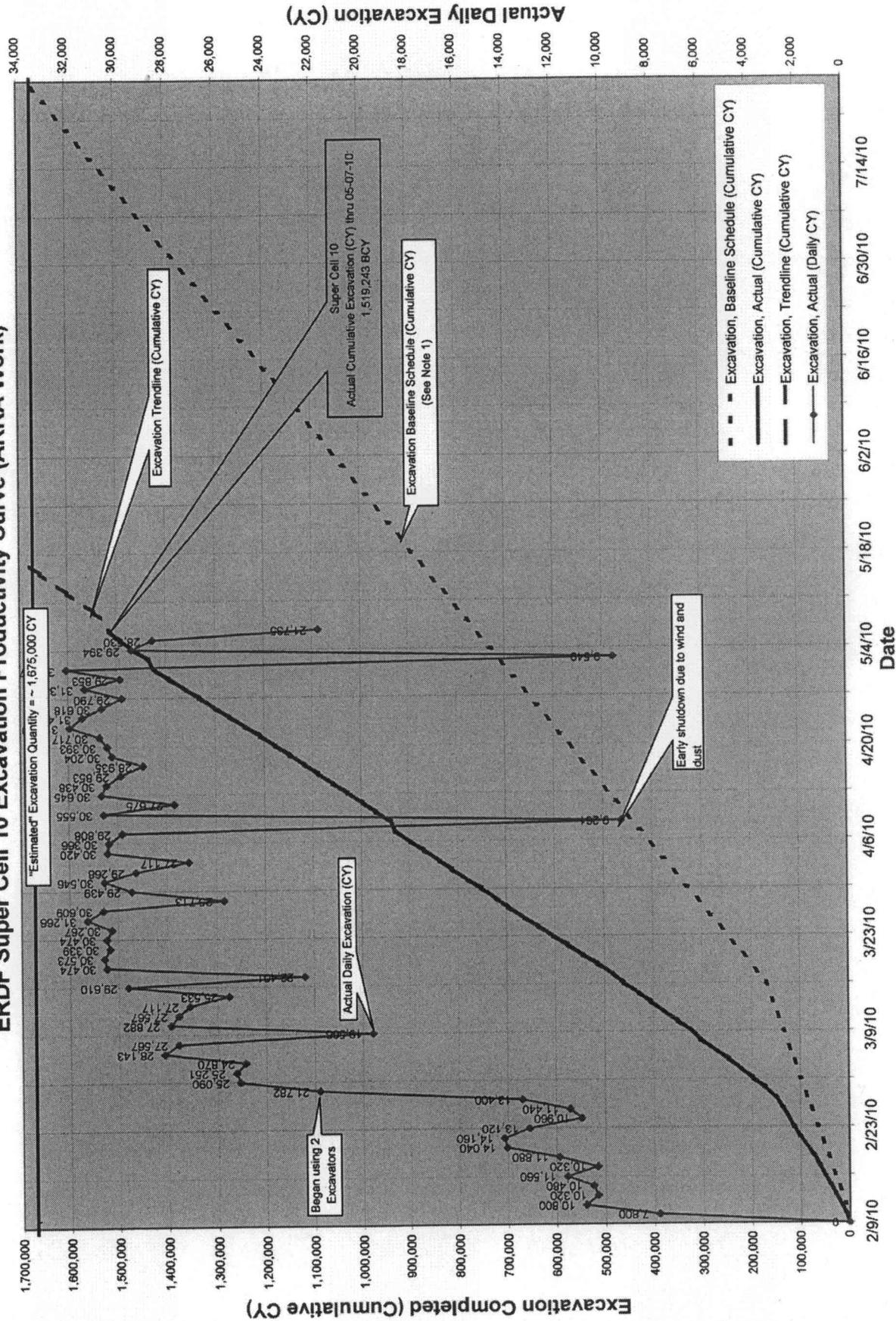
Engineering – Bill Borlaug

- Leachate System Alarms
- Status AB
- Status PA/REA
- Uranium and C-14 White Paper
- 327 Hot Cells Pad
- US Ecology

Environmental – Barry Lawrence

- Approval of meeting minutes, 5-5-2010
- Next Meeting, 5-19-2010
- Comments, CY2009 Groundwater and Leachate Report & CY2009 Lysimeter Report

ERDF Super Cell 10 Excavation Productivity Curve (ARRA Work)



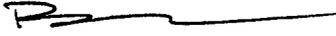
- Notes:**
- "Excavation Baseline Schedule" during 2/10/08 thru 3/16/10 is based on productivity of 7,000 bcy/day (one excavator for Eolian excavation and berm construction)
 - "Excavation Baseline Schedule" after 3/16/10 is based on productivity of 16,021 bcy/day (two excavators) from SUBCONTRACTOR'S schedule.
 - 3/12/2010 - began using two excavators (Cat 5110 and Hitachi 1800).
 - Productivity quantities are estimates based on load counts. Final quantity will be based on Pre- and Post excavation topographic surveys.

WCH Washington Closure Hanford **Meeting Minutes**

150913

SUBJECT**ERDF INTERFACE MEETING MINUTES**

Washington Closure Hanford (WCH) Building, MO-607,
Richland, Washington

TO Distribution**FROM** Barry L. Lawrence **DATE** May 5, 2010**ATTENDEES**

W. F. Melvin, T2-10
J. F. Armatrout, T2-03
M. E. Lewis, M3-20
W. A. Borlaug, T2-10
M. D. Clark, N3-20
T. E. Wintle, T2-10
R. C. Robinson, T2-03
B. L. Lawrence, T2-03
M. A. Casbon, T2-03
O. C. Robertson (RL), A3-04
D. R. Einan (EPA), B1-46
M. A. Webb, T2-03

DISTRIBUTION

I. L. Siddoway, N3-20
J. W. Donnelly, H4-22
M. G. Peloquin, T2-03
F. L. Farmer, T2-03
T. A. Nelson, H4-14
K. A. Benguiat (RL), A3-04
R. J. Landon, H4-21
R. A. Caulfield, T2-03
D. R. Hilderbrand (RL), A6-38
D. T. Bignell, H4-22
W. F. Johnson, H4-22
J. S. Allen (RL), L4-13
B. C. Covert, T2-03
M. S. French (RL), A6-38
J. R. Franco (RL), A3-04
N. Graves (RL), A7-27
R. Paul (EPA), B1-46
Document Control H4-11

A meeting was held on May 5, 2010, at Washington Closure Hanford (WCH) Building, MO-607, Richland, Washington and these minutes are a summary of the discussions.

ADMINISTRATIVE

- Next ERDF Weekly Interface Meeting – The next meeting will be on Wednesday, May 12, 2010
- Attendees/Delegations – Representatives from the U.S. Environmental Protection Agency (EPA) and the U.S. Department of Energy, Richland Operations Office (RL) were present to conduct the business of the weekly meeting
- Approval of Minutes – Minutes from the meeting held on 4-21-2010 and 4-28-2010 were approved

- Action Item Status – There are currently no open action items
- Agenda – Attachment 1 is the meeting agenda

TOPICS DISCUSSED

Safety Topic Introductions

ARRA Design/Construction Review Status – Bill Melvin

- **Status Cells 9 & 10**
 - Excavations is on the last lift of cell 10 and near completion
 - Crest Pad 9 Building is being constructed
 - AdMix production will continue at ~ 200 tons per hour
 - AdMix placement in cell 9 will start on Friday, May 7, 2010
 - AdMix test pad bore holes will be repaired and the material will be incorporated into the AdMix layers
 - Discussion was held concerning the benefit of replacing the two current leachate storage tanks, which are over 15 years old, with a new tank. The two current tanks are scheduled to be repaired with new liners and the construction of domes structure over these tanks. DOE and EPA agree that a new tank would be the best option at this point. WCH Construction will pursue funding for the proposed tank upgrade.
 - ERDF Super Cell 10 Excavation Productivity Curve (see attached)
- **Status ARRA Activities**
 - 30% Maintenance Building Design is due in next week
 - 100% Septic System Design is due 5/26/2010
 - Pay hauler and man lift procurement is due out this week
 - Batch Plant procurement is due out this week
 - 50-ton forklift is due in this week

Operations – Jeff Armatrout

- **Status General Operations**
 - ERDF disposal was shut-down on Monday due to 25-30 mph winds
 - Yesterday, the SCADA system was reporting abnormal information on the Leachate System in cell 2. While troubleshooting the system, mice were found in a control panel that was reporting the information to the SCADA system. The actual readings of the system on the main control panel indicated that the system was normal. EPA raised the question of why no notifications were sent to the appropriate personnel as the system is programmed to operate. ERDF will investigate this situation further.
- **Status OHC**
 - No Change
- **Waste Forecast**
 - No Change

Engineering – Bill Borlaug

- **Status Engineering**
 - D4 provided a design for the construction of the disposal platform for the 327 Hot Cells
 - The Gantry Crane for off loading the 327 Hot Cells will begin installation around the middle of May
 - ERDF drafted an “Access Agreement” with U.S. Ecology on the removal of cover material from the east end of the stockpiles

- **Status AB**
 - AB is in review with DOE

- **Status PA/REA**
 - ERDF received a Not To Exceed (NTE) in the amount of \$1,000,000 from DOE
 - ERDF drafted a Division of Responsibility (DOR) with the companies (CHPRC, WCH and URS) preparing the PA. ERDF anticipates and encourages stakeholders to be involved throughout the development of the PA.
 - ERDF will develop a detailed schedule for the PA

- **Uranium WAC Limits**
 - ERDF has drafted a work order and schedule with CHPRC (Marc Wood) for the development of the White Paper on Uranium and Carbon-14 Limits and Treatment for ERDF. ERDF has been working with the 300 Area to ensure that the soils are characterized and managed prior to shipment to ERDF for disposal.
 - The 300 Area will re-evaluate their waste shipments inventory for March. The updated U-238 data will be submitted to ERDF by May 17, 2010.

Environmental – Barry Lawrence

- DOE provided comments on the draft copy of the ERDF Cells 5, 6, 7, and 8, Gravity Collection Lysimeter Monitoring Report for CY2009. The report is still in review with EPA.
- The draft copy of the Groundwater and Leachate Monitoring and Sampling at ERDF (CY 2009) report is still in review with DOE and EPA

NEW ISSUES IDENTIFIED

No new issues were identified.

NEW ACTION ITEMS

No new items were identified.

AGREEMENTS DISCUSSED OR REACHED

No new agreements were reached.

ATTACHMENT 1
ERDF REGULATORY INTERFACE MEETING
May 5, 2010

Safety Topic
Introductions

Design/Construction Review Status – Bill Melvin

- Status Cell 9 & 10 Construction

- Status ARRA Activities

Operations – Jeff Armatrout

- Status Operations

- Status OHC

- Waste Forecasts

Engineering – Bill Borlaug

- Status Engineering

- Status AB

- Status PA/REA

- U.S. Ecology

- 327 Hot Cells Pad

- Uranium and C-14 Inventory White Paper

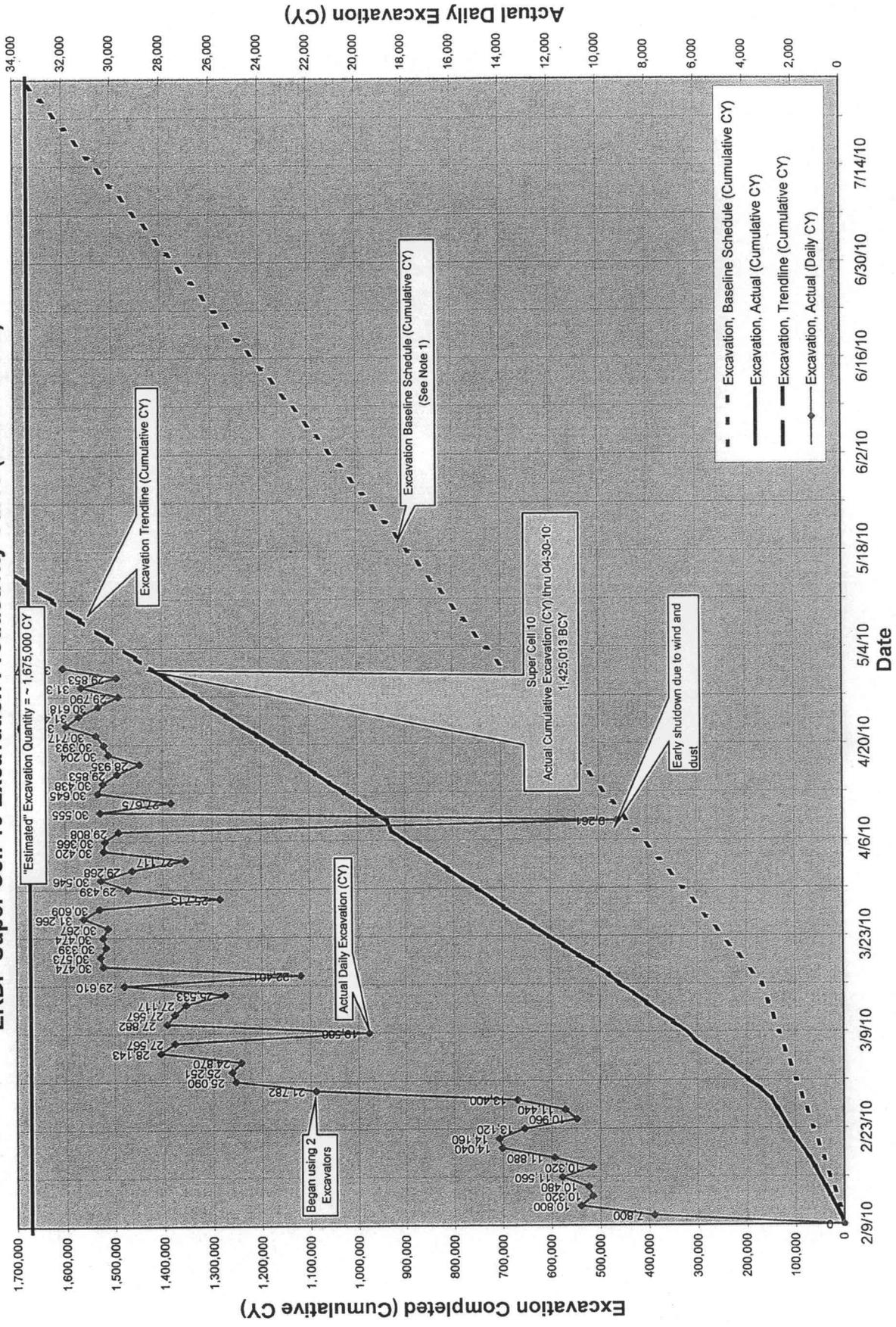
Environmental – Barry Lawrence

- Approval of meeting minutes, 4-21-2010 and 4-28-2010

- Next Meeting, 5-12-2010

- Comments, CY2009 Groundwater and Leachate Report & CY2009 Lysimeter Report

ERDF Super Cell 10 Excavation Productivity Curve (ARRA Work)



Notes:
 1. "Excavation Baseline Schedule" during 2/10/09 thru 3/16/10 is based on productivity of 7,000 bcy/day (one excavator for Eolian excavation and berm construction)
 "Excavation Baseline Schedule" after 3/16/10 is based on productivity of 16,021 bcy/day (two excavators) from SUBCONTRACTOR'S schedule.
 2. 3/12/2010 - began using two excavators (Cat 5110 and Hitachi 1800).
 3. Productivity quantities are estimates based on load counts. Final quantity will be based on Pre- and Post excavation topographic surveys.

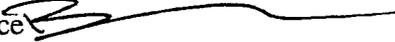
WCH Washington Closure Hanford **Meeting Minutes**

150850

SUBJECT

ERDF INTERFACE MEETING MINUTES
Washington Closure Hanford (WCH) Building, MO-607,
Richland, Washington

TO Distribution

FROM Barry L. Lawrence 

DATE April 28, 2010

ATTENDEES

W. F. Melvin, T2-10
J. F. Armatrout, T2-03
W. A. Borlaug, T2-10
M. D. Clark, N3-20
B. L. Lawrence, T2-03
M. A. Casbon, T2-03
O. C. Robertson (RL), A3-04
D. R. Einan (EPA), B1-46
M. A. Webb, T2-03
K. A. Benguiat (RL), A3-04

DISTRIBUTION

M. E. Lewis, M3-20
I. L. Siddoway, N3-20
J. W. Donnelly, H4-22
M. G. Peloquin, T2-03
F. L. Farmer, T2-03
T. A. Nelson, H4-14
T. E. Wintle, T2-10
R. J. Landon, H4-21
R. A. Caulfield, T2-03
D. R. Hilderbrand (RL), A6-38
D. T. Bignell, H4-22
W. F. Johnson, H4-22
J. S. Allen (RL), L4-13
B. C. Covert, T2-03
M. S. French (RL), A6-38
J. R. Franco (RL), A3-04
N. Graves (RL), A7-27
R. Paul (EPA), B1-46
Document Control H4-11

A meeting was held on April 28, 2010, at Washington Closure Hanford (WCH) Building, MO-607, Richland, Washington and these minutes are a summary of the discussions.

ADMINISTRATIVE

- Next ERDF Weekly Interface Meeting – The next meeting will be on Wednesday, May 5, 2010
- Attendees/Delegations – Representatives from the U.S. Environmental Protection Agency (EPA) and the U.S. Department of Energy, Richland Operations Office (RL) were present to conduct the business of the weekly meeting
- Approval of Minutes – Minutes from the meeting held on 4-21-2010 are under review

- Action Item Status – There are currently no open action items
- Agenda – Attachment 1 is the meeting agenda

TOPICS DISCUSSED

Safety Topic Introductions

ARRA Design/Construction Review Status – Bill Melvin

- **Status Cells 9 & 10**
 - Excavations is on the last lift of cell 10
 - Crest Pad 9 Building is being constructed
 - AdMix production will begin next week
 - Lysimeter installation will begin next week
- **Status ARRA Activities**
 - Maintenance Building, 30% Design is due in 2 weeks
 - Container tracking system demo last week was successful
 - Pay hauler and man lift procurement is due out next week
 - 50 ton forklift is due to arrive next week

Operations – Jeff Armatrout

- **Status General Operations**
 - ERDF disposal is averaging 450 container per day
 - ERDF will begin working every other Friday
 - ERDF has been adding a 10' section of bungee cord material to the existing bungee cord on the cans, to reduce the chances of injuring workers while pulling the tarps tight on the cans
 - D4 has requested an additional 10 green cans at the 400 Area site, for a total of 20 green cans
- **Status OHC**
 - ERDF has stopped hauling containers off Arid Land Ecology (ALE), due to research activities in the area
- **Waste Forecast**
 - ERDF anticipates that shipments of waste will remain stable throughout the summer

Engineering – Bill Borlaug

- **Status Engineering**
 - Soil test of the location for the 327 Hot Cells is complete. D4 will provide two options for the material and construction of disposal pad for the 327 Hot Cells
 - U.S. Ecology will need 400,000 yards of cover material for their site later this year

- **Status AB**
 - AB is under review with DOE

- **Status PA/REA**
 - ERDF will hold a kick-off meeting for the preparation of the Performance Assessment (PA) next week
 - ERDF requested a Division of Responsibility (DOR) for the companies (CHPRC, WCH and URS) preparing the PA

- **Uranium WAC Limits**
 - ERDF is preparing a work order with CHPRC (Marc Wood) for a White Paper on Uranium and Carbon-14 Limits and Treatment for ERDF

Environmental – Barry Lawrence

- DOE and EPA were provided draft copies of the ERDF Cells 5, 6, 7, and 8, Gravity Collection Lysimeter Monitoring Plan for CY2009
- The draft copy of the Groundwater and Leachate Monitoring and Sampling at ERDF (CY 2009) report is still under review with DOE and EPA

NEW ISSUES IDENTIFIED

No new issues were identified.

NEW ACTION ITEMS

No new items were identified.

AGREEMENTS DISCUSSED OR REACHED

No new agreements were reached.

ATTACHMENT 1
ERDF REGULATORY INTERFACE MEETING
April 28, 2010

Safety Topic
Introductions

Design/Construction Review Status – Bill Melvin

- Status Cell 9 & 10 Construction

- Status ARRA Activities

- Cell 11 Construction

Operations – Jeff Armatrout

- Status Operations

- Status OHC

- Waste Forecasts

Engineering – Bill Borlaug

- Status Engineering

- Status AB

- Status PA/REA

- Uranium WAC Limits

Environmental – Barry Lawrence

- Approval of meeting minutes, 4-21-2010

- Next Meeting, 5-5-2010

WCH Washington
Closure
Hanford
Meeting Minutes

151474

SUBJECT

ERDF INTERFACE MEETING MINUTES

Washington Closure Hanford (WCH) Building, MO-607,
Richland, Washington

TO Distribution

FROM Barry L. Lawrence 

DATE May 26, 2010

ATTENDEES

J. F. Armatrout, T2-03
W. A. Borlaug, T2-10
M. A. Casbon, T2-03
B. C. Covert, T2-03
D. R. Einan (EPA), B1-46
B. L. Lawrence, T2-03
W. F. Melvin, T2-10
M. G. Peloquin, T2-03
O. C. Robertson (RL), A3-04
T. E. Wintle, T2-10

DISTRIBUTION

J. S. Allen (RL), L4-13
K. A. Benguiat (RL), A3-04
D. T. Bignell, H4-22
R. A. Caulfield, T2-03
M. D. Clark, N3-20
J. W. Donnelly, H4-22
F. L. Farmer, T2-03
J. R. Franco (RL), A3-04
M. S. French (RL), A6-38
N. Graves (RL), A7-27
D. R. Hilderbrand (RL), A6-38
W. F. Johnson, H4-22
R. J. Landon, H4-21
M. E. Lewis, M3-20
T. A. Nelson, H4-14
I. L. Siddoway, N3-20
M. A. Webb, T2-03
Document Control, H4-11

A meeting was held on May 26, 2010, at Washington Closure Hanford (WCH) Building, MO-607, Richland, Washington and these minutes are a summary of the discussions.

ADMINISTRATIVE

- Next ERDF Weekly Interface Meeting – The next meeting will be on Wednesday, June 9, 2010
- Attendees/Delegations – Representatives from the U.S. Environmental Protection Agency (EPA) and the U.S. Department of Energy, Richland Operations Office (RL) were present to conduct the business of the weekly meeting
- Approval of Minutes – Minutes from the meeting held on May 19, 2010 are under review
- Action Item Status – There are currently no open action items

- Agenda – Attachment 1 is the meeting agenda

TOPICS DISCUSSED

Safety Topic

Introductions

ARRA Design/Construction Review Status – Bill Melvin

- **Status Cells 9 & 10**
 - Crest Pad Buildings 9 and 10 are still being constructed
 - AdMix placement has been slowed down due to current weather conditions
 - The project needs access to Pit 30, which is currently being controlled by BHI. WCH will have to move ~30,000 yards of material and build a haul road prior to occupying the pit.
 - Geotextile liner material is being delivered and liner installation is scheduled to begin next week
 - Leachate Transmissions lines are being placed and tested
 - ERDF Cell 9 AdMix Placement Curve (see attached)
- **Status ARRA Activities**
 - Maintenance Building, 30% Design is being revised to include the upcoming DOE Seismic Criteria for the Hanford Site
 - Septic System, 100% Design is due June 6
 - On May 25, the construction crew was working on the piping in Manhole 20, which is connected to the truck wash pad and has not used. While in the process of removing flange bolts water began leaking from the pipe into the manhole. The task was stopped and appropriate actions were taken by supervision and the crew. The water was contained in the manhole and no radioactive or hazardous concerns were identified based on Rad surveys and the system design purpose. The water (<100 gallons) will be pumped from the manhole and disposed of in the leachate tanks. The other end of this pipe has been cut at the lower end and exposed for the past month. Engineering will investigate why this water did not drain as expected.

Operations – Jeff Armatrout

- **Status General Operations**
 - ERDF will not be working this Friday
 - ERDF will begin preparing the site for the upcoming 4 day weekend
 - ERDF has completed replacing the valves in the Leachate Facility
- **Status OHC**
 - ERDF will continue assisting OHCs by hauling their containers from their projects
- **Waste Forecast**
 - ERDF anticipates shipments of 600 waste containers on a daily basis throughout the summer
 - ERDF is preparing for waste material from the 324 Building this fall. ERDF will have to construct ~70 Macro encapsulation pads to support the estimated 500 containers from the D4 operations.

Engineering – Bill Borlaug

- **Leachate System Alarms**
 - ERDF is in the process of 1) reviewing alarm procedures and responses, 2) assignment of “Severity” codes to specific alarms and notifications to appropriate personnel, and 3) communication failures between the PLC at the Crest Pads and the PLC in MO-481 and the SCADA system
 - ERDF will re-evaluate the appropriate responses to the SCADA alarms, revise the procedures, and the review team will schedule another meeting to discuss the proposed changes

- **Status AB**
 - WCH is in the process of preparing responses to DOE comments

- **Status PA/REA**
 - ERDF has drafted a schedule for the PA completion (28 month process)
 - ERDF anticipates beginning the PA on July 1, 2010
 - ERDF is drafting a presentation for the DOE-RL Executive Council Meeting

- **Uranium and C-14 White Paper**
 - CHPRC has started developing a White Paper on Uranium and Carbon-14 Limits and Treatment for ERDF, the draft is due to ERDF in June 2010

- **327 Hot Cells Pad**
 - 327 Hot Cell disposal pad top course is being compacted and testing
 - The Gantry system installation is scheduled for June 2010

- **US Ecology**
 - ERDF and US Ecology have finalized the Access Agreement

- **Container Maintenance**
 - **The maintenance group plans to paint approximately 10 RO/RO containers green. This will be performed outside the maintenance shop and will be performed under the exception provided in WAC 173-400-110(4) which states: Emission unit and activity exemptions. “.....The construction or modification of an emission unit exempt under this subsection does not require the filing of a notice of construction application. (a) Maintenance/construction: (v) Plant maintenance and upkeep activities (grounds keeping, general repairs, routine house keeping, routine plant painting, welding, cutting, brazing, soldering, plumbing, retarring roofs, etc.);”**

There was general concurrence by EPA and DOE that this activity met the intent of the exception.

Environmental – Barry Lawrence

- The meeting scheduled for June 2, 2010 has been canceled. The next meeting will be held on June 9, 2010.
- DOE and EPA has provided comments on the CY2009 Groundwater and Leachate Report & CY2009 Lysimeter Report

NEW ISSUES IDENTIFIED
No new issues were identified.

NEW ACTION ITEMS
No new items were identified.

AGREEMENTS DISCUSSED OR REACHED
No new agreements were reached.

ATTACHMENT 1
ERDF REGULATORY INTERFACE MEETING
May 26, 2010

Safety Topic

Design/Construction Review Status – Bill Melvin

- Status Cell 9 & 10 Construction
- Status ARRA Activities

Operations – Jeff Armatrout

- Status Operations
- Status OHC
- Waste Forecasts

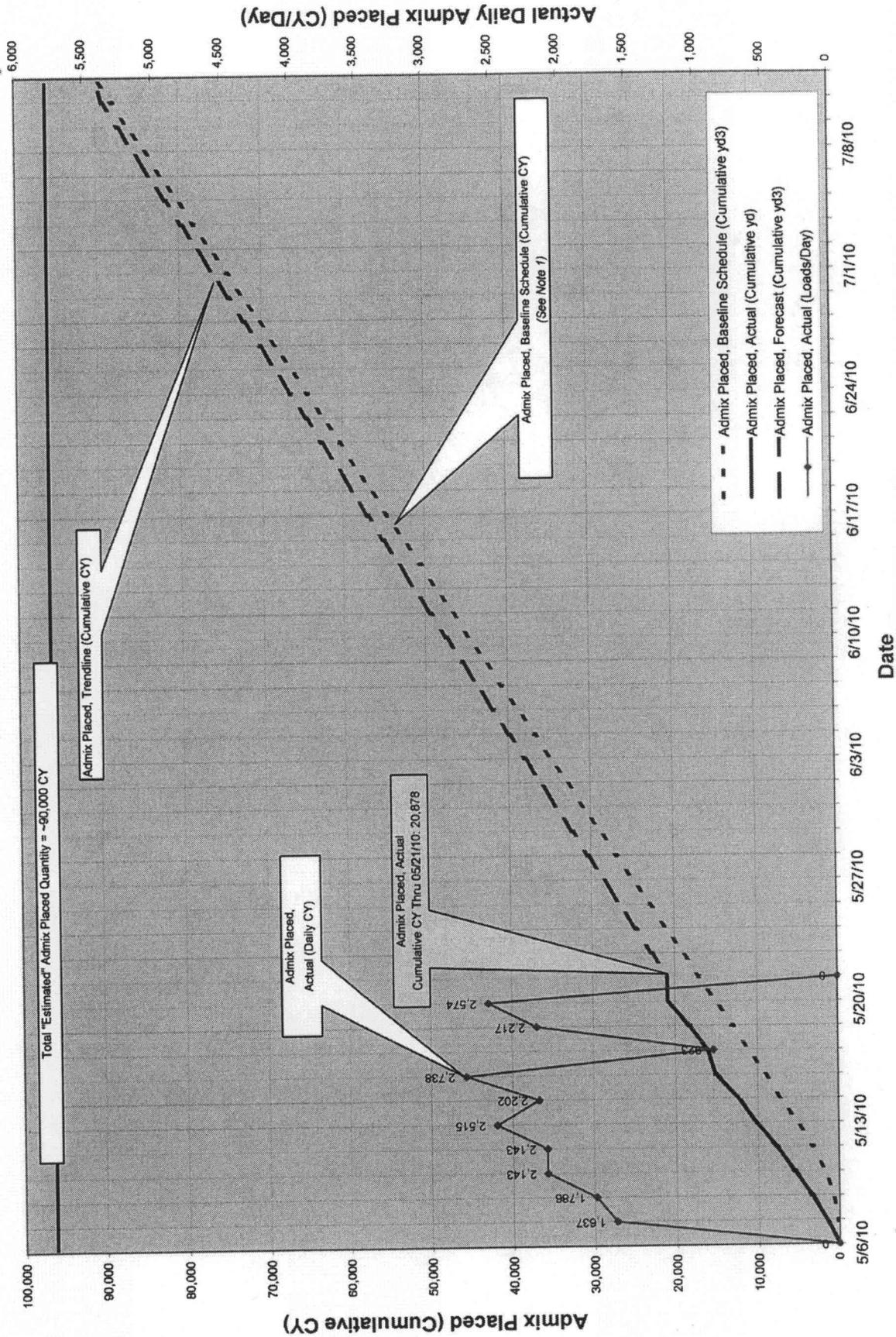
Engineering – Bill Borlaug

- Leachate System Alarms
- Status AB
- Status PA/REA
- Uranium and C-14 White Paper
- 327 Hot Cells
- US Ecology
- Container Maintenance

Environmental – Barry Lawrence

- Approval of meeting minutes, 5-12-2010
- Next Meeting, 6-9-2010
- Comments, CY2009 Groundwater and Leachate Report & CY2009 Lysimeter Report

ERDF Cell 9 Admix Placement Curve



Notes:
 1. "Admix Placed, Baseline Schedule" based on a linear relationship between the total estimated quantity and the completion date listed in SUBCONTRACTOR'S Baseline Schedule May-18-2010.

WCH Washington
Closure
Hanford
Meeting Minutes

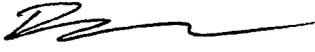
151475

SUBJECT

ERDF INTERFACE MEETING MINUTES

Washington Closure Hanford (WCH) Building, MO-607,
Richland, Washington

TO Distribution

FROM Barry L. Lawrence 

DATE May 19, 2010

ATTENDEES

J. F. Armatrout, T2-03
W. A. Borlaug, T2-10
M. A. Casbon, T2-03
M. D. Clark, N3-20
B. C. Covert, T2-03
D. R. Einan (EPA), B1-46
B. L. Lawrence, T2-03
W. F. Melvin, T2-10
M. G. Peloquin, T2-03
O. C. Robertson (RL), A3-04
I. L. Siddoway, N3-20
T. E. Wintle, T2-10
K. R. Shupe, T4-09
B. Wolfe, T4-10

DISTRIBUTION

J. S. Allen (RL), L4-13
K. A. Benguiat (RL), A3-04
D. T. Bignell, H4-22
R. A. Caulfield, T2-03
J. W. Donnelly, H4-22
F. L. Farmer, T2-03
J. R. Franco (RL), A3-04
M. S. French (RL), A6-38
N. Graves (RL), A7-27
D. R. Hilderbrand (RL), A6-38
W. F. Johnson, H4-22
R. J. Landon, H4-21
M. E. Lewis, M3-20
T. A. Nelson, H4-14
M. A. Webb, T2-03
Document Control, H4-11

A meeting was held on May 19, 2010, at Washington Closure Hanford (WCH) Building, MO-607, Richland, Washington and these minutes are a summary of the discussions.

ADMINISTRATIVE

- Next ERDF Weekly Interface Meeting – The next meeting will be on Wednesday, May 26, 2010
- Attendees/Delegations – Representatives from the U.S. Environmental Protection Agency (EPA) and the U.S. Department of Energy, Richland Operations Office (RL) were present to conduct the business of the weekly meeting
- Approval of Minutes – Minutes from the meeting held on May 12, 2010 were approved
- Action Item Status – There are currently no open action items
- Agenda – Attachment 1 is the meeting agenda

TOPICS DISCUSSED

Safety Topic

Introductions

ARRA Design/Construction Review Status – Bill Melvin

- **Status Cells 9 & 10**
 - Crest Pad Buildings 9 and 10 are being constructed
 - AdMix production is being placed on the south wall of cell 9 and is scheduled to be completed by September
 - The project needs access to Pit 30, which is currently being controlled by BHI. BHI does not own the pit, but has secured the area with a locked gate
 - Geotextile liner material will be delivered on May 25. Liner installation is scheduled to begin on May 27.
 - Leachate Transmissions lines are being placed and tested
 - ERDF Cell 9 AdMix Placement Curve (see attached)

- **Status ARRA Activities**
 - Maintenance Building, 30% Design is in review
 - Septic System, 100% Design is due June 6
 - Batch Plant requisition is in progress

Operations – Jeff Armatrout

- **Status General Operations**
 - ERDF disposed of ~300 containers on Monday
 - ERDF will still work every other Friday
 - ERDF personnel will attend the Safety Expo this afternoon.
 - ERDF will begin replacing valves (~20 valves) in the Leachate Facility

- **Status OHC**
 - ERDF has resumed hauling containers off the Arid Land Ecology (ALE) site
 - CHPRC has averaged delivering ~200 containers to ERDF on a daily basis. ERDF has agreed to assist OHCs in hauling their containers

- **Waste Forecast**
 - ERDF anticipates that shipments of waste will remain stable throughout the summer

- **600-120 Waste Material**
 - On Monday, a metal tank (3'x3') was shipped to ERDF from the 600-120 site. Disposal personnel discovered the tank and called site supervision. ERDF went in to protective measures, secured the area, and contacted the waste generator. The material in the tank had been previously sampled and the data results indicated non-detects, but the detection limits were in the LDR range. The sample was re-analyzed with lower detection limits and the data confirmed that the material was not LDR, non-hazardous, non-Rad, and non-regulated. During the fact finding, they discovered that there was a communication breakdown between project personnel. The project will review current procedures and implement an anomaly tracking system.
 - See attached photos of the tank from 600-120

- **CHPRC Work Review (Kalli Shupe)**
 - CHPRC provided a briefing on upcoming projects and potential waste estimates

Engineering – Bill Borlaug

- **Leachate System Alarms**
 - A meeting with DOE, EPA, Stoller, and WCH will be held following the ERDF Interface Meeting today to 1) review alarm procedures and responses, 2) assignment of “Severity” codes to specific alarms and notifications to appropriate personnel, and 3) communication failures between the PLC at the Crest Pads and the PLC in MO-481 and the SCADA system
 - ERDF will re-evaluate the appropriate responses to the SCADA alarms, revise the procedures, and the review team will schedule another meeting to discuss the proposed changes
- **Status AB**
 - WCH has received the responses from DOE and is in the process of drafting answers to these responses
- **Status PA/REA**
 - ERDF has drafted a schedule for the PA completion (28 month process)
 - ERDF anticipates beginning the PA on July 1, 2010
 - Modeling moratorium is still in place for the Hanford site with the exceptions of approved CERCLA projects
- **Uranium and C-14 White Paper**
 - CHPRC has started developing a White Paper on Uranium and Carbon-14 Limits and Treatment for ERDF, the draft is due to ERDF in June 2010
- **327 Hot Cells Pad**
 - Hot cell disposal pad subgrade is being compacted and testing. Rock placement will begin soon.
 - The Gantry system installation is scheduled for May 27, 2010
- **US Ecology**
 - ERDF and US Ecology have finalized the Access Agreement
 - US Ecology anticipates back hauling material from August – November 2010
- **DRAS 3.0**
 - EPA and DOE are in concurrence with using the current DRAS 2.0, until DRAS 3.0 has been upgraded and tested. This will be documented in the biennial review and DRAS 3.0 will be reevaluated prior to preparing the following biennial report.

Environmental – Barry Lawrence

- EPA is still reviewing the Groundwater and Leachate Monitoring and Sampling at ERDF (CY 2009) report and Annual Report for Gravity Collection Lysimeter Monitoring in ERDF Cells 5, 6, 7, and 8 for CY2009

NEW ISSUES IDENTIFIED

No new issues were identified.

NEW ACTION ITEMS

No new items were identified.

AGREEMENTS DISCUSSED OR REACHED

No new agreements were reached.

ATTACHMENT 1
ERDF REGULATORY INTERFACE MEETING
May 19, 2010

Safety Topic
Introductions

Design/Construction Review Status – Bill Melvin

- Status Cell 9 & 10 Construction
- Status ARRA Activities

Operations – Jeff Armatrout

- Status Operations
- Status OHC
- Waste Forecasts
- 600-120 Waste Material
- CHPRC Work Review (Kalli Shupe)

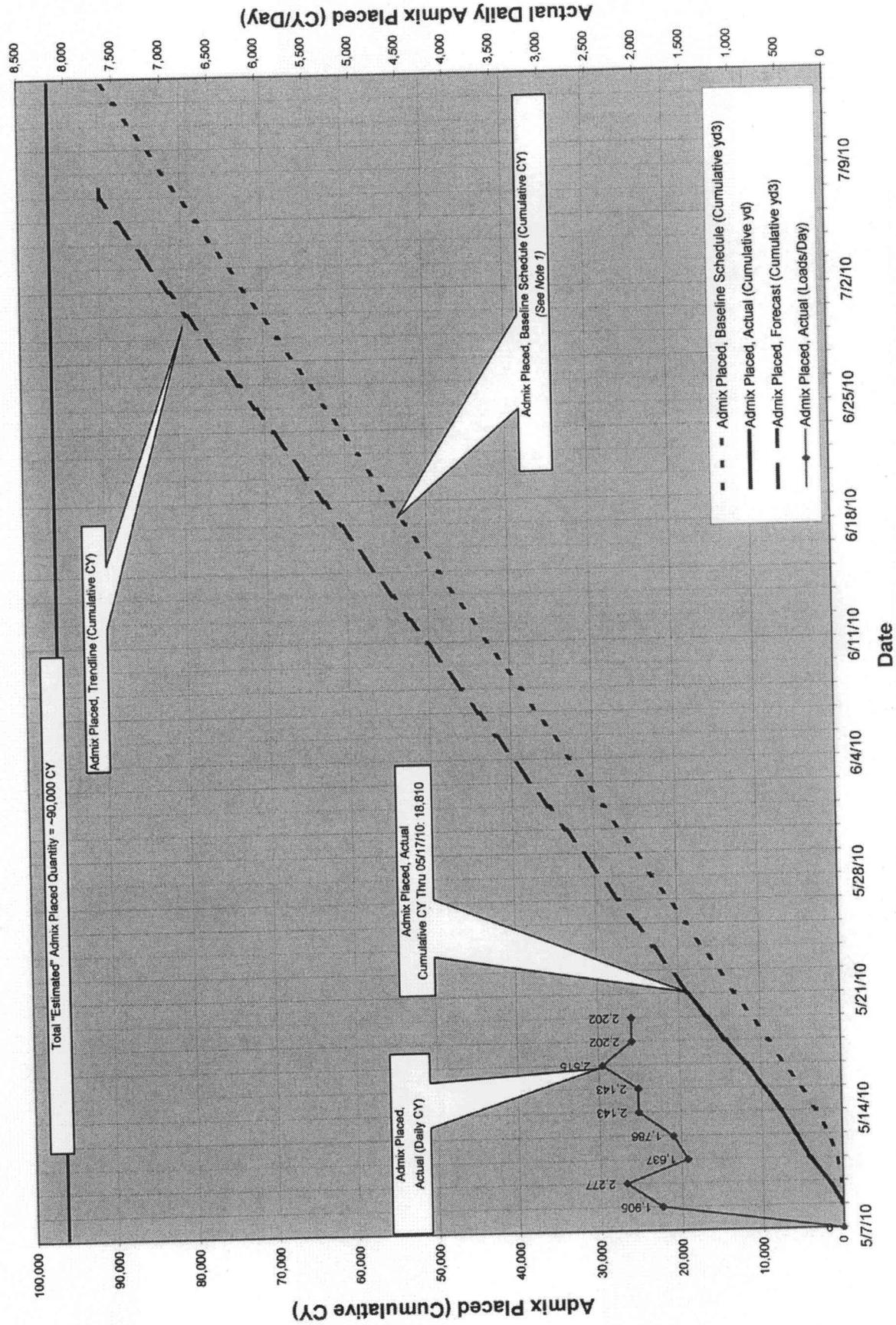
Engineering – Bill Borlaug

- Leachate System Alarms
- Status AB
- Status PA/REA
- Uranium and C-14 White Paper
- 327 Hot Cells
- US Ecology

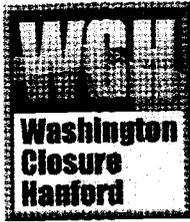
Environmental – Barry Lawrence

- Approval of meeting minutes, 5-12-2010
- Next Meeting, 5-26-2010
- Comments, CY2009 Groundwater and Leachate Report & CY2009 Lysimeter Report

ERDF Cell 9 Admix Placement Curve



Notes:
1. "Admix Placed, Baseline Schedule" based on a linear relationship between the total estimated quantity and the completion date listed in SUBCONTRACTOR'S Baseline Schedule May-18-2010.



JUN 19 2006

128335

U. S. Department of Energy
Richland Operations Office
S. L. Sedgwick, Contracting Officer
Procurement Services Division
P. O. Box 550, MSIN A7-80
Richland, Washington 99352

Subject: Contract No. DE-AC06-05RL14655
**SURPLUS SOIL FROM THE ENVIRONMENTAL RESTORATION
DISPOSAL FACILITY - US ECOLOGY INC.**

Dear Ms. Sedgwick:

The purpose of this letter is to request approval from the U. S. Department of Energy, Richland Operations Office (RL) for Washington Closure Hanford LLC (WCH) to authorize US Ecology to perform sampling (physical characteristics) as a precursor activity to potentially removing surplus soil that is located at Environmental Restoration Disposal Facility (ERDF). US Ecology is interested in using the soil for a cover at their work site.

Prior to US Ecology's removal of the soil, US Ecology has proposed using a drill rig to obtain soil samples. WCH would provide oversight for these activities in accordance with Section 7.0 of the WCH Integrated Environment, Safety, and Health Management System Description. Should US Ecology be allowed to remove the soil, RL and WCH would potentially benefit by reducing the amount of soil movement that will be required during ERDF expansion activities. US Ecology would like to begin sampling in the very near future. This request has been discussed with RL personnel.

If you have questions or need additional information, please contact me at 372-9213.

Sincerely,

S. L. Feaster
Manager, Contracts

PJK:pjk

cc: K. D. Bazzell (RL) A3-04
D. T. Evans (RL) A3-04
O. C. Robertson (RL) A3-04

JUN 19 2006

128335

bcc: S. L. Feaster H0-13
M. B Fox H0-20
D. H. Houston H0-04
J. R. James H9-03
T. F. Kisenwether T2-03
R. B. McPherson H0-13
P. L. Pettiette H0-21
W. S. Shingler H0-21
Records and Document Control H0-30

DATE	6/15/06	6-15-06	6-15-06	6-15-06
INITIALS	WSS WSS	JRJ <i>JRJ</i>	MBF <i>MBF</i>	JF <i>JF</i>

STANDARD FORM 122 JUNE 1974 GENERAL SERVICES ADMINISTRATION FPMR (41 CFR) 101-32.306 FPMR (41 CFR) 101-43.315	TRANSFER ORDER EXCESS PERSONAL PROPERTY	1. ORDER NO. 2. DATE <p style="text-align: right;">4/16/09</p>
---	---	--

3. TO: General Services Administration*	4. ORDERING AGENCY <i>(Full name and address)*</i> State of Washington Department of Health (DOH) 309 Bradley Blvd. Suite 201 Richland, WA 99352 Attn: Earl Fordham
5. Holding Agency <i>(Name and Address)*</i> Washington Closure Hanford, LLC (WCH) 2620 Fermi Avenue Richland, WA 99354	6. SHIP TO <i>(Consignee and Destination)*</i> U.S. Ecology (USE) Richland, WA 99352
7. Location of Property Washington Closure Hanford, LLC (WCH) Environmental Remediation Disposal Facility (ERDF) Richland, WA 99354	8. SHIPPING INSTRUCTIONS
9. Ordering Agency Approval A. Signature: <i>Earl Fordham</i> B. Date: <i>4/22/09</i>	10. APPROPRIATION SYMBOL AND TITLE
C. Title: <i>Regional Director, WDOH</i>	11. ALLOTMENT
12. GOVERNMENT B/L NO.	

13. PROPERTY ORDERED						
GSA AND HOLDING AGENCY NOS. (a)	ITEM NO. (b)	DESCRIPTION <i>(Include noun name, FSC Group and Class, Condition Code and, if available, National Stock Number)</i> (c)	UNIT (d)	QUANTITY (e)	ACQUISITION VALUE	
					UNIT (f)	TOTAL (g)
		Excess soil from the excavation of Super Cell 9 This soil is to remain within the confines of the Hanford Site and be used by USE for barrier/capping material on the State of Washington leased land at the Hanford Site, Contract No. A(45-1)-1835. By accepting this excess soil for use, DOH/USE also releases and holds DOE and its contractor WCH harmless from any claims or liabilities related to the use of this soil or its "illegal" transport off the USE site or other unauthorized use. <i>EF</i>	cu yds	800,000	cubic yard	

Personal property purchased from the U. S. Government may or may not be authorized for export from the United States. If export is allowed, the purchaser is solely responsible for obtaining required clearances, approvals, and/or licenses. The purchaser also is required to pass on the DOE's export control guidance if the property is resold or otherwise disposed. The required DOE export control guidance is:

The use, disposition, export, and re-export of this property is subject to all applicable U.S. laws and regulations, including the Atomic Energy Act of 1954, as amended; the Arms Export Control Act ((22 U.S.C 2751 et seq.); the Export Administration Act of 1979 (560 U.S.C Append 2401 et seq.); Assistance to Foreign Atomic Energy Activities (10 CFR part 810); Export and Import of Nuclear Equipment and Material (10 CFR part 110); International Traffic Arms Regulations (22 CFR parts 120 et seq.); Export Administration Regulations (15 CFR part 730 et seq.) Foreign Assets Control Regulations (31 CFR parts 500 et seq.); and the Espionage Act (37 U.S.C. 791 et seq.) which, among other things, prohibits:

- a. The making of false statements and concealment of any material information regarding the use or disposition, export or re-export of the property; and
- b. Any use or disposition, export or re-export of the property which is not authorized in accordance with the provisions of this agreement.

<i>EARL W. FORDHAM</i> Print or Type Name of Recipient	Signature of Authorized Representative
Print or Type Name If Not Recipient	Title:
Date	TOTAL= \$ - \$ -

14 RELEASING-DOE APPROVAL	A. SIGNATURE: RENATO MERCADO	B. TITLE: DOE-RL-OPMO	C. DATE <i>4/22/09</i>
FOR GSA USE ONLY	AGENCY AND LOCATION AGENCY STATE	FSC CONDITION SOURCE CODE	

CUSTOMER TO COMPLETE AS APPLICABLE:

144432

This has action Yes X No _____

Action Assigned To: B. Covert Due Date 6/29/09

Main Point of Contact: _____

(If there is not action assigned, please note Point of Contact for subject matter)

This closes CCN _____

Any Special Directions? (i.e., added distribution, reproduction instructions, colored items, extra attachments, sensitive documents, etc.)

Please identify distribution below. Use the blank lines to identify additional distribution, if applicable, and include the person's MSIN:

Internal Distribution	MSIN	w/a	w/o	Internal Distribution	MSIN	w/a	w/o
SPENCER, CG PRESIDENT & PROJECT MANAGER	H4-24	X		*TAVELLI, MF (ENGINEERING SERVICES)	H4-20		
DODD, RA DEPUTY PROJECT MANAGER	H4-24	X		CURRY, LR (NUCLEAR SAFETY)	H4-20		
HURSHMAN, DB (EMPLOYEE CONCERNS)	H4-18			*WINTCZAK, TM (PROJECT INTEGRATION)	H4-24		
MCPHERSON, RB (CHIEF LEGAL COUNSEL)	H4-24			MANAGEMENT FILE	H4-24	X	
*COVERT, BC (WASTE OPERATIONS)	T2-03	X		Armatrout, J.		X	
*FOSTER, TA (FIELD REMEDIATION CLOSURE)	X2-05			Plung, D.		X	
*HARRIS, TA (PROJECT SERVICES)	H4-24	X					
FEASTER, SL (CONTRACTS)	H4-24	X					
*JOHNSON, WF (ENVIRONMENTAL PROTECTION)	H4-22						
BIGNELL, DT (REGULATORY INTERFACE)	H4-22						
*PHELPS, PM (COMMUNICATIONS)	H4-14						
*SKWAREK, RJ (SAFETY, HEALTH & QUALITY)	H4-25						
CORRECTIVE ACTION MANAGEMENT (CAM) COORDINATOR	H4-25						
HUGHES, RA (EMERGENCY PREPAREDNESS)	H4-25						
JENKINS, KD (SAFETY & HEALTH)	H4-25						
HASSELL, HM (QUALITY ASSURANCE)	H4-25						
QUINN, TS (SAFEGUARDS & SECURITY)	H4-25						
WOODFORD, TL (PAAA COORDINATOR)	H4-25						
*SMITH, BD (D4/ISS)	L1-04						

RECEIVED

MAY 06 2009

WCH - DOCUMENT CONTROL

*Indicates Directors

LTR
DP

WASHINGTON CLOSURE HANFORD LLC
ACCESS AGREEMENT

GRANTEE: US Ecology Washington, Inc. (USE) CONTACT: Mike Ault,
Facility Manager
ADDRESS: 1777 Terminal Drive PHONE: (509) 377-2411
Richland, Washington 99354

WORK LOCATION: Environmental Restoration and Disposal Facility (ERDF), Hanford, WA

Washington Closure Hanford LLC (WCH), a CONTRACTOR for the United States Department of Energy (DOE) under Contract Number DE-AC06-05RL14655, grants permission to US Ecology Washington, Inc. (USE) this 18th day of May, 2010, to access ERDF to sample, excavate, load, and transport "excess soil" from the ERDF site in accordance with the provisions of this Agreement and the attached *Transfer Order Excess Personal Property* form approved by DOE-RL-OPMO, dated 4/22/09. For this agreement, up to 800,000 cubic yards of soils located within the soils stockpile from ERDF Cells 9 and 10 are considered "excess soils."

1. USE shall coordinate the work with WCH's ERDF Construction Manager, Bill Melvin, or Subcontract Technical Representative (STR), Jack Howard.
2. USE shall furnish all professional services, including labor, materials, tools and supplies, equipment, transportation, and supervision required to sample and remove the excess soil.
3. USE shall load soil from the east end of the cell 10 excess soil stockpile at the location determined by WCH. Vertical excavation slopes shall not be left overnight, weekends, or holidays. After soil removal is complete, USE shall grade areas disturbed by their activities, including the stockpile, to provide a uniform grade free of ruts and scattered piles of soil and then apply soil stabilizing materials to control visible dust emissions.
4. Access to ERDF and work on the ERDF site shall be performed during WCH's site work hours: 6:00 a.m to 4:30 p.m Monday through Thursday. Deviation from WCH's site work hours shall be requested in writing and approval shall be at WCH's discretion.
5. Use of access roads on the ERDF site shall be requested in writing and approved by WCH. USE shall comply with ERDF traffic control plans and speed limits while on the ERDF site.
6. This soil is to remain within the confines of the Hanford Site and be used by USE for barrier/capping material on the State of Washington leased land, Contract No. A(45-1)-1835. By accepting this excess soil for use, USE releases and holds DOE and WCH harmless from any claims and liabilities related to the removal and use of this soil or its transport off the USE site or other unauthorized use.
7. USE shall control storm water run off from its activities performed on the ERDF site. Ponding of storm and dust control water near monitoring wells, ERDF trench, etc. is not allowed.
8. USE is responsible for reporting, controlling, clean up, and disposal of spilled materials/liquids. Fuel storage tank(s) shall not be located at ERDF.
9. USE shall provide and apply water and applications of fixatives, crusting agents, or other soil-stabilizing materials to control visible dust emissions within the area disturbed by their activities throughout the duration of the project.

Washington Closure Hanford LLC

US Ecology Washington, Inc.

By: M. Neil Brosen
(print or type)

By: Michael R. Ault
(print or type)

Signature: [Handwritten Signature]

Signature: [Handwritten Signature]

Title: President & Project Manager

Title: Facility Manager

STANDARD FORM 122 JUNE 1974 GENERAL SERVICES ADMINISTRATION FPMR (41 CFR) 101-32.306 FPMR (41 CFR) 101-43.315	TRANSFER ORDER EXCESS PERSONAL PROPERTY	1. ORDER NO. 2. DATE <p style="text-align: right;">4/16/09</p>
---	---	--

3. TO: General Services Administration*	4. ORDERING AGENCY (Full name and address)* State of Washington Department of Health (DOH) 309 Bradley Blvd. Suite 201 Richland, WA 99352 Attn: Earl Fordham
---	--

5. Holding Agency (Name and Address)* Washington Closure Hanford, LLC (WCH) 2620 Fermi Avenue Richland, WA 99354	6. SHIP TO (Consignee and Destination)* U.S. Ecology (USE) Richland, WA 99352
---	---

7. Location of Property Washington Closure Hanford, LLC (WCH) Environmental Remediation Disposal Facility (ERDF) Richland, WA 99354	8. SHIPPING INSTRUCTIONS
--	--------------------------

9. Ordering Agency Approval A. Signature: <i>Earl Fordham</i> B. Date: <i>4/22/09</i> C. Title: <i>Regional Director, WDOH</i>	10. APPROPRIATION SYMBOL AND TITLE 11. ALLOTMENT 12. GOVERNMENT BIL NO.
--	---

13. PROPERTY ORDERED						
GSA AND HOLDING AGENCY NOS. (a)	ITEM NO. (b)	DESCRIPTION <small>(Includes noun name, FSC Group and Class, Condition Code and, if available, National Stock Number)</small> (c)	UNIT (d)	QUANTITY (e)	ACQUISITION VALUE	
					UNIT (f)	TOTAL (g)
		Excess soil from the excavation of Super Cell 9 This soil is to remain within the confines of the Hanford Site and be used by USE for barrier/capping material on the State of Washington leased land at the Hanford Site, Contract No. A(45-1)-1835. By accepting this excess soil for use, DOH/USE also releases and holds DOE and its contractor WCH harmless from any claims or liabilities related to the use of this soil or its "illegal" transport off the USE site or other unauthorized use. <i>EF</i>	cu yds	800,000	cubic yard	

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- a. The making of false statements and concealment of any material information regarding the use or disposition, export or re-export of the property; and
- b. Any use or disposition, export or re-export of the property which is not authorized in accordance with the provisions of this agreement.

EARL W. FORDHAM
 Print or Type Name of Recipient Signature of Authorized Representative

 Print or Type Name If Not Recipient Title:

 Date

TOTAL= \$ - \$ -

14 RELEASING-DOE APPROVAL	A. SIGNATURE: <i>Renato Mercado</i> RENATO MERCADO	B. TITLE: DOE-RL-OPMO	C. DATE <i>4/22/09</i>
---------------------------	--	--------------------------	---------------------------

FOR GSA USE ONLY	AGENCY AND LOCATION	FSC	CONDITION	SOURCE CODE
	AGENCY STATE			

CUSTOMER TO COMPLETE AS APPLICABLE:

151449

This has action Yes _____ No X

Action Assigned To: _____ Due Date _____

Main Point of Contact: BC Covert

(If there is not action assigned, please note Point of Contact for subject matter)

This closes CCN _____

Any Special Directions? (i.e., added distribution, reproduction instructions, colored items, extra attachments, sensitive documents, etc.)

Please identify distribution below. Use the blank lines to identify additional distribution, if applicable, and include the person's MSIN:

Internal Distribution	MSIN	w/a	w/o	Internal Distribution	MSIN	w/a	w/o
BROSEE, MN PRESIDENT & PROJECT MANAGER	H4-24		X	* PHELPS, PM (COMMUNICATIONS)	H4-14		
DODD, RA DEPUTY PROJECT MANAGER	H4-24		X	*SMITH, BD (D4/ISS)	L7-11		X
HURSHMAN, DB (EMPLOYEE CONCERNS)	H4-18			*WINTCZAK, TM (PROJECT INTEGRATION)	H4-24		X
MCPHERSON, RB (CHIEF LEGAL COUNSEL)	H4-24		X	MANAGEMENT FILE	H4-24		X
*COVERT, BC (WASTE OPERATIONS)	T2-03		X				
*FOSTER, TA (FIELD REMEDIATION CLOSURE)	N3-30		X				
*FRANK, MV (ENGINEERING SERVICES)	H4-20						
CURRY, LR (NUCLEAR SAFETY)	H4-20						
*HARRIS, TA (PROJECT SERVICES)	H4-24		X				
FEASTER, SL (CONTRACTS)	H4-24		X				
*JOHNSON, WF (ENVIRONMENTAL PROTECTION)	H4-22		X				
BIGNELL, DT (REGULATORY INTERFACE)	H4-10						
*MILLIKIN, EJ (SAFETY, HEALTH & QUALITY)	H4-25		X				
CORRECTIVE ACTION MANAGEMENT (CAM) COORDINATOR	H4-25						
HASELL, HM (QUALITY ASSURANCE)	H4-25						
JENKINS, KD (SAFETY & HEALTH)	H4-25						
KINNUNEN, EP (EMERGENCY PREPAREDNESS)	H4-25						
QUINN, TS (SAFEGUARDS & SECURITY)	H4-25						
WOODFORD, TL (PAAA COORDINATOR)	H4-25						

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 JUN 04 2010
 WCH - DOCUMENT CONTROL

*Indicates Directors

mi
 DIX

RECEIVED

AUG 12 1998

BY DIS

5-002-01A
Resubmittal

Excess Soil Material
Stockpile and Maintenance Procedure

The excavated soils stockpile limits will be scaled off the design drawings and identified in the field as to locations by staking the corners and toe of the pile. Before construction of the pile begins we will seal the original ground surface with rubber tired equipment. The pile will be constructed in a neat and well drained condition. During construction the top of the pile will be sloped away from the trench excavation. In the case of a storm event the runoff from the pile would not impede the excavation operation or BHI's operations contractor from accessing the DOC pile. If necessary temporary drainage swales can be constructed at the base of the pile to convey runoff away from the construction activity.

This pile will not be contaminated with unsatisfactory materials (ie: strippings, unyielding materials). All unsuitable materials will be disposed of in Pit 31 the same principles used in constructing the piles on-site will be used in Pit 31.

There will be one temporary stockpile constructed to the south of the existing DOC pile which will consist of the base soil for our admix processing operation. It will be constructed with a dozer and consist of approximately 90,000 cy of material. The same principles used in constructed the two other piles will be applied to this temporary pile.

If damage does occur to the stockpile due to erosion, Delhur Industries, Inc. will repair the damage in a timely manner and take the proper measures to prevent further erosion. During the stockpile construction operation the water truck will be in operation maintaining dust control.

0600X-SC-60020-5-002-01A

Enclosure II

French, Mark

From: Mandis, Michelle (ECY) [MICH461@ecy.wa.gov]
Sent: Monday, July 21, 2008 9:40 AM
To: French, Mark S; Skinnerland, E R (Ron); Hedges, Jane; Robertson, Gary (DOH)
Cc: Robertson, Owen Jr; Singleton, Deborah; Ollero, Jennifer (ECY); Schwab, Kristen (DOH); Moore, Steve V; Goldstein, Larry; Elsen, Mike (DOH); Riley, John (DOH)
Subject: RE: ERDF soil data

Thanks Mark for the great news. Ecology and Health appreciate USDOE's ERDF's soil data information.

Michelle

From: French, Mark S [mailto:Mark_S_French@RL.gov]
Sent: Sunday, July 20, 2008 10:06 PM
To: Mandis, Michelle (ECY)
Cc: Robertson, Owen Jr; French, Mark S
Subject: ERDF soil data

Sorry I forgot to get back to you last week but we have no issue with you using the soil data we discussed for analysis by your soil engineer.

Koeller, Pamela J

From: Peloquin, Michael G
Sent: Tuesday, August 11, 2009 1:13 PM
To: Covert, Bruce C; Borlaug, William A; Melvin, William F
Subject: FW: ROD amendment w/ corrected Ecology signature
Attachments: ERDF ROD Amendment Cells 9-10 Final with signatures.pdf

This one is signed and DATED by all parties.

Thanks!
Michael Peloquin
539-5357

From: Brownell.Helen@epamail.epa.gov [mailto:Brownell.Helen@epamail.epa.gov]
Sent: Tuesday, August 11, 2009 12:33 PM
To: Peloquin, Michael G; Robertson, Owen C
Subject: ROD amendment w/ corrected Ecology signature

Helen Brownell
Office Manager
U.S. EPA Hanford Project Office
(509)376-6865
(509)376-2396 (fax)
brownell.helen@epa.gov

DECLARATION

SITE NAME AND LOCATION

U.S. Department of Energy
Environmental Restoration Disposal Facility
Hanford Site – 200 Area
Benton County, Washington

STATEMENT OF BASIS AND PURPOSE

This Record of Decision (ROD) Amendment and Explanation of Significant Differences (ESD) has been developed in accordance with the *Comprehensive Environmental Response, Compensation, and Liability Act of 1980* (CERCLA), as amended by the *Superfund Amendments and Reauthorization Act of 1986* (SARA), 42 U.S.C. Section 9601; and to the extent practicable, the “National Oil and Hazardous Substances Pollution Contingency Plan” (NCP), 40 *Code of Federal Regulations* (CFR) Part 300. This ROD Amendment and ESD is based on the Administrative Record for the Environmental Restoration Disposal Facility (ERDF).

The State of Washington concurs with the ROD Amendment and ESD.

ASSESSMENT OF THE SITE

The response action selected in the ROD, as modified herein, is necessary to protect the public health or welfare or the environment from actual or threatened releases of hazardous substances into the environment. Such a release, or threat of release, may present an imminent and substantial endangerment to public health, welfare, or the environment.

BACKGROUND AND DESCRIPTION OF THE ROD AMENDMENT AND ESD

The ERDF ROD was signed by the U.S. Environmental Protection Agency (EPA), Washington State Department of Ecology (Ecology), and U.S. Department of Energy (DOE) in January 1995. An Explanation of Significant Differences (ESD) was issued in August 1996. Four amendments to the ERDF ROD have been issued in September 1997, March 1999, January 2002, and May 2007. This fifth ROD Amendment and ESD documents fundamental and significant changes to the remedy set forth in the 1995 ERDF ROD, as amended.

Public participation and documentation procedures for this ROD Amendment and ESD have been followed, as specified in CERCLA Section 117 and 40 CFR § 300.435(c) (2)(ii).

The new changes to the ROD, as amended, are summarized below:

ROD Amendment

ERDF Expansion. Under this ROD amendment, an area equal to four additional ERDF cells or two “super” cells will be constructed and operated for disposal of Hanford Site remediation waste (Phase IV). This cell construction would be located entirely within the 4.1-km² (1,024-acre) area selected for ERDF, as defined in the ERDF ROD. The cells will be designed, constructed, and operated to meet ROD requirements, including the *Resource Conservation and Recovery Act of 1976* (RCRA) minimum technical requirements in 40 CFR 264, Subpart N, and requirements to provide sufficient leachate storage capacity to ensure uninterrupted operations.

Significant Differences

Updated ERDF Cell Design. The ERDF ROD states that the ERDF will be a single 21.3-m (70-ft)-deep trench consisting of a series of two side-by-side cells, each measuring 152 by 152 m (500 by 500 ft) at the base. This ESD will allow a single “super cell” in place of the side-by-side configuration described in the ROD. A “super cell” is equivalent in size to what has been called two cells in the past. The term “cell” refers to the disposal area, leachate collection sump, and associated piping and crest pad building. By incorporating the advancements in landfill design that have occurred since ERDF’s inception, ERDF “super cells” will now be able to accomplish the leachate collection with one sump and one crest pad building that heretofore required two. The result is a change in the previous design by combining the area of two cells into a single “super cell.” The cells will continue to be equipped with a double liner and a leachate collection and recovery system that meets the requirements for hazardous waste landfills under RCRA (40 CFR 264, Subpart N), as required by the ERDF ROD.

Authorization of Additional ERDF Cells. This ESD also authorizes the addition of future ERDF cells upon EPA approval through the issuance of a fact sheet by DOE that would be placed in the Administrative Record and Information Repositories, rather than the current ROD amendment process required by the original ERDF ROD. This change will allow additional ERDF cells to be constructed as needed without delay to support the disposal of Hanford Site remediation waste. The additional cells will be located entirely within the 4.1-km² (1,024-acre) area selected for ERDF, as defined in the ERDF ROD. The DOE and EPA will authorize the construction of additional disposal cells as required to support disposal of Hanford Site remediation waste.

DECLARATION

The ROD, as modified herein, continues to be protective of human health and the environment, complies with federal and state requirements (identified in the ROD, as amended) that are legally applicable or relevant and appropriate, is cost effective, and utilizes permanent solutions to the maximum extent practicable.

The statutory preference for treatment as a principal element will be satisfied when wastes that require treatment at ERDF to meet the ERDF waste acceptance criteria are treated. Because hazardous substances will remain onsite above health-based levels in the ERDF disposal cells, a review will be conducted at least once every 5 years after the commencement of remedial actions to ensure that the remedy continues to provide adequate protection of human health and the environment.

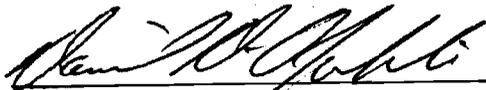
Signature Sheet for the Amendment to the Record of Decision for the USDOE Hanford Environmental Restoration Disposal Facility between the U.S. Department of Energy and the U.S. Environmental Protection Agency, with concurrence by the Washington State Department of Ecology.



David A. Brockman
Manager, Richland Operations
U.S. Department of Energy

7/29/09
Date

Signature sheet for the Amendment to the Record of Decision for the USDOE Hanford Environmental Restoration Disposal Facility between the U.S. Department of Energy and the U.S. Environmental Protection Agency, with concurrence by the Washington State Department of Ecology.



Daniel D. Opalski, Director
Office of Environmental Cleanup
U.S. Environmental Protection Agency

6 August 2009

Date

Signature sheet for the Amendment to the Record of Decision for the USDOE Hanford Environmental Restoration Disposal Facility between the U.S. Department of Energy and the U.S. Environmental Protection Agency, with concurrence by the Washington State Department of Ecology.


Jane Hedges
Program Manager, Nuclear Waste Program
Washington State Department of Ecology

8/6/09
Date

DECISION SUMMARY

USDOE Environmental Restoration Disposal Facility Record of Decision Amendment and Explanation of Significant Differences

I. INTRODUCTION

This document presents an amendment to the Record of Decision (ROD) and Explanation of Significant Differences (ESD) for the Environmental Restoration Disposal Facility (ERDF) at the Hanford Site.

Site Name and Location

U.S. DOE Hanford Environmental Restoration Disposal Facility
Hanford Site – 200 Area
Benton County, Washington

Lead and Support Agencies

The lead agency for this action is the U.S. Department of Energy (DOE). The lead regulatory agency is the U.S. Environmental Protection Agency (EPA). The Washington State Department of Ecology (Ecology) concurs with the ROD Amendment and ESD. The three agencies participated jointly in the decision and preparation of this document.

ERDF ROD Background

The fundamental objective of ERDF is to support the timely removal and disposal of contaminants from various locations within the Hanford Site. Hanford Site remedial action RODs and action memoranda identify ERDF as the location for disposal of resulting waste. The ERDF ROD was signed by the EPA, Ecology, and DOE (the Tri-Parties) in January 1995. An ESD was issued in August 1996. Four amendments to the ERDF ROD have also been issued. The first amendment was signed on September 30, 1997; the second was signed on March 23, 1999; the third was signed on January 31, 2002; and the fourth was signed on May 24, 2007. Public participation and documentation procedures have been followed as specified in *Comprehensive Environmental Response, Compensation, and Liability Act of 1980* (CERCLA) Section 117 and 40 CFR § 300.435(c) (2)(ii).

Basis for the ROD Amendment

The ROD Amendment to add two “super” cells at ERDF for disposal of Hanford Site remediation waste is necessary to support ongoing remediation at the Hanford Site. Remediation volume estimates in final and planned cleanup decision documents support the need for additional disposal capacity. The new cells will provide needed additional waste disposal capacity. The time frame for design and construction of the two new super cells is

approximately 36 months. The additional cells will bring the total capacity of ERDF to 15 million tons.

Basis for Significant Differences

Updated ERDF Cell Design: The ERDF ROD states that the ERDF is a single 21.3-m (70-ft)-deep trench consisting of a series of two side-by-side cells. A change to the ROD is needed to allow use of a single cell in place of the side-by-side configuration described in the ROD. A single “super cell” is equivalent in size to the two-cell configuration. By incorporating the advancements in landfill design that have occurred since ERDF’s inception, ERDF “super cells” are able to accomplish the leachate collection with one sump and one crest pad building that heretofore required two. This will result in substantial cost savings in the construction and the operations of the cells. For the cells utilizing the updated design, operation and short- and long-range maintenance costs will be less per year due to elimination of supporting infrastructure (reduction in the number of leachate collection pumps and crest pad buildings).

Authorization of Additional ERDF Cells: An additional significant change concerns how additional ERDF cells will be authorized. The ERDF ROD specified that expansion of the facility will be authorized by ROD amendments. Change is needed to allow additional ERDF cells to be constructed without delay to support the disposal of Hanford Site remediation waste. Authorization of future additional ERDF cells will be accomplished by issuance of a fact sheet by DOE upon EPA approval that would be placed in the Administrative Record and Information Repositories, rather than the current ROD amendment process identified in the original ERDF ROD. The additional cells will be located entirely within the 4.1-km² (1,024-acre) area selected for ERDF, as defined in the ERDF ROD.

The Tri-Party Agencies support the use of fact sheets to authorize additional expansions within the designated ERDF area as well as utilization of the updated “super cell” design.

Public Involvement

A public notice was placed in the *Tri-City Herald* on May 4, 2009, announcing the availability of the proposed plan (which included the ESD proposal) and the start of the public comment period. Approximately 3,000 copies of a fact sheet describing the proposed amendment and ESD proposal were sent by mail. A public comment period was held from May 4, 2009 through June 3, 2009. No requests were received for a public meeting; therefore, no public meeting was held. The decision to amend the ROD and issue the ESD is based on the Administrative Record for the ERDF. The locations of the Administrative Record and Public Information Repositories are listed below.

Administrative Record

The ROD Amendment and ESD are based on, and will become part of, the Administrative Record for the ERDF, as required by 40 CFR § 300.825(a) (2), and are available to the public at the following locations:

ADMINISTRATIVE RECORD

U.S. Department of Energy, Richland Operations Office
Administrative Record Center
2440 Stevens Center
Richland, Washington 99354

INFORMATION REPOSITORIES (contains ROD Amendment and ESD and other limited documentation)

University of Washington
Suzzallo Library
Government Publications Room
Seattle, Washington 98195

Gonzaga University, Foley Center
E. 502 Boone
Spokane, Washington 99258

Portland State University
Branford Price Millar Library
1875 SW Park Avenue
Portland, Oregon 97207-1151

DOE Public Reading Room
Washington State University, Tri-Cities
2770 University Drive, Room 101L
Richland, Washington 99354

II. SITE HISTORY

In 1988, the Hanford Site was scored using the EPA's hazard ranking system. Based on the scoring, the Hanford Site was added to the National Priorities List (NPL) in July 1989 as four sites: 1100 Area, 100 Area, 200 Area, and 300 Area. Each of these areas was further divided into operable units (i.e., a grouping of individual waste units based primarily on geographic area and common waste sources). These operable units contain contamination in the form of hazardous waste, radioactive/hazardous mixed waste, and other CERCLA hazardous substances.

In anticipation of the NPL listing, DOE, EPA, and Ecology entered into the *Hanford Federal Facility Agreement and Consent Order* (Tri-Party Agreement) in May 1989. This agreement established a procedural framework and schedule for developing, implementing, and monitoring remedial response actions at the Hanford Site. The Tri-Party Agreement also addresses *Resource Conservation and Recovery Act of 1976* (RCRA) compliance and permitting.

In October 1994, DOE published the remedial investigation/feasibility study (RI/FS) for the ERDF (DOE/RL-93-99, Rev. 1). The RI/FS analyzed DOE's overall plan for construction of a disposal facility for remediation waste originating only from the Hanford Site. The ROD issued in 1995 chose one of the alternatives analyzed in the RI/FS and authorized the creation and operation of ERDF accordingly. It also authorized the construction of the first two ERDF cells and required ROD amendments to authorize future expansions (additional cells). The RI/FS and the ROD evaluated the anticipated impacts on the entire ERDF area. Subsequent ROD amendments (as described below) have provided expanded capabilities, but expansion remained within the authorized ERDF area analyzed in the RI/FS and selected in the ROD.

As part of the original ERDF evaluation, a *National Environmental Policy Act of 1969* (NEPA) roadmap (DOE/RL-94-41) was provided to identify where the requisite NEPA elements were addressed. This roadmap provides a "cross-walk" between the normal NEPA elements of an environmental impact statement and the associated CERCLA elements contained in the RI/FS and other CERCLA documents.

The NEPA values evaluated in the original RI/FS and acknowledged in the ROD are applicable to the current proposal to add "super" cells 9 and 10 as well as any future expansion within the area designated for expansion in the ROD. The potential impacts associated with the construction and operation of additional cells remain within the analyses and projections presented in the RI/FS for ERDF.

As previously documented, ecological impacts will occur at the ERDF site as well as the borrow sites used to provide soil and gravel for the liner and cover. These impacts will include destruction of habitat, displacement of wildlife, and disturbance of wildlife along transportation routes from borrow sites to ERDF. Habitat impacts from construction of the new disposal cells will be minimized by locating the additional cells and staging area entirely within the previously selected ERDF site area. Using the lined, deep, single-trench configuration, the disturbed area needed for additional construction of ERDF (including the trench, container handling, material stockpile, and support facilities) will not exceed the maximum of 4.1 km² (1,024 acres) identified in the ERDF ROD. Clearing the expansion areas will be scheduled to prevent impacts during the bird nesting season. Mitigation measures for all additional ERDF cells will be implemented in accordance with the ERDF mitigation action plan. The DOE, in coordination with the Natural Resource Trustees, may review and revise the ERDF mitigation action plan for additional mitigation measures, as appropriate.

Disposal of contaminated material at the ERDF has been chosen as the preferred remedy for much of the waste excavated from numerous Hanford waste sites. The current estimate is that approximately 12.6 million tons of waste from 100 and 300 Area remediation will be disposed at the ERDF. The ERDF has disposed of approximately 8.0 million tons of Hanford Site cleanup waste since the facility started operations in 1996 (an average of 700,000 tons per year). Volume estimates for waste that may originate from the 200 Areas and from CERCLA decontamination and decommissioning (D&D) projects remain unknown at this time.

III. REMEDY SELECTED IN THE ROD

The major components of the selected remedy (as described in the 1995 ERDF ROD) included the following:

- Construction and operation of the first two disposal cells. These cells provided an approximate waste disposal capacity of 1 million yd³. The cells were required to be designed and constructed in accordance with RCRA minimum technology requirements (40 CFR 264, Subpart N). Decisions to expand the landfill in the future are required to be documented by amending the ERDF ROD or as part of the RODs for the Hanford Site operable units.
- The ERDF site will cover a maximum of 4.1 km² (1,024 acres) on the Central Plateau, which is located southeast of the 200 West Area and southwest of the 200 East Area. The initial construction of the facility required 0.65 km² (165 acres) of this area.
- The ERDF is a single 21.3-m (70-ft)-deep trench consisting of a series of two side-by-side cells.
- The ERDF will provide sufficient leachate storage capacity to ensure uninterrupted operations and will comply with the requirements of 40 CFR 264, Subpart N. Leachate collected at the landfill will be managed at the 200 Area Effluent Treatment Facility (located in the 200 East Area) or other approved facility.
- Surface water run-on/run-off will be controlled at the landfill and other areas of the facility that are potentially contaminated. Best management practices to control runoff shall be employed.
- During excavation, suitable soils will be stockpiled at the ERDF site to provide materials for liner systems and for daily interim and closure covers for the landfill. Materials not suitable for construction on the liner and covers will be used for other construction purposes at the Hanford Site to the extent practicable.
- Air monitoring will be accomplished at ERDF by the placement of real-time air monitors for radioactive contaminants and the placement of air samplers for hazardous and radioactive constituent to detect any offsite migration of contaminants.
- Groundwater monitoring will be performed in accordance with 40 CFR 264, Subpart F.
- Appropriate measures to protect facility workers and the public will continue to be employed during ERDF operations, including contamination control, dust mitigation, and protection of personnel from industrial hazards presented by ERDF operations. Protective measures shall comply with applicable requirements found in the *Occupational Safety and Health Act*, *Washington Industrial Safety and Health Act*, and other safety regulations or ERDF-specific safety requirements. The DOE shall also comply with the requirements of 40 CFR § 300.150.

- Existing or planned site road systems will be used for waste transport.
- Waste acceptance criteria will be developed by DOE and approved by EPA in accordance with applicable or relevant and appropriate requirements (ARARs), risk/performance assessments, ERDF-specific safety documentation, and worker protection requirements. Operable unit-specific waste disposal and treatment decisions will be made as part of the remedy selection and cleanup decision process for each operable unit.
- The ERDF landfill will be closed by placing a modified RCRA-compliant closure cover over the waste. Prior to cover construction, closure cover designs will be evaluated and the most appropriate closure cover design will be selected for construction. Construction of the cover will occur on an incremental basis as the trench is expanded. The design will, at a minimum, comply with applicable RCRA requirements found in 40 CFR 264, Subpart N.
- Institutional controls shall be imposed to restrict public access to the landfill.
- Equipment will be available to transport wastes and to operate the ERDF safely.
- Hanford Site infrastructure will be expanded as necessary to support the ERDF. Infrastructure improvements or extensions may include water, sewer, electric power, roads, operations, facilities, and a chemical and fuel storage area.
- A decontamination facility will be constructed consisting of, at a minimum, an impervious pad with a sump, wash water storage, and secondary containment. Wash water used to decontaminate site equipment shall be managed in compliance with appropriate requirements.
- The detailed design will be submitted to EPA for approval (with concurrence from Ecology) prior to construction at the ERDF. At a minimum, the design will be submitted as two packages to allow for construction in phases.
- An operations plan will be submitted to EPA for approval (with concurrence from Ecology) prior to operation of the ERDF.
- Mitigation measures to reduce ecological impacts have been incorporated to satisfy the remedial action objectives identified in Sections 7(4)(i) through 7(4)(v) of the 1995 ERDF ROD. In addition, DOE commits to the development and implementation of a mitigation action plan in coordination with the Natural Resource Trustees for additional mitigation measures.

The ESD to the ERDF ROD, issued in July 1996, made the following changes:

- **Waste Origin Clarification.** Any Hanford Site environmental cleanup waste generated as a result of CERCLA or RCRA cleanup actions (e.g., investigation-derived waste [IDW], D&D waste, and RCRA past-practice waste) is eligible for disposal, provided that the waste meets ERDF waste acceptance criteria and provided that the appropriate CERCLA decision

documents are in place. Additionally, non-process waste (e.g., contaminated soil and debris) generated from closure of inactive RCRA treatment, storage, and disposal units may be placed in ERDF, provided that (1) the units are within the boundaries of a CERCLA or RCRA past-practice operable unit, (2) the closure wastes are sufficiently similar to CERCLA or RCRA past-practice wastes placed in ERDF, (3) ERDF waste acceptance criteria are satisfied, and (4) appropriate CERCLA decision documents are in place. Revision of the RCRA Permit and closure plans may be required.

- **Use of Leachate.** The ERDF leachate may be collected and stored at the ERDF for use within the trench, as appropriate. Appropriate uses of the leachate are limited to dust suppression and waste compaction. The leachate must be sampled prior to use to ensure compliance with land disposal restrictions, ERDF waste acceptance criteria, and other health-based limits (whichever is more restrictive). Leachate in excess of the ERDF's recycling capacity or acceptable contaminant levels will be sent to the Effluent Treatment Facility or another approved facility for management.

A ROD Amendment issued in September 1997 amended the ROD as follows:

- **ERDF Expansion.** The ERDF ROD specifies that expansion of the facility would be authorized on an as-needed basis through the ROD amendment process. Based on the estimated remediation waste volumes presented in the ERDF ROD, additional disposal cells were anticipated. Two additional ERDF cells (cells 3 and 4) were to be constructed for disposal of Hanford Site remediation waste. This first expansion of ERDF is also known as Phase II. Remediation volume estimates in final and planned cleanup decision documents, prepared since the issuance of the ERDF ROD, supported the need for additional disposal capacity. The Phase II construction would be located entirely within the 4.1-km² (1.6-mi²) area selected for ERDF, as defined in the ERDF ROD. The same RCRA design selected for the original ERDF disposal cells would be used for the Phase II cells.
- **Treatment at ERDF.** The selected remedial alternative in existing 100 and 300 Area waste site remediation RODs is removal, treatment (if required), and disposal at ERDF. Treatment is required if the concentration of contaminants in the waste is above land disposal restriction standards found in the federal and state hazardous waste regulations or above the ERDF waste acceptance criteria. This ROD Amendment provides the option of conducting remediation waste treatment at ERDF rather than at the operable unit prior to disposal. This option does not preclude treatment at the operable units. Treatment at ERDF is limited to stabilization and encapsulation in containers. In addition all substantive federal and state requirements governing hazardous waste treatment in containers, such as secondary containment, must be met as part of treatment at ERDF. The decision whether to perform remediation waste treatment and a determination of the specific treatment needed must be documented as part of the remedy selection and remedial design process for the operable unit of the waste site.

A second ROD Amendment issued in March 1999 authorized the delisting of ERDF leachate as follows:

- **CERCLA Leachate Delisting at ERDF.** In order to “delist” the ERDF leachate such that it may be managed at ERDF under CERCLA as nonhazardous waste, it must be demonstrated that the concentrations of hazardous contaminants found in the leachate satisfy the requirement for an exclusion under 40 CFR § 260.22 and do not exceed the criteria for characteristic wastes as defined under 40 CFR 261, Subpart C, and *Washington Administrative Code* (WAC) 173-303-090. In order to confirm that the concentration of hazardous constituents in the leachate continue to be below delisting levels, a sampling and analysis plan supporting the delisting was written and attached to the ROD Amendment. The plan provided detailed information regarding sampling frequency and methodology and also specified analytical methods to be used. The sampling and analysis includes a comparison of leachate sample results with delisting levels. Delisting levels, in general, are based on the original docket values and health-based limits. Ongoing exclusion from management as a hazardous waste is conditioned based on compliance with specified management requirements and based on the leachate meeting the limits established in the ROD Amendment, as demonstrated through the verification sampling program.

A third ROD Amendment was issued in January 2002 that authorized the expansion of the ERDF cells and construction of a waste staging area at ERDF as follows:

- **ERDF Phase III Construction.** The ERDF ROD specifies that expansion of the facility would be authorized as needed through the ROD amendment process. Based on estimated remediation waste volumes presented in the ERDF ROD, additional disposal cells were anticipated. This amendment authorized four additional ERDF cells to be constructed and operated for disposal of Hanford Site remediation waste. The second expansion of ERDF is also known as Phase III. The Phase III construction shall be located entirely within the 4.1-km² (1.6-mi²) area selected for ERDF. The current design of ERDF is a single 21-m (70-ft)-deep trench consisting of pairs of side-by-side cells with final dimensions of 433 m (1,420 ft) long by 219 m (720 ft) wide at the top of the trench. The facility is equipped with RCRA double-liner and leachate collection and recovery system. The same RCRA design selected for the existing ERDF disposal cells shall be used for the Phase III cells. The detailed design shall be submitted to the EPA for approval prior to construction of the ERDF expansion. The Phase III cells will be closed in the same manner as the existing ERDF cells.
- **Remediation Waste Staging at ERDF.** The selected remedial alternative in existing 100 and 300 Area RODs is typically removal, treatment (if required), and disposal at ERDF. Treatment is required if the waste does not meet the ERDF waste acceptance criteria, including land disposal restriction standards found in federal and state hazardous waste regulations. This ROD amendment authorized the option of conducting remediation waste staging at the ERDF rather than at the operable unit prior to treatment and disposal. This ROD amendment allowed the staging of remediation waste at ERDF while awaiting treatment. Treatment would be performed to satisfy the ERDF waste acceptance criteria and comply with land disposal restrictions. The decision whether to perform remediation waste treatment and the specific treatment needed will be documented as part of the remedy

selection and remedial design process for the waste site operable unit. The staging area at ERDF will be designed, constructed, operated, and closed in accordance with RCRA regulations for storage at corrective action management units, as amended by the final rule published in the *Federal Register* on January 22, 2002. The ERDF staging area will be used to hold waste with low-level radionuclide, dangerous waste, and polychlorinated biphenyl (PCB) contaminants. Staging of these wastes will require compliance with the substantive requirements of PCB storage requirements of 40 CFR § 761.65 and Corrective Action Management Unit standards for hazardous waste storage. Low-level radioactive waste management standards, including DOE O 435.1, will be addressed as to-be-considered (TBC) provisions for staging of radioactive waste.

A fourth ROD Amendment issued in May 2007 authorized the disposal of certain Hanford Site waste in storage at ERDF as follows:

- **Acceptance of Other Hanford Waste.** The ROD Amendment authorized the disposal at ERDF of Hanford generated waste in storage listed in Table 1. The use of a plug-in approach for the disposal of other similar Hanford only-generated waste in storage at the ERDF was also authorized in the document. This “plug-in” process allows such other wastes in storage to be authorized for ERDF disposal without an ESD or ROD amendment, upon written EPA approval. DOE is required to issue annual fact sheets on such wastes approved for disposal at ERDF. The primary eligibility requirements for disposal at the ERDF under the “plug-in” approach are that the waste be in storage and similar to a waste identified in Table 1, meet ERDF waste acceptance criteria, comply with land disposal restriction requirements, be generated on the Hanford Site or directly derived from a Hanford generated waste in support of RCRA and CERCLA cleanup actions, be compatible for disposal at ERDF, and not already addressed by a CERCLA decision document. EPA approval must be granted for each individual waste.

IV. DESCRIPTION OF THE SIGNIFICANT DIFFERENCES

The two significant differences are (1) allowing an updated landfill cell design, and (2) authorization of future ERDF cells by the agencies using a fact sheet. DOE shall implement the remedy as modified below.

- **Updated ERDF Cell Design.** The ERDF ROD states that the ERDF is designed as a single 21.3-m (70-ft)-deep trench consisting of a series of two side-by-side cells, each measuring 152 by 152 m (500 by 500 ft) at the base. The current design is two side-by-side cells with final dimensions of 432.8 m (1,420 ft) long by 152.4 m (500 ft) wide at the top of the trench. This ROD design requirement is modified to allow a single “super cell” to be used in place of the double cell side-by-side configuration described in the ROD. A “super cell” is equivalent in size to what has been called two cells in the past. The term “cell” refers to the disposal area, leachate collection sump, and associated piping and crest pad building. By incorporating the advancements in landfill design that have occurred since ERDF’s inception, ERDF “super cells” will now be able to accomplish the leachate collection with one sump and one crest pad building that heretofore required two. The “super cells” will be equipped

with a double liner and a leachate collection and recovery system that meets the requirements for hazardous waste landfills under RCRA (40 CFR 264, Subpart N), as required in the ERDF ROD. The detailed design for such “super cells” is required to be submitted to the EPA for approval prior to construction.

- **Authorization of Additional ERDF Cells.** An additional significant change concerns how additional ERDF cells will be authorized. The ERDF ROD specified that expansion of the facility would be authorized by ROD amendments. This requirement is being changed to allow ERDF cells to be authorized for construction and operation upon EPA approval through the issuance of a fact sheet by DOE. The fact sheet will be placed in the Administrative Record and Information Repositories. This change will allow additional ERDF cells to be constructed as needed to support the disposal of Hanford Site remediation waste. The additional cells will be located entirely within the 4.1-km² (1,024-acre) area selected for ERDF, as defined in the ERDF ROD, and must comply with all ROD requirements for design, construction, and operation. The detailed design for additional ERDF cells shall be submitted to the EPA for approval prior to construction.

The remedial action objectives (RAOs) established for ERDF in the original ROD are limited to the siting and configuration of the waste disposal facility and do not address the remediation of specific contaminated sites. This document authorizes changes to the configuration of the facility; however, the changes allowed under this amendment will meet the ARARs and the RAOs specified in the ROD, as amended.

V. DESCRIPTION OF THE ROD AMENDMENT

DOE shall implement the amended remedy as described below.

This ROD Amendment authorizes the Phase IV expansion of the ERDF. This ROD Amendment does not change any existing ARARs nor add any new ones. Under this amendment, an area equal to four additional ERDF cells or two “super” cells will be constructed and operated for disposal of Hanford Site remediation waste. This cell construction will be located entirely within the 4.1-km² (1,024-acre) area selected for ERDF, as defined in the ERDF ROD.

The cells will be equipped with a double liner and a leachate collection and recovery system that meets the requirements for hazardous waste landfills under RCRA. The detailed design shall be submitted to the EPA for approval prior to construction of the ERDF expansion. The cells will be closed as required by the ROD using the same process as the existing ERDF cells.

Design, construction, and operation of the new ERDF cells must comply with all ROD requirements. The cells will be designed and constructed to the RCRA minimum technical requirements in 40 CFR 264, Subpart N, and will provide sufficient leachate storage capacity to ensure uninterrupted operations. Clearing the expansion areas will be scheduled to prevent impacts during the bird nesting season. To minimize the amount of soil from undisturbed land needed for construction of additional cells, soil excavated during new cell construction will be

used or stockpiled in previously disturbed areas for later use. Mitigation measures for all additional ERDF cells will be implemented in accordance with the ERDF mitigation action plan.

This document authorizes changes to the configuration of the facility; however, the changes allowed under this amendment will meet the ARARs and the RAOs specified in the ROD, as amended. This amendment will not affect the RAOs or the expected outcomes identified in the ROD.

VI. EVALUATION OF ALTERNATIVES FOR ROD AMENDMENT

The NCP establishes nine criteria for evaluating remedial action alternatives in selecting or amending remedies in a ROD or ROD amendment. The nine criteria analysis is not required for significant differences.

The nine criteria are divided into three categories of weighted importance, which include threshold, balancing, and modifying criteria. All remedies must meet the threshold criteria to be considered. The seven balancing and modifying criteria help describe relative differences between the alternatives.

Summary of Alternatives for ROD Amendment

The key elements of each alternative are described and briefly discussed below.

Expansion Alternatives

- **Alternative 1E – No Action.** The no-action alternative consists of not approving the Phase IV expansion of the ERDF trench to accommodate additional waste from remediation and/or from the staging area.
- **Alternative 2E – ERDF Phase IV Construction.** Two additional “super” cells would be constructed and operated in the ERDF area designated for expansion in accordance with ROD requirements to provide additional capacity for ongoing remediation of the Hanford Site.

The previous evaluation of the threshold and balancing criteria in the 1995 ERDF ROD remains applicable to ERDF Phase IV, as supplemented by the discussion below, because the 1995 ROD addressed both the construction of the initial ERDF cells as well as future expansion with area designated for expansion.

Evaluation of Alternatives

1) Overall protection of human health and the environment

Construction of additional ERDF cells will provide needed onsite disposal capacity and would satisfy overall protection of human health and the environment given ERDF’s

protective design and operational requirements, the location away from the Columbia River, and ERDF's distance to groundwater. The no-action alternative would lead to ERDF filling the existing disposal capacity on site, which would result in the need to identify alternative disposal and storage sites for Hanford Site generated waste.

2) Compliance with ARARs

ARARs are unchanged from those specified in the 1995 ROD. The most significant ARARs for Phase IV construction and operation are federal and state hazardous waste landfill requirements. The Phase IV expansion would comply with the ARARs specified in the ERDF ROD, as amended. The no-action alternative would not involve construction and operation of any additional disposal cells. ARARs would be achieved for existing cells.

3) Long-term effectiveness and permanence

Phase IV expansion of the ERDF would provide long-term isolation of waste resulting from remedial actions at the Hanford Site in a RCRA-compliant landfill. The no-action alternative would not provide any additional capacity for waste and therefore no additional long-term effectiveness or permanence at ERDF beyond that already provided.

4) Reduction of toxicity, mobility, or volume through treatment

Wastes to be disposed of in Phase IV expansion of ERDF would be required to be treated as necessary to meet the ERDF waste acceptance criteria. Such treatment of waste prior to disposal at ERDF reduces the toxicity, mobility, or volume. Waste treatment will generally be addressed in the feasibility studies, proposed plans, RODs, and design documents for the individual operable units. The no-action alternative would not provide any additional capacity for waste, and therefore no additional reduction of toxicity, mobility, or volume through treatment would be required under the ERDF ROD.

5) Short-term effectiveness

Environmental risk would be lower than the no-action alternative at ERDF because of its design and operational requirements, the location away from the Columbia River, and the distance to groundwater. Expansion would require additional construction activity and, therefore, would increase short-term risk to workers. The no-action alternative would not involve construction and operation of additional cells and therefore would not increase short-term risk to workers at ERDF.

6) Implementability

Similar to Phases I, II, and III, the Phase IV expansion will be performed using known materials and construction techniques well established by industry and is readily implementable.

7) Cost

The construction costs of the additional ERDF cells have been estimated to be approximately \$22 million for each expansion, \$44 million total (from design through the start of operation).

8) State acceptance

Ecology supports the ERDF Phase IV construction.

9) Community acceptance

Public acceptability was evaluated after the close of the public comment period for the Proposed Plan. Comments were received from one citizen, one state agency, a confederated tribe, and a citizen board as a result of the public comment period. The written comments submitted during the comment period and from presentations to public committees were generally supportive. The comments and responses are detailed in the attached responsiveness summary.

There were two major concerns expressed during the comment period. The first focused on the preparation of a performance assessment (PA) and that the results of the PA should be used to plan for potential impacts to the environment, public health and to the ERDF design.

The second concern recommended the continued use of the ROD Amendment process for future expansions of the ERDF until an updated PA has been completed or for any changes to the ROD requirements, including any fundamental changes to the landfill design.

VII. STATUTORY DETERMINATIONS

The ROD, as amended and modified herein, satisfies CERCLA Section 121. As indicated in the ROD and in this and prior ROD amendments, the selected remedy is protective of human health and the environment, will comply with federal and state requirements (identified in the ROD and subsequent ROD amendments) that are legally applicable or relevant and appropriate, is cost effective, and will use permanent solutions to the maximum extent practicable. Because hazardous substances will remain on site above health-based levels in the ERDF disposal cells, a review will be conducted at least every 5 years after the commencement of remedial actions to ensure that the remedy continues to provide adequate protection of human health and the environment.

Treatment of remediation wastes will continue to be addressed as part of the operable unit decisions. The statutory preference for treatment as a principal element will be satisfied when wastes that require treatment to meet ERDF waste acceptance criteria are treated before being disposed of in ERDF.

VIII. PUBLIC PARTICIPATION COMPLIANCE

Public participation requirements for this ROD Amendment and ESD specified in CERCLA Section 117 and 40 CFR § 300.435(c)(2)(ii) have been met as described in Section I above. DOE and EPA reviewed all written and verbal comments submitted during the public comment period and prepared a Responsiveness Summary, included below as Section IX.

The major concerns expressed during the public involvement process focused on the preparation of a performance assessment (PA) and that the results of the PA are used to plan for potential impacts to the environment, public health and to the ERDF design.

The agencies responded to these concerns by agreeing to prepare the PA with performance objectives consistent with both DOE O 435.1 and environmental regulations (CERCLA/RCRA technical requirements), including the points of compliance and maximum contaminant levels (MCLs) prior to additional expansion of the ERDF beyond cells 9 and 10. DOE will submit a schedule for the PA and begin collecting data in fiscal year 2010.

The Agencies also plan to use the ROD Amendment process for future expansions of the ERDF until an updated PA has been completed. Once the PA is completed, a fact sheet will issued for future expansions. However, if there are changes to the ROD requirements or fundamental changes to the landfill design then the ROD Amendment process would be utilized.

IX. RESPONSIVENESS SUMMARY

**U.S. Department of Energy
Environmental Restoration Disposal Facility
Hanford Site
Benton County, Washington
Amended Record of Decision**

Introduction

This responsiveness summary was prepared in accordance with the requirements of Section 117 of CERCLA, as amended. The purpose of this responsiveness summary is to summarize and respond to significant public comments on the Proposed Plan for an Amendment to the January 1995 ERDF ROD. The Proposed Plan for an Amendment, issued on May 4, 2009, identified proposed changes to components of the remedy set forth in the January 1995 ERDF ROD.

The Tri-Parties announced the issuance of the proposed plan in the community newspaper, the *Tri-City Herald*. A 30-day comment period was provided for the public to read the Proposed Plan, review the documents in the Administrative Record, and submit written comments. No requests were made for a public meeting; therefore, no meeting was held. The Proposed Plan summarized alternatives and proposals for ERDF expansion and changes to the design, as well as a proposal for a new method for approving future ERDF expansions.

Community Involvement

A newspaper notice placed in the *Tri-City Herald* on May 3, 2009, provided a brief analysis of the Proposed Plan and announced the availability of the Proposed Plan and the start of the public comment period. Approximately 3,000 copies of the fact sheet describing the Proposed Plan were sent by mail. A public comment period was held from May 4, 2009 to June 3, 2009. No requests were received for a public meeting; therefore, no public meeting was held.

Comments and Responses

The DOE received written comments from one citizen and one state agency during the public comment period. The comments, along with responses, are summarized below.

A.1. I was on the site of the cells mentioned in the Fact Sheet I just received. Looking at the aerial photograph, it appears that there is no separation between each of the 8 original cells. Nor do I remember any separation walls. Am I correct? If so, wouldn't the Super cells just be an extension of the current cells?

Response: There are no walls or physical separations between the existing cells; however, what may not be visible from the aerial photograph is the slope of the cell floor. The super cell design extends the facility using similar methods as past expansions.

B.1 Oregon recognizes the critical role of ERDF in Hanford's clean-up efforts and waste management and supports expansion of ERDF so long as it can be done in a manner protective of human health and the environment now and in the future. Therefore, Oregon supports the *Proposed Amendment to the Environmental Restoration Disposal Facility Record of Decision* (ROD) by the Tri-Parties to allow the planned expansion of ERDF into the next two "super cells" (cells 9 and 10).

Response: Comment noted.

B.2. However, we disagree with the proposed change to the ROD to provide authorization for construction of the remainder of the cells as more capacity is needed within the 1,024 acre design with no further ROD amendments. We believe that the performance assessment (PA) for ERDF must be completed and the Tri-Parties need to thoroughly review the status of waste inventories at ERDF – relative to existing waste limits for the facility – before proposing additional expansion of ERDF beyond cells 9 and 10.

Response: DOE will perform an update to the PA prior to additional expansion of the ERDF beyond cells 9 and 10.

B.3. Additionally we recommend that the Tri-Parties use the formal ROD amendment and comment process for any substantive future changes to the facility design, such as changes in cell design, alignment, or modification of the waste acceptance criteria (WAC).

Response: The DOE will continue to use the ROD amendment process for any fundamental changes to the ROD requirements. Modifications to the WAC that do not constitute changes to ROD requirements will be subject to approval by the EPA (and consultation by the Washington State Department of Ecology), and compliant with the process established in the original ERDF ROD.

B.4. The concentrations of some key contaminants in ERDF's leachate are increasing. The leachate concentration of uranium has been recorded at 2,100 pCi/L (about 70 times the maximum contaminant levels); is on the increase; and raises concerns about the potential for leachate eventually reaching groundwater. These high concentrations suggest that uranium in the waste is substantially more soluble and more mobile in Hanford's soils and wastes than was previously believed. Because the concentration of uranium in the leachate is higher than was expected, Oregon strongly urges that the Tri-Parties, before considering a final authorization for expansion beyond cells 9 and 10:

- (1) reexamine the CERCLA / PA limits for uranium, technetium 99, carbon 14 and iodine 129,
- (2) reevaluate the waste inventory placed in ERDF to date, and
- (3) reconsider pre-treatment of material to be put in ERDF to remove or more effectively immobilize the elements that pose a potential of exceeding the limits in the future.

Response: The RI/FS evaluated the potential impacts from uranium in leachate using the partition coefficient $K_d = 0$ which represents the highest mobility of the radionuclide in soil and the current levels are consistent with the results of the evaluations performed. The leachate is collected in the leachate collection system within the ERDF cell and transported to the Effluent Treatment Facility for treatment.

The radionuclides listed are not contained in all wastes received at the ERDF; therefore, the volume of the waste accepted does not translate directly into an inventory for a specific radionuclide. The PA will evaluate these three elements as part of the process. The re-evaluation of the existing inventory will be part of the PA. Pre-treatment of waste streams is routinely evaluated on a case-by-case basis when significant inventories of key radionuclides are identified.

B.5. The Tri-Parties should create a tracking and planning tool for key contaminants (a cumulative record for each key contaminant, such as uranium, technetium-99, carbon-14 and iodine-129). This tool would be employed to demonstrate how much of ERDF's capacity for certain contaminants in the wastes have been consumed and how much remains. To date, ERDF has filled a small fraction of the total volume originally sited. It appears likely that ERDF's ultimate capacity may be limited more by the inventories of key radionuclides, rather than the volume of wastes disposed. The current inventory of these key radionuclides already in ERDF exceeds 60- 70 percent of the ultimate capacity of the landfill based on the current PA risk assessment limits.

Response: Key contaminants are currently tracked and a recent evaluation of the original PA indicates that the inventory limits for these key radionuclides would increase. The ROD did not require the PA nor did it specify inventory limits. The requirement for a PA is found in DOE O 435.1; however, CERCLA exceptions in the order did not require the PA as part of the approval of the ERDF facility which was authorized under CERCLA. Separate from the original ROD requirements, the PA was performed to assist the ERDF in planning for incoming wastes. The ERDF WAC provides radionuclide concentration limits for incoming wastes to ensure wastes with higher concentrations of the listed radionuclides are evaluated on a case by case basis prior to disposal. The current plan is to prepare the PA utilizing the processes and performance objectives consistent with both DOE O 435.1 and CERCLA/RCRA technical requirements. DOE plans for waste disposal needs, including an evaluation of radionuclide inventories provided by the generators, as far in advance as possible.

B.6. ERDF is now operated such that leachate is sampled from a common collection tank before the leachate is piped to disposal. Samples should be collected from individual cells so that unanticipated peaks in contaminants could be tracked to individual problem areas within the ERDF cells.

Response: The ERDF Leachate Sampling and Analysis Plan requires the collection of representative samples of the leachate as part of the routine monitoring program. These samples may be taken from the leachate collection tanks, or from the leachate sump crest pads (individual cells). Currently the representative leachate samples are taken from the leachate collection tanks;

however, if operating conditions change or the detection monitoring system indicates there are individual problems areas then more focused sampling would be performed.

B.7. Landfill liners and caps will eventually fail and there is no reason to believe ERDF will be an exception. We encourage the Tri-Parties to begin now to plan for response to any detected failure of ERDF's containment. As one facet of this effort we recommend installation of under-cell, below-membrane leak detection monitors in future cells to provide early warning of leachate leaks into the vadose zone beneath the facility.

Response: Evaluations of the leachate collection system and volumes of leachate collected are performed on a routine basis to proactively look for indications of a problem, consistent with substantive requirements of RCRA regulations for hazardous waste landfills. ERDF has incorporated an under-cell, below-membrane leak detection system into the design of the past four cells, 5 through 8, and will include this element into the design of cells 9 and 10. The post-closure plan will address monitoring, maintenance, and repair of the ERDF containment system.

B.8. DOE should complete the ERDF performance assessment in consultation with the U.S. Environmental Protection Agency and the Washington Department of Ecology, by incorporating more of the recently acquired understanding of preferential transport through the vadose zone and groundwater, and of the higher solubility and mobility of uranium in Hanford soils. The Tri-Parties should together consider the timing, modes of occurrence and consequences of the release of wastes to the vadose zone through ERDF's liner and barrier systems. Based on this release, the Tri-Parties should reconsider needed reactions to leaks, possible changes in the design of the facility, and possible treatment of wastes entering the facility to assure that the facility continues to be protective of human health and the environment.

Response: The PA will be prepared using the current understanding of site conditions, current modeling techniques and with performance objectives consistent with DOE O 435.1 and CERCLA/RCRA technical requirements. Based on the results of the PA, DOE will evaluate the needed reactions to leaks, possible changes in the design of the facility, and possible treatment of wastes entering the facility to assure that the facility continues to be protective of human health and the environment.

B.9. Modeling for ERDF should seek to minimize groundwater contamination, not "model up to the limit."

Response: Modeling performed as part of the PA will be consistent with both DOE O 435.1 and CERCLA/RCRA technical requirements. The modeling parameters and methods are based on technical and scientific methodology and do not model up or down to limits.

B.10. Results of habitat mitigation for the most recent expansion at ERDF have been discouraging. We recommend that DOE commit to a more robust mitigation design and that it adopt success criteria for mitigation to insure replanting in the event of future failures. Oregon supports continued coordination between the Tri-Parties and the Hanford Natural Resource Trustee Council to insure effective early (and likely less expensive) mitigation for habitat impacts caused by ERDF's continuing construction.

Response: DOE has performed mitigation consistent with the *Revised Mitigation Action Plan for the Environmental Restoration Disposal Facility*, DOE/RL-2005-27, Rev. 0 (MAP). The 1995 CERCLA ROD documents the U.S. Department of Energy's (DOE) commitment to develop and implement a MAP to reduce ecological impacts associated with ERDF. Consistent with the DOE *Secretarial Policy on the National Environmental Policy Act* and DOE O 451.1B, Change 1, "National Environmental Policy Act Compliance Program," To ensure the NEPA values were adequately addressed, this MAP was developed consistent with the provisions of DOE's "National Environmental Policy Act Implementing Procedures; Mitigation Action Plans."

Monitoring of the compensatory mitigation areas has been performed annually, and after the vegetated area stabilizes, typically 3 to 5 years, the area is evaluated to the performance standard. The performance standard for revegetation efforts will be a 50% survival of planted shrubs. The most recent mitigation was performed in 2007. Once the plant population has stabilized it will be evaluated against the performance standard in the MAP and deficiencies will be addressed.

To ensure robust mitigation designs, all ERDF mitigation projects have been brought forth and presented to the NRTC for comment, input, or alternatives. DOE will continue to work with the Tri-Parties and the Hanford Natural Resource Trustee Council on mitigation measures.

C.1. DOE should complete and update the ERDF performance assessment in consultation with EPA and the Washington State Department of Ecology (Ecology), in an open and transparent process, using the new understanding of transport through the vadose zone, and solubility and mobility of uranium.

Response: The RI/FS evaluated the potential impacts from uranium in leachate using the partition coefficient $K_d = 0$ which represents the highest mobility of the radionuclide in soil.

The PA will evaluate uranium and other radionuclides as part of the process. The current plan is to prepare the PA utilizing the processes and performance objectives consistent with both DOE O 435.1 and CERCLA/RCRA technical requirements, addressing exposure pathways and compliance with regulatory criteria.

C.2. The PA should not be delayed while awaiting completion of the Tank Closure & Waste Management Environmental Impact Statement (TC&WM EIS), nor be dependent on the TC&WM EIS.

Response: DOE-RL has directed the contractor to update the ERDF PA. In fiscal year 2010, DOE will submit a schedule for the PA and begin collecting data. The PA should be consistent with other site wide modeling efforts and therefore can only be partly independent from other similar activities.

C.3. In preparing the PA, DOE should consult with EPA and Ecology to insure inclusion of, and consistency with, the technical requirements in the environmental regulations; for example, including the points of compliance and Maximum Contaminant Levels for constituents in groundwater

Response: The current plan is to prepare the PA with performance objectives consistent with both DOE O 435.1 and environmental regulations (CERCLA/RCRA technical requirements), including the points of compliance and maximum contaminant levels (MCLs).

C.4. The Tri-Party Agencies should work together to evaluate the modes and consequences when ERDF's liner and barrier systems ultimately release wastes to the vadose zone and to groundwater.

Response: The PA will be prepared using the current understanding of site conditions, current modeling techniques, and with performance objectives consistent with DOE O 435.1 and CERCLA/RCRA technical requirements. Based on the results of the PA, DOE will evaluate the needed reactions to leaks, possible changes in the design of the facility, and possible treatment of wastes entering the facility to assure that the facility continues to be protective of human health and the environment.

C.5. Based on these evaluations, the Tri-Party Agencies should implement actions and/or changes in the design of the facility needed to mitigate these future releases. These actions could include the treatment of wastes entering the facility to minimize future contaminant releases, thus ensuring long-term protection of human health and the environment.

Response: Treatment of wastes entering the facility will be evaluated against the outcome of the updated PA ensuring long-term protection of human health and the environment. At this time, the ERDF design and operation is in accordance with substantive provisions of RCRA and compliance with the ERDF waste acceptance criteria are believed to be sufficient to protect against unacceptable future releases. However, if the revised PA indicates any changes to the ERDF facility or operation are necessary to mitigate potential releases, the recommended actions will be discussed with EPA and appropriate measures pursued in future cell designs.

C.6. The Tri-Party Agencies should create an inventory tracking and planning tool for assessing all site wastes that are intended to be disposed in ERDF and those key contaminants (e.g., technetium-99, carbon-14, iodine-129 and uranium) which may limit the contaminant inventory allowable in ERDF. This tool should provide a running summary of how much of ERDF's capacity has been consumed and how much remains available for all waste and for each key contaminant. To ensure environmental protection, DOE should create a system model to predict when treatment or development of treatment of subsequent incoming key contaminants should be performed. For example, for technetium, additional treatment technologies may need to be developed.

Response: These key contaminants are currently tracked and a recent evaluation of the original PA indicates that the inventory limits for these key radionuclides would increase. The ROD did not require the PA nor did it specify inventory limits. The requirement for a PA are found in DOE O 435.1; however, CERCLA exceptions in the order did not require the PA as part of the approval of the ERDF facility, which was authorized under CERCLA. Separate from the ROD requirements, the PA was performed to assist the ERDF in planning for incoming wastes. The ERDF waste acceptance criteria provide radionuclide concentration limits for incoming wastes to ensure wastes with higher concentrations of the listed radionuclides are evaluated on a case-by-

case basis prior to disposal. The current plan is to prepare the PA utilizing the processes and performance objectives consistent with both DOE O 435.1 and CERCLA/RCRA technical requirements. DOE plans for waste disposal needs, including an evaluation of radionuclide inventories provided by the generators, as far in advance as possible.

C.7. The Board advises that the Tri-Party Agencies should use the formal ROD amendment and comment process for any expansion of ERDF that involves substantive changes to the facility design.

Response: The DOE will continue to use the ROD amendment process for any fundamental changes to the ROD requirements.

C.8. The Board supports the proposal by the TPA Agencies to allow planned expansion of ERDF within the design basis as capacity is needed, provided the issues noted above are addressed.

Response: Comment noted.

D.1. Since the PA was performed so long ago (in 1994), we believe that a simple ESD is not adequate for an open-ended expansion. Indeed, it is time for a full 5-year review. A new combined risk assessment/performance assessment is needed, using current knowledge about present and future inventories, barrier performance, transport, and tribal scenarios. This process needs full stakeholder and NRC participation, and should provide all the information needed under CERCLA, RCRA, MTCA, and DOE Orders. Because future ERDF inventories are unknown, the maximum future potential inventory must be included in the assessment.

Response: The last CERCLA 5-year review was completed November 10, 2006 (DOE/RL-2006-20, under record ascension number DA04570094). The next 5-year review is scheduled to occur in 2011, in accordance with the CERCLA-specified time frame.

At this time, the ERDF design and operation is in accordance with substantive provisions of RCRA and compliance with the ERDF waste acceptance criteria are believed to be sufficient to protect against unacceptable future releases. However, if the updated PA indicates any changes to the ERDF facility or operation are necessary to mitigate the impacts of potential releases, the recommended actions will be discussed with the agencies and appropriate measures pursued. The current plan is to prepare the PA utilizing the processes and performance objectives consistent with both DOE O 435.1 and CERCLA/RCRA technical requirements, addressing exposure pathways and compliance with regulatory criteria.

D.2. Since future ERDF expansion will move toward US Ecology, which has already leaked and created groundwater plumes of solvents and radionuclides, an alternative that considers combining the two sites is needed. Since DOE will have to do this for a CP-Inner Area RI/FS within the next 2-3 years, it would save DOE money to start it now. In fact, a single Central Plateau human health risk assessment is urgently needed, and must include all waste sites, tanks, canyons, US Ecology, and all other sites where any residual waste remains at any depth.

When doing this analysis, the CTUIR must know what risks would be posed to traditional uses as described in our original exposure scenario, and also for hunting-gathering surface uses (up to 15 feet deep). We suggest a technical workshop to discuss scenarios, depth, pathways, spatial integration, cumulative impacts, inventories, data quality and quantity, closure criteria, institutional control assumptions, barrier design, future risks, and related issues that will affect long-term protection of human health and the environment.

Response: The Tri-Parties are currently negotiating the overall 200 Area completion strategy. Consistent with the final strategy many of these elements will be addressed through the processes utilized to develop the required documents. This includes the public involvement process, public meetings, and request for comments.

D.3. The Tri-Parties propose updating the landfill cell design. We concur with this, and request that an upgraded design for both the liner and the cap be discussed in more depth with our staff, the NRTC, and the broader Hanford community. We further request that the US Ecology cap and other caps be discussed at this workshop. This is particularly important since the early ERDF cells are already leaking, and the concentrations of some contaminants in ERDF's leachate are already 70 times the drinking water standard and increasing.

Response: The statement that “early ERDF cells are already leaking” is incorrect. There are no known liner failures in the cells, nor has the detection monitoring system identified any adverse impacts to the environment from the operation of the ERDF. The ERDF ROD requires ERDF design and operation to be in accordance with substantive RCRA requirements for landfills. These requirements in combination with ERDF waste acceptance criteria, which limit what can be placed in ERDF, are believed to be sufficient to protect against releases from ERDF that would pose an unacceptable risk to human health or the environment. Evaluations of the leachate collection system and volumes of leachate collected are performed on a routine basis to proactively look for indications of a problem with the integrity of the disposal cells. Observed leakage rates into the ERDF leachate collection system do not exceed the action leakage rate allowed for RCRA hazardous waste landfills. The leachate collection and removal system between the liners, and immediately above the bottom composite liner (high-density polyethylene liner and clay barrier) is also a leak detection system (LDS). The LDS is capable of detecting, collecting and removing liquids. Additionally, ERDF has an approved response action plan that would be implemented in the event that the approved action leakage rate was ever exceeded. The detection monitoring system includes groundwater monitoring, leachate monitoring, and air monitoring systems.

The ERDF ROD states that the ERDF is designed as a single deep trench consisting of a series of two side-by-side cells. The design change is limited to allow a single “super cell” to be used in place of the double cell side-by-side configuration described in the ROD. A “super cell” is equivalent in size to what has been called two cells in the past. The term “cell” refers to the disposal area, leachate collection sump, and associated piping and crest pad building. The “super cells” will be equipped with a double liner and a leachate collection and recovery system that meets the requirements for hazardous waste landfills under RCRA (40 CFR 264, Subpart N), as required in the ERDF ROD. The proposed design changes are available for review at the

Hanford Tri-Party Agreement Public Information Repositories and referenced in the proposed plan.

The RI/FS evaluated the potential impacts from uranium in leachate (70 times the drinking water standard) and the current levels are consistent with the evaluations performed. The leachate is collected in the leachate collection system within the ERDF cell and transported to the Effluent Treatment Facility for treatment.

US Ecology site and other caps are not subject of this action and need to be addressed separately under the regulatory documents of the specific facility.

Comment: How is DOE going to remediate the leaky cells?

Response: As noted in the previous response, the statement that “early ERDF cells are already leaking” is incorrect.

Comment: How is DOE going to ensure that a new cap design is better than the original design which has already failed?

Response: This comment is factually incorrect. The ERDF cap has not been installed at this time. There have been no changes proposed pertaining to the ROD requirements for a cap on the ERDF disposal cells. The interim cover over cells 1 and 2 is currently being constructed. The final cap design will be compliant with RCRA minimum technical requirements (40 CFR 264, Subpart N).

D.4. ERDF is composed of a series of cells and has been expanded several times in the past, with each past expansion requiring a separate amendment to the Record of Decision (ROD). The TPA Agencies now seek to issue another amendment for the ROD for two new super-cells (double-sized cells), and to approve all future expansions through a less formal process (merely using fact sheets). The Tri-parties also propose to use the currently-proposed ESD as a blanket authorization of all future expansions. We **do not concur** with this part of the proposal unless that maximum future inventory forms the basis for the new risk and performance assessment and unless we are involved in the actual risk & performance assessment.

Response: The current plan is to prepare the PA with performance objectives consistent with both DOE O 435.1 and CERCLA/RCRA technical requirements, addressing exposure pathways, and compliance with regulatory criteria. The PA will evaluate the maximum concentration of radionuclides in the waste and the waste acceptance criteria will be revised accordingly. Modifications to the waste acceptance criteria will be subject to approval by the EPA (and consultation by the Washington State Department of Ecology), consistent with the process established in the original ERDF ROD.

DOE O 435.1 specifies the requirement for the PA which does not include a public review and comment period.

D.5. Finally, we are unsatisfied with the natural resource protection process. The TPA Agencies are not coordinating effectively with the Hanford Natural Resource Trustee Council (HNRTC) on resource disturbances, mitigation planning and implementation, borrow areas, or reclamation-revegetation. Low mitigation ratios and poor success of the most recent mitigation have resulted in substantial net loss of habitat from construction of ERDF, and represent injury to natural resources under Natural Resource Damage Assessment (NRDA).

Response: DOE has performed mitigation consistent with the *Revised Mitigation Action Plan for the Environmental Restoration Disposal Facility*, DOE/RL-2005-27, Rev. 0 (MAP). The 1995 CERCLA ROD documents the U.S. Department of Energy's (DOE) commitment to develop and implement a MAP to reduce ecological impacts associated with ERDF. Consistent with the DOE *Secretarial Policy on the National Environmental Policy Act* and DOE O 451.1B, Change 1, "National Environmental Policy Act Compliance Program," To ensure the NEPA values were adequately addressed, this MAP was developed consistent with the provisions of DOE's "National Environmental Policy Act Implementing Procedures; Mitigation Action Plans."

Monitoring of the compensatory mitigation areas has been performed annually and after the vegetated area stabilizes, typically 3 to 5 years, the area is evaluated to the performance standard. The performance standard for revegetation efforts will be a 50% survival of planted shrubs. The most recent mitigation was performed in 2007. Once the plant population has stabilized it will be evaluated against the performance standard in the MAP and deficiencies will be addressed.

To ensure robust mitigation designs, all ERDF mitigation projects have been brought forth and presented to the NRTC for comment, input, or alternatives. DOE will continue to work with the Tri-Parties and the Hanford Natural Resource Trustee Council on mitigation measures.

Enclosure III



STATE OF WASHINGTON
DEPARTMENT OF HEALTH
OFFICE OF RADIATION PROTECTION

111 Israel Road SE • PO Box 47827 • Olympia, Washington 98504-7827
TDD Relay Services: 1-800-833-6388

July 9, 2008

Mr. Jose Franco, Assistant Manager
U.S. Department of Energy, River Corridor
P.O. Box 550; MSIN A3-04
Richland, Washington 99352

Dear Mr. Franco:

I am writing this letter to express the state of Washington's interest in the Environmental Restoration & Disposal Facility's (ERDF) spoils piles from the excavation of ERDF cells 7 and 8. The state can use these soils in the lower layers of the cover at the commercial low-level radioactive waste (LLRW) disposal site, operated by US Ecology, Inc., east of the ERDF site.

Current disposal site cover design estimates require approximately 800,000 cubic yards of material similar to the ERDF soil. We understand that the two spoils piles at ERDF contain approximately 1.2 million cubic yards of potentially acceptable soil, with about 400,000 cubic yards stored where cells 9 and 10 will be. After contract/MOU terms are agreed to, I propose:

1. Using whatever legal instrument is needed to shield the Department of Energy (and its ERDF contractor, Washington Closure Hanford) from liability involved in moving the material from ERDF to above the closed trenches at US Ecology.
2. Removing as much material as available/needed by our design for the cover at the US Ecology LLRW disposal site, starting as early as December 2008, and no later than February 2009.
3. Since the US Ecology site is on a federal-state 99-year lease expiring in 2063, surplusing of the soil should not be required (simple transfer from one part of the Hanford site to another part).
4. Completing the soil movement not later than December 2009.
5. Utilizing a third-party hauler under a state contract or allowing US Ecology to move/contract to move the soil.

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DOE-RLCC



Mr. Jose Franco, Assistant Manager
Page Two

6. Health agrees to address any requirements/restrictions (e.g., safety requirements, wind restrictions, weight restrictions on road between ERDF and US Ecology) that may come up during negotiations.

I believe this is a unique opportunity for the Department of Health to partner with the U.S. Department of Energy to ensure protection of public health and the environment. I look forward to meeting with you on July 14, 2008.

Sincerely,



Gary Robertson, Director
Office of Radiation Protection

cc: Earl Fordham, DOH Richland
Dave Einan, USEPA Richland

Koeller, Pamela J

From: Robertson, Owen Jr [Owen_Jr_Robertson@RL.gov]
Sent: Thursday, April 15, 2010 1:25 PM
To: Fordham, Earl
Cc: Owen Robertson; Melvin, William F; Kisenwether, Thomas F
Subject: RE: ERDF dirt for US Ecology

Earl,

Tell Greffin to go get the soil. They don't need an MOU or anything like that. DOE has signed the property transfer form and you've signed it for DOH. The soil is available to US Ecology whenever they want it.

They should contact Bill Melvin at 373-9173 as Kisenwether is no longer assigned to this project.

Thanks,
Owen

From: Fordham, Earl W (DOH) [mailto:Earl.Fordham@DOH.WA.GOV]
Sent: Tuesday, April 13, 2010 9:55 AM
To: Robertson, Owen Jr; Kisenwether, Thomas F
Subject: ERDF dirt for US Ecology
Importance: High

Hello Owen and Tom,

Doug Greffin, US Ecology QA manager, attempted to talk with ERDF folks about the MOU needed to retrieve the dirt. He reported back to me that ERDF managers were either unknowing or developing cold feet. Do we have remaining issues to talk through? I suspect since this project has taken so long to get to this point, we have some loss of knowledge going on.

Please let me know if we need to have a meeting at US Ecology (or elsewhere) to bring all folks up to speed.

Thanks,

Earl

Koeller, Pamela J

From: Kisenwether, Thomas F
Sent: Tuesday, April 13, 2010 11:55 AM
To: Armatrout, Jeffrey F; Borlaug, William A
Subject: FW: ERDF dirt for US Ecology
Importance: High
Follow Up Flag: Follow up
Flag Status: Completed

Yours

From: Fordham, Earl W (DOH) [mailto:Earl.Fordham@DOH.WA.GOV]
Sent: Tuesday, April 13, 2010 9:55 AM
To: Robertson, Owen C; Kisenwether, Thomas F
Subject: ERDF dirt for US Ecology
Importance: High

Hello Owen and Tom,

Doug Greffin, US Ecology QA manager, attempted to talk with ERDF folks about the MOU needed to retrieve the dirt. He reported back to me that ERDF managers were either unknowing or developing cold feet. Do we have remaining issues to talk through? I suspect since this project has taken so long to get to this point, we have some loss of knowledge going on.

Please let me know if we need to have a meeting at US Ecology (or elsewhere) to bring all folks up to speed.

Thanks,

Earl



Department of Energy
Richland Operations Office
P.O. Box 550
Richland, Washington 99352

08-AMRC-0244

SEP 23 2008

Mr. E. W. Fordham, Eastern Regional Deputy
Director, Radiation Protection
State of Washington
Department of Health
309 Bradley Blvd, Suite 201, B1-42
Richland, Washington 99352

**ENVIRONMENTAL RESTORATION DISPOSAL FACILITY (ERDF) SOIL DATA AS
REQUESTED BY U.S. ECOLOGY**

As requested in a U.S. Ecology letter from M. Ault to me, same subject, dated August 20, 2008, (attachment 1) we have provided the list of files as listed in the attached Table (attachment 2). This data was collected by our independent Construction Quality Assurance (CQA) contractor during the construction of previous cells and from current constructions activities. Some of the soils data requested by U.S. Ecology is not part of our CQA requirements and therefore the tests required to collect this data was not performed.

If you have questions, please contact me or your staff may contact Owen Robertson, of my staff, on (509) 521-1045.

Sincerely,

Joe R. Franco, Assistant Manager
for the River Corridor

AMRC:OCR

Attachments

cc w/attachs:
D. R. Einan, EPA

cc w/o attachs:
B. C. Covert, WCH

USEcology Washington, Inc.

an American Ecology company

1777 Terminal Drive
Richland, Washington 99354

August 20, 2008

Joe Franco, Assistant Manager for the River Corridor
U.S. Department of Energy
A3-O4
825 Jadwin Ave
Richland, Wa 99352

Dear Mr. Franco,

US Ecology Washington, Inc. is requesting assistance from the U.S. Department of Energy, (DOE) to obtain any existing ERDF soil property data that may be available. If such data are available, we would like to determine if the data can be provided for the purpose of determining if ERDF spoils soil can be used as a component in the US Ecology final cover. US Ecology is interested in hydrologic properties soil data such as standard Proctor compaction, saturated hydraulic conductivity, moisture retention characteristic curve, grain-size distribution, specific gravity, and Atterberg limits.

We understand that information security is an important issue at the DOE Hanford site and we hope that security issues will not be an obstacle to release of the data that may be available. This data will only be used by US Ecology Washington, Inc. and our design engineering firm Daniel B. Stephens & Associates, Inc. and will not be released to any other organization without DOE approval.

If you have any questions concerning this request or need any additional information, please contact me at (509) 377-2411.

Sincerely,



Michael Ault
Facility Manager

CC: T. Kisenwether (Washington Closure Group)
D. Greffin

File Number	Description	Title
H-6-15889 SHT1 REVO - 0600X-DD-C0309.pdf	Dwg. 0600X-DD-C0309	ERDF Cells 7-10 Soil Boring Logs-1
H-6-15890 SHT1 REVO - 0600X-DD-C0310.pdf	Dwg. 0600X-DD-D0310	ERDF Cells 7-10 Soil Boring Logs-2
H-6-15891 SHT1 REVO - 0600X-DD-C0311.pdf	Dwg. 0600X-DD-C0311	ERDF Cells 7-10 Soil Boring Logs-3
H-6-15892 SHT1 REVO - 0600X-DD-C0312.pdf	Dwg. 0600X-DD-C0312	ERDF Cells 7-10 Soil Test Pit Logs-1
H-6-15893 SHT1 REVO - 0600X-DD-C0313.pdf	Dwg. 0600X-DD-C0313	ERDF Cells 7-10 Soil Test Pit Logs-2
H-6-15895 SHT1 REVO - 0600X-DD-C0315.pdf	Dwg. 0600X-DD-C0315	ERDF Cells 7-10 Soil Test Pit Logs-3
BF-10-MP.xls	Standard & Modified Proctor	ERDF Cells 5-6, Sample date 12/5/03
BF-10-USCS.xls	Soil Classification Data	ERDF Cells 5-6, Sample date 12/8/03
BF-11-MP.xls	Standard & Modified Proctor	ERDF Cells 5-6, Sample date 12/9/03
BF-11-USCS.xls	Soil Classification Data	ERDF Cells 5-6, Sample date 12/9/03
SF-04 Class.xls	Soil Classification Data	ERDF Cells 7-8, Sample date 3/21/08
SF-04 Proctor.xls	Standard & Modified Proctor	ERDF Cells 7-8, Sample date 3/19/08
SF-05 Class.xls	Soil Classification Data	ERDF Cells 7-8, Sample date 3/26/08
SF-05 Proctor.xls	Standard & Modified Proctor	ERDF Cells 7-8, Sample date 4/4/08
SF-06 Class	Soil Classification Data	ERDF Cells 7-8, Sample date 4/9/08
SF-06 Proctor	Modified Proctor	ERDF Cells 7-8, Sample date 4/9/08

Enclosure IV

Koeller, Pamela J

From: Kisenwether, Thomas F
Sent: Thursday, June 17, 2010 3:11 PM
To: Koeller, Pamela J
Subject: FW: DOE Request for Soil Data
Attachments: DOE Request for Soil Data.pdf

this may never end

From: Kisenwether, Thomas F
Sent: Wednesday, August 20, 2008 9:23 AM
To: Robertson, Owen C; Sands, John P
Cc: Covert, Bruce C; Feaster, Scott L
Subject: FW: DOE Request for Soil Data

We will wait for your direction on this.

From: Carla Watson [mailto:cwatson@usecology.com]
Sent: Wednesday, August 20, 2008 8:25 AM
To: Franco, Joe R
Cc: Douglas Greffin; Kisenwether, Thomas F
Subject: DOE Request for Soil Data

Please see attached letter. <<DOE Request for Soil Data.pdf>>

Carla M. Watson

Document Control Specialist

USEcology - Washington

(509) 377-2411

(509) 377-2244 FAX

e-mail at: cwatson@usecology.com

USEcology Washington, Inc.

an American Ecology company
1777 Terminal Drive
Richland, Washington 99354

August 20, 2008

Joe Franco, Assistant Manager for the River Corridor
U.S. Department of Energy
A3-O4
825 Jadwin Ave
Richland, Wa 99352

Dear Mr. Franco,

US Ecology Washington, Inc. is requesting assistance from the U.S. Department of Energy, (DOE) to obtain any existing ERDF soil property data that may be available. If such data are available, we would like to determine if the data can be provided for the purpose of determining if ERDF spoils soil can be used as a component in the US Ecology final cover. US Ecology is interested in hydrologic properties soil data such as standard Proctor compaction, saturated hydraulic conductivity, moisture retention characteristic curve, grain-size distribution, specific gravity, and Atterberg limits.

We understand that information security is an important issue at the DOE Hanford site and we hope that security issues will not be an obstacle to release of the data that may be available. This data will only be used by US Ecology Washington, Inc. and our design engineering firm Daniel B. Stephens & Associates, Inc. and will not be released to any other organization without DOE approval.

If you have any questions concerning this request or need any additional information, please contact me at (509) 377-2411.

Sincerely,



Michael Ault
Facility Manager

CC: T. Kisenwether (Washington Closure Group)
D. Greffin

Koeller, Pamela J

From: Borlaug, William A
Sent: Tuesday, May 25, 2010 6:22 PM
To: Melvin, William F; Casbon, Michael A (Mike); Armatrout, Jeffrey F
Cc: Boecker, Donald L
Subject: Executed US Ecology Access Agreement
Attachments: US Ecology Access Agreement.PDF

Attached is a copy of the executed Access Agreement with US Ecology. The original was delivered to Pam Koeller.

Bill Borlaug

Washington Closure Hanford
2620 Fermi Avenue
MO-607 MSIN T2-03
Richland, WA 99354
Desk: (509) 373-1084
Cell: (509) 531-7424
waborlau@wch-rcc.com

WASHINGTON CLOSURE HANFORD LLC
ACCESS AGREEMENT

GRANTEE: US Ecology Washington, Inc. (USE) CONTACT: Mike Ault,
Facility Manager
ADDRESS: 1777 Terminal Drive PHONE: (509) 377-2411
Richland, Washington 99354

WORK LOCATION: Environmental Restoration and Disposal Facility (ERDF), Hanford, WA

Washington Closure Hanford LLC (WCH), a CONTRACTOR for the United States Department of Energy (DOE) under Contract Number DE-AC06-05RL14655, grants permission to US Ecology Washington, Inc. (USE) this 18th day of May, 2010, to access ERDF to sample, excavate, load, and transport "excess soil" from the ERDF site in accordance with the provisions of this Agreement and the attached *Transfer Order Excess Personal Property* form approved by DOE-RL-OPMO, dated 4/22/09. For this agreement, up to 800,000 cubic yards of soils located within the soils stockpile from ERDF Cells 9 and 10 are considered "excess soils."

1. USE shall coordinate the work with WCH's ERDF Construction Manager, Bill Melvin, or Subcontract Technical Representative (STR), Jack Howard.
2. USE shall furnish all professional services, including labor, materials, tools and supplies, equipment, transportation, and supervision required to sample and remove the excess soil.
3. USE shall load soil from the east end of the cell 10 excess soil stockpile at the location determined by WCH. Vertical excavation slopes shall not be left overnight, weekends, or holidays. After soil removal is complete, USE shall grade areas disturbed by their activities, including the stockpile, to provide a uniform grade free of ruts and scattered piles of soil and then apply soil stabilizing materials to control visible dust emissions.
4. Access to ERDF and work on the ERDF site shall be performed during WCH's site work hours: 6:00 a.m to 4:30 p.m Monday through Thursday. Deviation from WCH's site work hours shall be requested in writing and approval shall be at WCH's discretion.
5. Use of access roads on the ERDF site shall be requested in writing and approved by WCH. USE shall comply with ERDF traffic control plans and speed limits while on the ERDF site.
6. This soil is to remain within the confines of the Hanford Site and be used by USE for barrier/capping material on the State of Washington leased land, Contract No. A(45-1)-1835. By accepting this excess soil for use, USE releases and holds DOE and WCH harmless from any claims and liabilities related to the removal and use of this soil or its transport off the USE site or other unauthorized use.
7. USE shall control storm water run off from its activities performed on the ERDF site. Ponding of storm and dust control water near monitoring wells, ERDF trench, etc. is not allowed.
8. USE is responsible for reporting, controlling, clean up, and disposal of spilled materials/liquids. Fuel storage tank(s) shall not be located at ERDF.
9. USE shall provide and apply water and applications of fixatives, crusting agents, or other soil-stabilizing materials to control visible dust emissions within the area disturbed by their activities throughout the duration of the project.

Washington Closure Hanford LLC

US Ecology Washington, Inc.

By: M. Neil Brose
(print or type)

By: Michael R. Ault
(print or type)

Signature: [Handwritten Signature]

Signature: [Handwritten Signature]

Title: President & Project Manager

Title: Facility Manager

STANDARD FORM 122
 JUNE 1974
 GENERAL SERVICES
 ADMINISTRATION
 FPMR (41 CFR) 101-32.306
 FPMR (41 CFR) 101-43.315

**TRANSFER ORDER
 EXCESS PERSONAL PROPERTY**

1. ORDER NO.

2. DATE

4/16/09

3. TO: General Services Administration*

4. ORDERING AGENCY (Full name and address)*

State of Washington Department of Health (DOH)
 309 Bradley Blvd. Suite 201
 Richland, WA 99352
 Attn: Earl Fordham

5. Holding Agency (Name and Address)*

Washington Closure Hanford, LLC (WCH)
 2620 Fermi Avenue
 Richland, WA 99354

6. SHIP TO (Consignee and Destination)*

U.S. Ecology (USE)
 Richland, WA 99352

7. Location of Property

Washington Closure Hanford, LLC (WCH)
 Environmental Remediation Disposal Facility (ERDF)
 Richland, WA 99354

8. SHIPPING INSTRUCTIONS

9. Ordering Agency Approval

A. Signature

Earl Fordham

B. Date

4/22/09

C. Title

Regional Director, WDOH

10. APPROPRIATION SYMBOL AND TITLE

11. ALLOTMENT

12. GOVERNMENT B/L NO.

13. PROPERTY ORDERED

GSA AND HOLDING AGENCY NOS. (a)	ITEM NO. (b)	DESCRIPTION (c) <small>(Include noun name, FSC Group and Class, Condition Code and, if available, National Stock Number)</small>	UNIT (d)	QUANTITY (e)	ACQUISITION VALUE	
					UNIT (f)	TOTAL (g)
		Excess soil from the excavation of Super Cell 9	cu yds	800,000	cubic yard	
		This soil is to remain within the confines of the Hanford Site and be used by USE for barrier/capping material on the State of Washington leased land at the Hanford Site, Contract No. A(45-1)-1835. By accepting this excess soil for use, DOH/USE also releases and holds DOE and its contractor WCH harmless from any claims or liabilities related to the use of this soil or its "illegal" transport off the USE site or other unauthorized use. <i>EF</i>				

Personal property purchased from the U. S. Government may or may not be authorized for export from the United States. If export is allowed, the purchaser is solely responsible for obtaining required clearances, approvals, and/or licenses. The purchaser also is required to pass on the DOE's export control guidance if the property is resold or otherwise disposed. The required DOE export control guidance is:

The use, disposition, export, and re-export of this property is subject to all applicable U.S. laws and regulations, including the Atomic Energy Act of 1954, as amended; the Arms Export Control Act ((22 U.S.C 2751 et seq.); the Export Administration Act of 1979 (560 U.S.C Append 2401 et seq.); Assistance to Foreign Atomic Energy Activities (10 CFR part 810); Export and Import of Nuclear Equipment and Material (10 CI part 110); International Traffic Arms Regulations (22 CFR parts 120 et seq.); Export Administration Regulations (15 CFR part 730 et seq.) Foreign Assets Control Regulations (31 CFR parts 500 et seq.); and the Espionage Act (37 U.S.C. 791 et seq.) which, among other things, prohibits:

- a. The making of false statements and concealment of any material information regarding the use or disposition, export or re-export of the property; and
- b. Any use or disposition, export or re-export of the property which is not authorized in accordance with the provisions of this agreement.

EARL W. FORDHAM

Print or Type Name of Recipient

Signature of Authorized Representative

Print or Type Name if Not Recipient

Title:

Date

TOTAL = \$ - \$ -

14. RELEASING-DOE APPROVAL

A. SIGNATURE:

Renato Mercado

B. TITLE:

DOE-RL-OPMO

C. DATE

4/22/09

FOR GSA USE ONLY	AGENCY AND LOCATION		FSC	CONDITION	SOURCE CODE
	AGENCY	STATE			

*INCLUDE ZIP CODE

122-112

- NOTES**
- WORK AREAS WITHIN THE LIMITS OF CONSTRUCTION SHALL BE PROTECTED BY THE CONTRACTOR UNLESS OTHERWISE NOTED WITHIN CONTRACTOR APPROVAL PRIOR TO CLEARING AREAS.
 - PROTECT AND MAINTAIN EXISTING FENCE AND GATE AT ALL CONTIGUOUS AND SOUND. SUBCONTRACTOR SHALL PROVIDE AND MAINTAIN MANNED SECURITY ONE SECURITY OFFICER FOR EVERY 328 FT. OF UNSECURED FENCE LOCATION AND FOR EVERY 328 FT. OF UNSECURED FENCE LINE.
 - SURVEY DATA: NAD 83
VERTICAL: NAD 83
HORIZONTAL: NAD 83 (S1)
 - SUBCONTRACTOR SHALL PROTECT AIR MONITORING STATIONS AND GROUNDWATER WELLS.
 - SEE DWG ORDER-DD-00047 FOR COORDINATE INFORMATION.
 - EXACT STOCKPILE DIMENSIONS MUST BE DUE TO DRIF OPERATION. A GENERAL REPRESENTATION IS SHOWN.
 - THE LIMITS OF CONSTRUCTION INDICATE THE AREA WITHIN WHICH THE SUBCONTRACTOR MAY BE REQUIRED TO PERFORM WORK OUTSIDE THE LIMITS SHOWN (E.G. NEW WORK WITH EXISTING PULL BOXES AND TIE IN WORK WITH EXISTING PULL BOXES AND TIE IN WORK). IN THESE INSTANCES THE NEW LEACHAL T.M. SHALL NOTIFY THE CONTRACTOR AS SOON AS ADVANCE WORK SHALL IMMINUCE THE TIME REQUIRED TO PERFORM THE WORK.
 - TOPOGRAPHY IN THE VICINITY OF THE PROJECT IS FROM FIELD SURVEY BY ROGERS SURVEYING INC., JULY 2008.
 - CONSTRUCTION ACCESS DATE AND ROAD MAY BE USED BY OTHERS.
 - SUBCONTRACTOR MAY CONNECT TO EXISTING WATER LINE. SUBCONTRACTOR SHALL PROVIDE AND INSTALL PIPELINE TO EXISTING WATER LINE. EXISTING WATERLINE AS SHOWN ON DRAWING FOR 0600X-DD-00342, 00343, AND 00307.
 - GEOTECHNICAL STORAGE AREA SHALL BE APPROVED BY THE CONTRACTOR WITHIN THE LIMITS OF CONSTRUCTION.

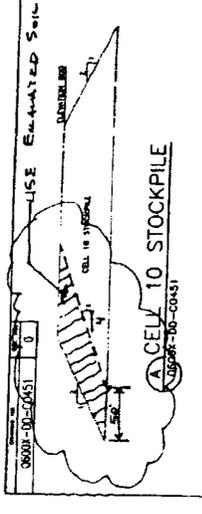
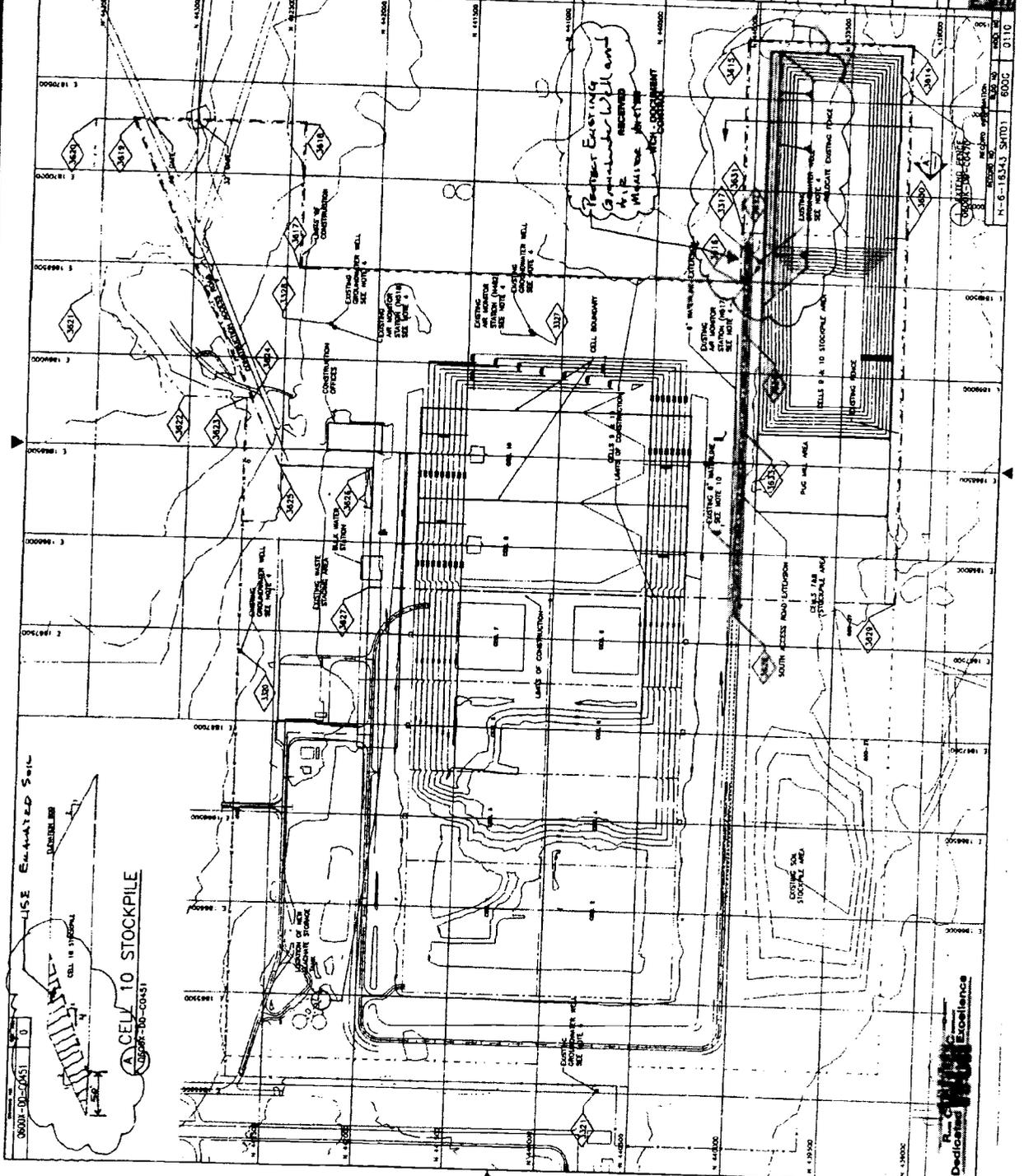


U.S. DEPARTMENT OF ENERGY
 JOE RICHLAND OPERATIONS OFFICE
 RIVER CORRIDOR CLOSURE CONTRACT
 WASHINGTON CLOSURE
 HANFORD ILL.
 INDIANAPOLIS, INDIANA

WEINER BOOS CONSULTANTS, LLC
 HANFORD, INDIANA
 INDIANAPOLIS, INDIANA

ENVIRONMENTAL RESTORATION DISPOSAL FACILITY
 CELLS 9 - 10
 GENERAL SITE PLAN

SCALE: 1" = 100'	DATE: 06/01/09	PROJECT NO: 0600X-DD-00345	CONTRACT NO: 0600X-DD-00345
TITLE: GENERAL SITE PLAN	DATE: 06/01/09	CONTRACT NO: 0600X-DD-00345	CONTRACT NO: 0600X-DD-00345
SCALE: 1" = 100'	DATE: 06/01/09	PROJECT NO: 0600X-DD-00345	CONTRACT NO: 0600X-DD-00345



Declination
Excellence

Koeller, Pamela J

From: Borlaug, William A
Sent: Monday, April 19, 2010 12:15 PM
To: McPherson, Robert B
Cc: Armatrout, Jeffrey F; Melvin, William F
Subject: RE: ERDF Excess Soils to US Ecology
Attachments: Draft Final Excess Soil Agreement 4-19-10.doc

Attached is a marked up copy of the "No Cost Services Contract" I have. I added the markups to update to current conditions. Does this provide requirements you want?

From: McPherson, Robert B
Sent: Monday, April 19, 2010 10:16 AM
To: Borlaug, William A
Cc: Armatrout, Jeffrey F; Melvin, William F
Subject: RE: ERDF Excess Soils to US Ecology

We need an access and indemnification agreement with US Ecology that allows them to get the soil and protects us if they damage anything we would be concerned about. Also, the agreement needs to required that they follow any of our rules that apply. I think we can work from the previous agreement.

Bob

From: Borlaug, William A
Sent: Monday, April 19, 2010 6:45 AM
To: McPherson, Robert B
Cc: Armatrout, Jeffrey F; Melvin, William F
Subject: FW: ERDF Excess Soils to US Ecology

Bob,

US Ecology soil is back. Current plan is for US Ecology to load and haul the soil (at their cost) from soil WCH has already stockpiled. What type of mechanism does WCH need with US Ecology? US Ecology's subcontractor would be working on the ERDF site to load the soil out of an existing stockpile.

Thanks,

Bill Borlaug

From: Covert, Bruce C
Sent: Thursday, April 15, 2010 5:45 PM
To: Borlaug, William A
Subject: FW: ERDF Excess Soils to US Ecology

6/29/2010

From: Robertson, Owen Jr [mailto:Owen_Jr_Robertson@RL.gov]
Sent: Friday, March 12, 2010 2:18 PM
To: Covert, Bruce C; French, Mark S
Cc: Dodd, Ryan A; Brosee, Manfred N (Neil); Wintczak, Thomas M; McPherson, Robert B; Melvin, William F; Franco, Jose R
Subject: RE: ERDF Excess Soils to US Ecology

Bruce,

US Ecology needs to know what type of agreement they need with WCH. Can you do it with an MOU or do you need a Contract? If you're going to incur cost associated with this transfer, you probably need to plan on recovering that from US Ecology.

As to DOE's plan for this work scope going forward, I think the Standard Form 122 (the one US Ecology sent Melvin) declaring this soil excess property pretty well covers it. Giving US Ecology 800,000 cubic yards of soil saves DOH a tremendous amount of money. Surely they can come with the funds to transport it.

Thanks,
Owen

From: Covert, Bruce C [mailto:bccovert@wch-rcc.com]
Sent: Friday, March 12, 2010 9:42 AM
To: French, Mark S; Robertson, Owen Jr
Cc: Dodd, Ryan A; Brosee, Manfred N (Neil); Wintczak, Thomas M; McPherson, Robert B
Subject: FW: ERDF Excess Soils

Mark and Owen,

We received this request from US Ecology last week and need to know what is DOE's plan for this work scope going forward?

Owen we can discuss this further at our weekly interface meeting.

Thank You,
Bruce

From: Melvin, William F
Sent: Tuesday, March 09, 2010 6:51 AM
To: Covert, Bruce C
Subject: FW: ERDF Excess Soils

Bill Melvin
Washington Closure Hanford
ERDF Construction Manager

6/29/2010

509-373-9173 (O)
509-554-7547 (C)

From: Douglas Greffin [mailto:DGREFFIN@usecology.com]
Sent: Thursday, March 04, 2010 3:28 PM
To: Melvin, William F
Subject: ERDF Excess Soils

Bill,

Jack Howard said I need to contact you in regards to US Ecology Washington using the up to 800,000 yards of the excess soils from super cells 9. DOE has released (copy attached) the soil to the Washington Department of Health for use by US Ecology for closure cap construction. What I need to know is what type of mechanism (MOU, no cost contract, etc.) we are going to need for us to hire a contractor to remove the soils from the ERDF facility and bring it to our facility for cap construction. Any help you can provide would be appreciated. Thanks.

Douglas Greffin
Quality Assurance and Regulatory Compliance Coordinator

USEcologyWashington

*1777 Terminal Drive
Richland, WA, 99354
Tel: 509.377.2411 | Fax: 509.377.2244
dgreffin@usecology.com*

This email and all attachments are intended for the person or entity to which they are addressed. The information in these emails/attachments may be privileged, confidential, or otherwise protected from disclosure and all persons are advised that they may face penalties under state or federal law for sharing this information with unauthorized individuals. If you received this information in error, please delete immediately and call this office at (509) 377-2411.

6/29/2010

WASHINGTON CLOSURE HANFORD LLC

NO COST SERVICES SUBCONTRACT

SUBCONTRACTOR: US Ecology (USE)
ADDRESS: 1777 Terminal Drive
Richland, Washington 99354

SUBCONTRACT NO:

EFFECTIVE DATE:
COMPLETION DATE:

CONTACT: Mike Ault

WORK LOCATION: Hanford, WA

PHONE: (509) 377-2411

ISSUING OFFICE: Hanford

This Subcontract entered into this _____ day of _____ 2010, by Washington Closure Hanford LLC (WCH), a Limited Liability company organized and existing under the Laws of the State of Delaware (CONTRACTOR) and US Ecology Inc. (SUBCONTRACTOR).

Work specified below, which is a portion of the work and services to be performed by CONTRACTOR for the United States Department of Energy under Contract Number DE-AC06-05RL14655, shall be performed by the SUBCONTRACTOR in accordance with all provisions of this Subcontract, consisting of the following:

SUBCONTRACT DOCUMENTS (attached):

Exhibit G WCH Subcontractor Health and Safety Requirements, dated X/XX/XX

Exhibit K WCH Operations Support Requirements, dated X/XX/XX

1. **WORK TO BE PERFORMED:** SUBCONTRACTOR shall furnish professional services, including labor, materials, tools and supplies, equipment, transportation and supervision, and shall perform operations to sample, excavate, load, and transport "excess soil" from the ERDF site, in accordance with the direction of CONTRACTOR's WCH ERDF Construction Manager (CM) **Bill Melvin** or Subcontract Technical Representative (STR) Jack Howard. For this agreement, soils located within the footprint of ERDF Cells 9 & 10 (includes the excess soils stockpile from ERDF Cells 10 and are considered "excess soils").
2. **COMPENSATION:** As full consideration for the satisfactory performance by the SUBCONTRACTOR of this Agreement, SUBCONTRACTOR will be allowed to excavate, remove and transport designated soil to the US Ecology Landfill Site located in the 200 East area at the Hanford Site without charge. When performing work inside the ERDF fence boundary, the SUBCONTRACTOR will operate under the direction of WCH CONTRACTOR's CM/STR and comply with applicable requirements as specified in the attachments to this Subcontract Agreement as identified above. SUBCONTRACTOR shall participate in and comply with CONTRACTOR's WCH work planning and safety requirements. There shall be no monetary consideration.
3. ~~WCH requires the aeolian soils, excavated within the footprint of cells 9 and 10, be stockpiled for WCH future use (approximately 90,000 cubic yards at a location identified by WCH). WCH will perform soil classification activities to decide which soils meet this criterion. Aeolian soil is generally located within the top 5 feet of surface soil.~~ **SUBCONTRACTOR shall load soil from the east end of the cell 10 excess soil stockpile.** Location of the aeolian stock pile is shown on Attachment 1.
4. SUBCONTRACTOR agrees to indemnify and hold CONTRACTOR harmless from any loss, cost, or expense for property damage and bodily injury; including death, caused by the negligence or willful misconduct of SUBCONTRACTOR, its agents, employees, or affiliates in connection with this Subcontract.
5. Work performed outside the ERDF fence boundary shall be in accordance with USE **SUBCONTRACTOR's** Standards.

6. Equipment maintenance activities (including washing, fueling, repairs, daily inspections, etc.) may **NOT** be performed within the ERDF fenced boundary. Equipment shall not be stored/parked within the ERDF fenced boundary when not in use.
7. **SUBCONTRACTOR** will be responsible for costs to **construct**, operate, and maintain haul roads during **SUBCONTRACTOR**'s activities. Use of existing haul roads is allowed provided **SUBCONTRACTOR**'s activities do not interfere with DOE and DOE Contract remediation activities. ~~WCH~~ **The existing haul road between USE and ERDF is currently being used by other DOE remediation contractors. SUBCONTRACTOR** will coordinate interface activities.
8. Excavation and transportation activities **performed inside the ERDF fence boundary** will be conducted in accordance with standard excavation work practices (dust control, slope stability, safety, etc.) as defined in Exhibits G and K. ~~CONTRACTOR~~ **WCH** will review USE technical procedure(s) and health and safety documents ~~to perform~~ for work activities performed within the ERDF fenced boundary.
9. If **SUBCONTRACTOR**'s sampling indicates the soils are not suitable for **SUBCONTRACTOR**'s use, this no cost services subcontract may be canceled by **SUBCONTRACTOR** at their discretion. **SUBCONTRACTOR** is responsible for sampling, analysis, and interpretation/application of soil properties.
10. **SUBCONTRACTOR** shall perform work in accordance with applicable site labor agreements (i.e. Hanford Site Stabilization Agreement).
11. **SUBCONTRACTOR** shall control storm water run off. Ponding of storm and dust control water near monitoring wells, ERDF trench, etc. is not allowed.
12. The ERDF "excess soils" must be removed on or before X/XX/XX (approximately 800,000 cubic yards). Department of Energy and Environmental Protection Agency concurrence to remove excess soils within cells 9 and 10 is required (i.e. a ROD Amendment will not be required). ~~CONTRACTOR~~ will obtain this concurrence.
13. Work control, notification, and reporting responsibility (accidents, injuries, spills, incidents, etc.) boundaries are shown on Attachment 1.
14. **CONTRACTOR** is not responsible for compensation for any work performed by USE or any of its sub tier subcontractors obtaining "excess soils" from the ERDF.
15. **SUBCONTRACTOR** is responsible for incident and injury/illness reporting.
16. **SUBCONTRACTOR** is responsible for reporting, controlling, clean up and disposal of spilled materials/liquids. Refueling of equipment shall not be performed inside the ERDF fenced boundary.

CONTRACTOR: Washington Closure Hanford LLC

SUBCONTRACTOR: US Ecology Inc.

By: _____
(print or type)

By: _____
(print or type)

Signature: _____

Signature: _____

Title: _____

Title: _____

Attachments:

1. Demarcation of Responsibilities

2.1. Exhibit G Washington Closure Hanford Subcontractor Safety and health Requirements

3.2. Exhibit K Subcontractor Operations Support Requirements

4.3. Exhibit H Hanford Site Stabilization Agreement (HSSA)

DRAFT

Koeller, Pamela J

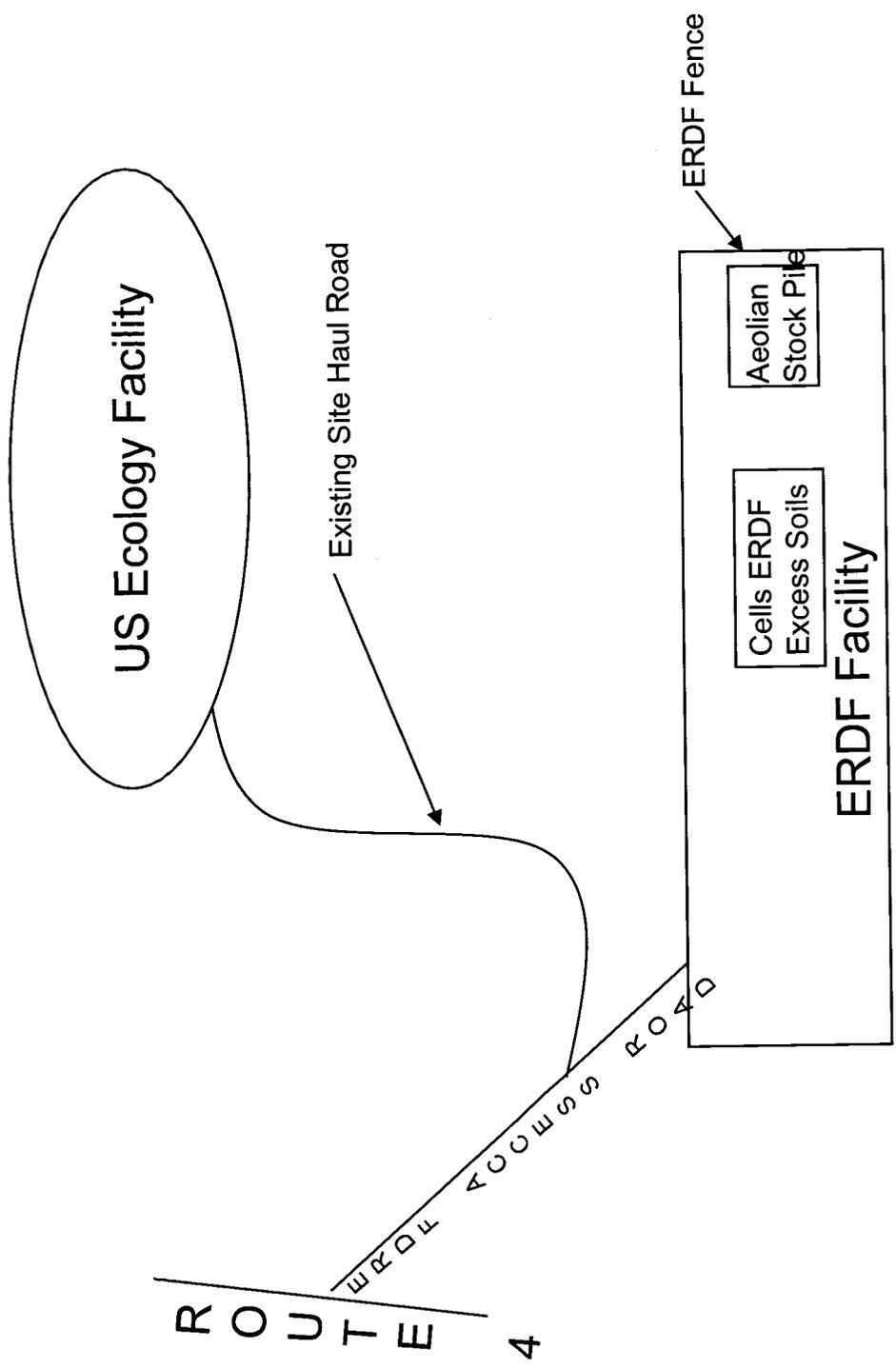
From: Kisenwether, Thomas F
Sent: Wednesday, January 21, 2009 6:35 AM
To: Skwarek, Raymond J; McPherson, Robert B; Palmersheim, Suzanne M; Peloquin, Michael G
Cc: Armatrout, Jeffrey F; Wolfley, Clinton T; Gurney, Lance W; Borlaug, William A
Subject: Revised US Ecology Agreement

Attachments: Draft Final Excess Soil Agreement 1-21-09.doc; US Ecology Final Layout 1-21-09.ppt

The No Cost Services Agreement for US Ecology to obtain the "excess soils" from ERDF is attached. It was revised to incorporate Safety and Health comments: added items 15 and 16; revised items 6 and 13; changed wording in the notes on attachment 1. Please provide comments by 1-28-09.



Draft Final Excess Soil Agree...
US Ecology Final Layout 1-21-0...



NOTES:

- Work shall be performed in accordance with the Subcontract Agreement Documents.
- USE shall notify WCH when any incidents and injury/illnesses occur inside blue boundary (inside ERDF fence).
- Work performed inside black boundary shall be performed in accordance with US Ecology requirements.
- Work control and incident reporting outside blue boundary (outside the ERDF fence) will be the responsibility of US Ecology.

**WASHINGTON CLOSURE HANFORD LLC
NO COST SERVICES SUBCONTRACT**

SUBCONTRACTOR: US Ecology (USE)
ADDRESS: 1777 Terminal Drive
Richland, Washington 99354

CONTACT: Mike Ault

PHONE: (509) 377-2411

SUBCONTRACT NO:

EFFECTIVE DATE:
COMPLETION DATE:

WORK LOCATION: Hanford, WA

ISSUING OFFICE: Hanford

This Subcontract entered into this ____ day of January 2009, by Washington Closure Hanford LLC (WCH), a Limited Liability company organized and existing under the Laws of the State of Delaware (CONTRACTOR) and US Ecology Inc. (SUBCONTRACTOR).

Work specified below, which is a portion of the work and services to be performed by CONTRACTOR for the United States Department of Energy under Contract Number DE-AC06-05RL14655, shall be performed by the SUBCONTRACTOR in accordance with all provisions of this Subcontract, consisting of the following:

SUBCONTRACT DOCUMENTS (attached):

Exhibit G WCH Subcontractor Health and Safety Requirements, dated X/XX/XX

Exhibit K WCH Operations Support Requirements, dated X/X/XXX

1. **WORK TO BE PERFORMED:** SUBCONTRACTOR shall furnish professional services, including labor, materials, tools and supplies, equipment, transportation and supervision, and shall perform operations to sample, excavate, load and transport "excess soil" from the ERDF site, in accordance with the direction of WCH ERDF Construction Manager (CM) Thomas Kisenwether or Subcontract Technical Representative (STR) Jack Howard. For this agreement, soils located within the footprint of ERDF Cells 9 & 10 (includes the excess soils stockpile from ERDF cells 1 and 2) are considered "excess soils".
2. **COMPENSATION:** As full consideration for the satisfactory performance by the SUBCONTRACTOR of this Agreement, SUBCONTRACTOR will be allowed to excavate, remove and transport designated soil to the US Ecology Landfill Site located in the 200 East area at the Hanford Site without charge. When performing work inside the ERDF fence boundary, the SUBCONTRACTOR will operate under the direction of WCH CM/STR and comply with applicable requirements as specified in the attachments to this Subcontract Agreement as identified above. SUBCONTRACTOR shall participate in and comply with WCH work planning and safety requirements. There shall be no monetary consideration.
3. WCH requires the aeolian soils, excavated within the footprint of cells 9 and 10, be stockpiled for WCH future use (approximately 90,000 cubic yards at a location identified by WCH). WCH will perform soil classification activities to decide which soils meet this criterion. Aeolian soil is generally located within the top 5 feet of surface soil. Location of the aeolian stock pile is shown on Attachment 1.
4. SUBCONTRACTOR agrees to indemnify and hold CONTRACTOR harmless from any loss, cost, or expense for property damage and bodily injury; including death, caused by the negligence or willful misconduct of SUBCONTRACTOR, its agents, employees, or affiliates in connection with this Subcontract.
5. Work performed outside the ERDF fence boundary shall be in accordance with USE Standards.
6. Equipment maintenance activities (including washing, fueling, repairs, daily inspections, etc.) may **NOT** be performed within the ERDF fenced boundary. Equipment shall not be stored/parked within the ERDF fenced boundary when not in use.

7. USE will be responsible for costs to operate and maintain haul roads during USE activities. Use of existing haul roads is allowed provided USE activities do not interfere with DOE and DOE Contract remediation activities. WCH will coordinate interface activities.
8. Excavation and transportation activities will be conducted in accordance with standard excavation work practices (dust control, slope stability, safety, etc.) as defined in Exhibits G and K. WCH will review USE technical procedure(s) and health and safety documents to perform for work activities performed within the ERDF fenced boundary.
9. If USE's sampling indicates the soils are not suitable for USE's use, this no cost services subcontract may be canceled by USE at their discretion. USE is responsible for sampling, analysis, and interpretation/application of soil properties.
10. USE shall perform work in accordance with applicable site labor agreements (i.e. Hanford Site Stabilization Agreement).
11. USE shall control storm water run off. Ponding of storm and dust control water near monitoring wells, ERDF trench, etc. is not allowed.
12. The ERDF "excess soils" must be removed on or before May 2010 (approximately 800,000 cubic yards). Department of Energy and Environmental Protection Agency concurrence to remove excess soils within cells 9 and 10 is required (i.e. a ROD Amendment will not be required). CONTRACTOR will obtain this concurrence.
13. Work control, notification, and reporting responsibility (accidents, injuries, spills, incidents, etc.) boundaries are shown on Attachment 1.
14. CONTRACTOR is not responsible for compensation for any work performed by USE or any of its sub tier subcontractors obtaining "excess soils" from the ERDF.
15. USE is responsible for incident and injury/illness reporting.
16. USE is responsible for reporting, controlling, clean up and disposal of spilled materials/liquids. Refueling of equipment shall not be performed inside the ERDF fenced boundary.

Contactor: Washington Closure Hanford LLC

Subcontractor: US Ecology Inc.

By: _____
(print or type)

By: _____
(print or type)

Signature: _____

Signature: _____

Title: _____

Title: _____

Attachments:

1. Demarcation of Responsibilities
2. Exhibit G Washington Closure Hanford Subcontractor Safety and health Requirements
3. Exhibit K Subcontractor Operations Support Requirements
4. Exhibit H Hanford Site Stabilization Agreement (HSSA)

DRAFT

Koeller, Pamela J

From: Borlaug, William A
Sent: Monday, May 03, 2010 5:01 PM
To: Melvin, William F; McPherson, Robert B
Cc: Armatrout, Jeffrey F; Covert, Bruce C; Feaster, Scott L; Koeller, Pamela J
Subject: RE: ERDF Excess Soils to US Ecology
Attachments: Draft Excess Soil Agreement 5-3-10.doc

Attached is revised Agreement incorporating your comments. I eliminated the requirements for refueling their equipment off site and storing their equipment off site.

From: Melvin, William F
Sent: Friday, April 30, 2010 10:35 AM
To: McPherson, Robert B; Borlaug, William A
Cc: Armatrout, Jeffrey F; Covert, Bruce C; Feaster, Scott L; Koeller, Pamela J
Subject: RE: ERDF Excess Soils to US Ecology

I was locked out of the document and couldn't make changes. Paragraph 7 has an M in front of Equipment in the first sentence and a Equipment is spelled 'eEquipment in the 2nd sentence.

Para 7: Why are we forcing them to fuels and lube off the ERDF site. This will force them to run their excavator and dozer off site to perform these minor maintenance items. I believe the way this is worded it implies that they cannot store their equipment over night or weekends at ERDF. It is not reasonable to request a constructor relocate the equipment over night and weekends etc. It is costly and hard on the equipment.

Para 8: USE should be required reconfigure the stockpile after they are finished removing material so that loose or scattered material are pushed back into the main pile, that there are no areas of that will allow significant ponding on the pile and to re-apply a fixative to inhibit dust.

Para 9: Fueling (2nd sentence) is covered in para 7.

Bill Melvin
Washington Closure Hanford
ERDF Construction Manager
509-373-9173 (O)
509-554-7547 (C)

From: McPherson, Robert B
Sent: Thursday, April 29, 2010 8:25 AM
To: Borlaug, William A
Cc: Armatrout, Jeffrey F; Melvin, William F; Covert, Bruce C; Feaster, Scott L; Koeller, Pamela J
Subject: RE: ERDF Excess Soils to US Ecology

6/29/2010

Nice job Bill. See attached suggested revisions. I changed the indemnity clause consistent with the DOE transfer order

Bob

From: Borlaug, William A
Sent: Wednesday, April 28, 2010 4:49 PM
To: McPherson, Robert B
Cc: Armatrout, Jeffrey F; Melvin, William F; Covert, Bruce C
Subject: RE: ERDF Excess Soils to US Ecology

Attached is a draft agreement for your review. I revised the previous No Cost Services Subcontract to generate this agreement. Please forward any comments and I will finalize.

From: McPherson, Robert B
Sent: Monday, April 19, 2010 10:16 AM
To: Borlaug, William A
Cc: Armatrout, Jeffrey F; Melvin, William F
Subject: RE: ERDF Excess Soils to US Ecology

We need an access and indemnification agreement with US Ecology that allows them to get the soil and protects us if they damage anything we would be concerned about. Also, the agreement needs to required that they follow any of our rules that apply. I think we can work from the previous agreement.

Bob

From: Borlaug, William A
Sent: Monday, April 19, 2010 6:45 AM
To: McPherson, Robert B
Cc: Armatrout, Jeffrey F; Melvin, William F
Subject: FW: ERDF Excess Soils to US Ecology

Bob,

US Ecology soil is back. Current plan is for US Ecology to load and haul the soil (at their cost) from soil WCH has already stockpiled. What type of mechanism does WCH need with US Ecology? US Ecology's subcontractor would be working on the ERDF site to load the soil out of an existing stockpile.

Thanks,

Bill Borlaug

From: Covert, Bruce C
Sent: Thursday, April 15, 2010 5:45 PM
To: Borlaug, William A
Subject: FW: ERDF Excess Soils to US Ecology

6/29/2010

From: Robertson, Owen Jr [mailto:Owen_Jr_Robertson@RL.gov]
Sent: Friday, March 12, 2010 2:18 PM
To: Covert, Bruce C; French, Mark S
Cc: Dodd, Ryan A; Brosee, Manfred N (Neil); Wintczak, Thomas M; McPherson, Robert B; Melvin, William F; Franco, Jose R
Subject: RE: ERDF Excess Soils to US Ecology

Bruce,

US Ecology needs to know what type of agreement they need with WCH. Can you do it with an MOU or do you need a Contract? If you're going to incur cost associated with this transfer, you probably need to plan on recovering that from US Ecology.

As to DOE's plan for this work scope going forward, I think the Standard Form 122 (the one US Ecology sent Melvin) declaring this soil excess property pretty well covers it. Giving US Ecology 800,000 cubic yards of soil saves DOH a tremendous amount of money. Surely they can come with the funds to transport it.

Thanks,
Owen

From: Covert, Bruce C [mailto:bccovert@wch-rcc.com]
Sent: Friday, March 12, 2010 9:42 AM
To: French, Mark S; Robertson, Owen Jr
Cc: Dodd, Ryan A; Brosee, Manfred N (Neil); Wintczak, Thomas M; McPherson, Robert B
Subject: FW: ERDF Excess Soils

Mark and Owen,

We received this request from US Ecology last week and need to know what is DOE's plan for this work scope going forward?

Owen we can discuss this further at our weekly interface meeting.

Thank You,
Bruce

From: Melvin, William F
Sent: Tuesday, March 09, 2010 6:51 AM
To: Covert, Bruce C
Subject: FW: ERDF Excess Soils

Bill Melvin
Washington Closure Hanford
ERDF Construction Manager
509-373-9173 (O)
509-554-7547 (C)

From: Douglas Greffin [mailto:DGREFFIN@usecology.com]
Sent: Thursday, March 04, 2010 3:28 PM
To: Melvin, William F
Subject: ERDF Excess Soils

Bill,
Jack Howard said I need to contact you in regards to US Ecology Washington using the up to 800,000 yards of the excess soils from super cells 9. DOE has released (copy attached) the soil to the Washington Department of Health for use by US Ecology for closure cap construction. What I need to know is what type of mechanism (MOU, no cost contract, etc.) we are going to need for us to hire a contractor to remove the soils from the ERDF facility and bring it to our facility for cap construction. Any help you can provide would be appreciated. Thanks.

Douglas Greffin
Quality Assurance and Regulatory Compliance Coordinator

USEcologyWashington

*1777 Terminal Drive
Richland, WA, 99354
Tel: 509.377.2411 | Fax: 509.377.2244
dgreffin@usecology.com*

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WASHINGTON CLOSURE HANFORD LLC

ACCESS AGREEMENT

GRANTEE: US Ecology Washington (USE) CONTACT: Mike Ault, Facility Manager
ADDRESS: 1777 Terminal Drive PHONE: (509) 377-2411
Richland, Washington 99354

WORK LOCATION: Environmental Restoration and Disposal Facility (ERDF), Hanford, WA

Washington Closure Hanford LLC (WCH), a CONTRACTOR for the United States Department of Energy (DOE) under Contract Number DE-AC06-05RL14655, grants permission to US Ecology (USE) this ___ day of _____ 2010, to access ERDF to sample, excavate, load, and transport "excess soil" from the ERDF site in accordance with the provisions of this Agreement and the attached Transfer Order Excess Personal Property form approved by DOE-RL-OPMO, dated 4/22/09. For this agreement, up to 800 cubic yards of soils located within the soils stockpile from ERDF Cell 10 are considered "excess soils."

- 1. USE shall coordinate the work with WCH's ERDF Construction Manager, Bill Melvin, or Subcontract Technical Representative (STR), Jack Howard.
2. USE shall furnish all professional services, including labor, materials, tools and supplies, equipment, transportation and supervision required to sample and remove the excess soil.
3. USE shall load soil from the east end of the cell 10 excess soil stockpile at the location determined by WCH. Vertical excavation slopes shall not be left overnight, weekends, or holidays. After soil removal is complete, USE shall grade areas disturbed by their activities, including the stockpile, to provide a uniform grade free of ruts and scattered piles of soil and then apply soil stabilizing materials to control visible dust emissions.
4. Access to ERDF and work on the ERDF site shall be performed during WCH's site work hours: 6:00 a.m to 4:30 p.m Monday through Thursday. Deviation from WCH's site work hours shall be requested in writing and approval shall be at WCH's discretion.
5. Use of access roads on the ERDF site shall be requested in writing and approved by WCH. USE shall comply with ERDF traffic control plans and speed limits while on the ERDF site.
6. This soil is to remain within the confines of the Hanford Site and be used by USE for barrier/capping material on the State of Washington leased land, Contract No. A(45-1)-1835. By accepting this excess soil for use, USE releases and holds DOE and WCH harmless from any claims and liabilities related to the removal and use of this soil or its transport off the USE site or other unauthorized use.
7. USE shall control storm water run off from its activities performed on the ERDF site. Ponding of storm and dust control water near monitoring wells, ERDF trench, etc. is not allowed.
8. USE is responsible for reporting, controlling, clean up, and disposal of spilled materials/liquids.
9. USE shall provide and apply water and applications of fixatives, crusting agents, or other soil-stabilizing materials to control visible dust emissions within the area disturbed by their activities throughout the duration of the project.

Washington Closure Hanford LLC

US Ecology Inc.

By: _____ (print or type)

By: _____ (print or type)

Signature: _____

Signature: _____

Title: _____

Title: _____

DRAFT

Koeller, Pamela J

From: Douglas Greffin [DGREFFIN@usecology.com]
Sent: Thursday, March 04, 2010 3:28 PM
To: Melvin, William F
Subject: ERDF Excess Soils
Attachments: soil transfer order.pdf

Bill,

Jack Howard said I need to contact you in regards to US Ecology Washington using the up to 800,000 yards of the excess soils from super cells 9. DOE has released (copy attached) the soil to the Washington Department of Health for use by US Ecology for closure cap construction. What I need to know is what type of mechanism (MOU, no cost contract, etc.) we are going to need for us to hire a contractor to remove the soils from the ERDF facility and bring it to our facility for cap construction. Any help you can provide would be appreciated. Thanks.

Douglas Greffin
Quality Assurance and Regulatory Compliance Coordinator

USEcologyWashington

*1777 Terminal Drive
Richland, WA, 99354
Tel: 509.377.2411 | Fax: 509.377.2244
dgreffin@usecology.com*

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STANDARD FORM 122 JUNE 1974 GENERAL SERVICES ADMINISTRATION FPMR (41 CFR) 101-32.306 FPMR (41 CFR) 101-43.315	TRANSFER ORDER EXCESS PERSONAL PROPERTY	1. ORDER NO. 2. DATE 4/16/09				
3. TO: General Services Administration*		4. ORDERING AGENCY (Full name and address)* State of Washington Department of Health (DOH) 309 Bradley Blvd. Suite 201 Richland, WA 99352 Attn: Earl Fordham				
5. Holding Agency (Name and Address)* Washington Closure Hanford, LLC (WCH) 2620 Fermi Avenue Richland, WA 99354		6. SHIP TO (Consignee and Destination)* U.S. Ecology (USE) Richland, WA 99352				
7. Location of Property Washington Closure Hanford, LLC (WCH) Environmental Remediation Disposal Facility (ERDF) Richland, WA 99354		8. SHIPPING INSTRUCTIONS				
9. Ordering Agency Approval A. Signature <i>Earl Fordham</i> B. Date <i>4/22/09</i> C. Title <i>Regional Director, WDOH</i>		10. APPROPRIATION SYMBOL AND TITLE				
		11. ALLOTMENT				
		12. GOVERNMENT B/L NO.				
PROPERTY ORDERED						
GSA AND HOLDING AGENCY NOS. (a)	ITEM NO. (b)	DESCRIPTION (c) <small>(Include noun name, FSC Group and Class, Condition Code and, if available, National Stock Number)</small>	UNIT (d)	QUANTITY (e)	UNIT (f)	TOTAL (g)
		Excess soil from the excavation of Super Cell 9 This soil is to remain within the confines of the Hanford Site and be used by USE for barrier/capping material on the State of Washington leased land at the Hanford Site, Contract No. A(45-1)-1835. By accepting this excess soil for use, DOH/USE also releases and holds DOE and its contractor WCH harmless from any claims or liabilities related to the use of this soil or its "illegal" transport off the USE site or other unauthorized use. <i>EF</i>	cu yds	800,000	cubic yard	
Personal property purchased from the U. S. Government may or may not be authorized for export from the United States. If export is allowed, the purchaser is solely responsible for obtaining required clearances, approvals, and/or licenses. The purchaser also is required to pass on the DOE's export control guidance if the property is resold or otherwise disposed. The required DOE export control guidance is: The use, disposition, export, and re-export of this property is subject to all applicable U.S. laws and regulations, including the Atomic Energy Act of 1954, as amended; the Arms Export Control Act ((22 U.S.C 2751 et seq.); the Export Administration Act of 1979 (560 U.S.C Append 2401 et seq.); Assistance to Foreign Atomic Energy Activities (10 CFR part 810); Export and Import of Nuclear Equipment and Material (10 Cl part 110); International Traffic Arms Regulations (22 CFR parts 120 et seq.); Export Administration Regulations (15 CFR part 730 et seq.) Foreign Assets Control Regulations (31 CFR parts 500 et seq.); and the Espionage Act (37 U.S.C. 791 et seq.) which, among other things, prohibits: a. The making of false statements and concealment of any material information regarding the use or disposition, export or re-export of the property; and b. Any use or disposition, export or re-export of the property which is not authorized in accordance with the provisions of this agreement.						
<i>EARL W. FORDHAM</i> Print or Type Name of Recipient			Signature of Authorized Representative			
Print or Type Name If Not Recipient			Title:			
Date			TOTAL= \$ - \$ -			
14 RELEASING-DOE APPROVAL		A. SIGNATURE: <i>Renato Mercado</i> RENATO MERCADO		B. TITLE: DOE-RL-OPMO		C. DATE: <i>4/22/09</i>
FOR GSA USE ONLY	AGENCY	STATE	AGENCY AND LOCATION	FSC	CONDITION	SOURCE CODE
*INCLUDE ZIP CODE						

Koeller, Pamela J

From: Douglas Greffin [DGREFFIN@usecology.com]
Sent: Monday, March 15, 2010 7:54 AM
To: Melvin, William F
Subject: RE: ERDF Excess Soils

Bill,

Thanks for your response and if you ever need to get together for any meetings or conference calls just let me know and I will arrange for our responsible staff to attend.

We are looking at starting to move the soil in August or September. We will be making our contractor selection in June so I need to include all of the WCH requirements that our contractor must meet in our RFP. We would like to send the RFP out in May. These are all estimated times as we still need final approval from the State on our cap design. Of course as always, the sooner we get things in place the better.

Also, are they excavating super cell 10 yet or is that complete?

Thanks.

From: Melvin, William F [mailto:wfmelvin@wch-rcc.com]
Sent: Friday, March 12, 2010 3:31 PM
To: Douglas Greffin
Subject: RE: ERDF Excess Soils

Doug,

I am not ignoring you; I have run this up the chain for further instructions. I will advise you when I here back. What is your time frame for removing the soil?

Bill

Bill Melvin
Washington Closure Hanford
ERDF Construction Manager
509-373-9173 (O)
509-554-7547 (C)

From: Douglas Greffin [mailto:DGREFFIN@usecology.com]
Sent: Thursday, March 04, 2010 3:28 PM
To: Melvin, William F
Subject: ERDF Excess Soils

Bill,

Jack Howard said I need to contact you in regards to US Ecology Washington using the up to 800,000 yards of the excess soils from super cells 9. DOE has released (copy attached) the soil to the Washington Department of Health for use by US Ecology for closure cap construction. What I need to know is what type of mechanism (MOU, no cost contract, etc.) we are going to need for us to hire a contractor to remove the soils from the ERDF facility and bring it to our facility for cap construction. Any help you can provide would be appreciated. Thanks.

Douglas Greffin

Quality Assurance and Regulatory Compliance Coordinator

USEcologyWashington

1777 Terminal Drive

Richland, WA, 99354

Tel: 509.377.2411 | Fax: 509.377.2244

dgreffin@usecology.com

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Koeller, Pamela J

From: Kisenwether, Thomas F
Sent: Tuesday, March 03, 2009 4:16 PM
To: Robertson, Owen C
Cc: Borlaug, William A
Subject: FW: Excess ERDF Soil

Owen,

It looks like trying to get the soil to US Ecology before or during the excavation of Super Cell 9 is a lost cause. More than likely US Ecology will want to come get the soil out of the "existing stock piles" at a later date. I believe we sold the concept that the soil for US Ecology would not be out of the existing stock piles.

From: Douglas Greffin [mailto:DGREFFIN@usecology.com]
Sent: Tuesday, March 03, 2009 3:56 PM
To: Kisenwether, Thomas F
Cc: mault@americanecology.com
Subject: Excess ERDF Soil

Tom,

The earliest that US Ecology Washington, Inc. would be able to move the excess soil would be August 1, 2009. If you start excavation in April like you think, let me know as we may want to grab soil samples during excavation. I will keep you up on any other changes on this end.

Thanks.

Douglas Greffin
Quality Assurance and Regulatory Compliance Coordinator
US Ecology Washington, Inc.
1777 Terminal Drive
Richland, WA 99354
Phone: (509) 377-2411
Fax (509) 377-2244

Koeller, Pamela J

From: Kisenwether, Thomas F
Sent: Tuesday, March 03, 2009 4:02 PM
To: Armatrout, Jeffrey F; Houston, Dennis H; McPherson, Robert B
Cc: Boecker, Donald L; Borlaug, William A
Subject: FW: Excess ERDF Soil

It appears this is a lost cause.

From: Douglas Greffin [mailto:DGREFFIN@usecology.com]
Sent: Tuesday, March 03, 2009 3:56 PM
To: Kisenwether, Thomas F
Cc: mault@americanecology.com
Subject: Excess ERDF Soil

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1777 Terminal Drive
Richland, WA 99354
Phone: (509) 377-2411
Fax (509) 377-2244

Koeller, Pamela J

From: Covert, Bruce C
Sent: Monday, April 12, 2010 12:58 PM
To: Borlaug, William A
Subject: FW: ERDF Excess Soils
Follow Up Flag: Follow up
Flag Status: Completed
Attachments: soil transfer order.pdf

Please set up a meeting with this guy, Melvin and Armatrout to discuss path forward. I would like you to lead this effort.

Thanks,
Bruce

From: Melvin, William F
Sent: Tuesday, March 09, 2010 6:51 AM
To: Covert, Bruce C
Subject: FW: ERDF Excess Soils

Bill Melvin
Washington Closure Hanford
ERDF Construction Manager
509-373-9173 (O)
509-554-7547 (C)

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Koeller, Pamela J

From: Douglas Greffin [DGREFFIN@usecology.com]
Sent: Tuesday, April 06, 2010 1:44 PM
To: Melvin, William F
Subject: RE: ERDF Excess Soils

Bill,

I know you have a lot going on but the Washington Department of Health wants the agreement between US Ecology Washington and Washington Closure Hanford to be complete by June 30th. Do you have any information on the instrument we are going to use, MOU or contract and what do you need from us to get things going.
Thanks.

From: Melvin, William F [mailto:wfmelvin@wch-rcc.com]
Sent: Friday, March 12, 2010 3:31 PM
To: Douglas Greffin
Subject: RE: ERDF Excess Soils

Doug,

I am not ignoring you; I have run this up the chain for further instructions. I will advise you when I here back. What is your time frame for removing the soil?
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Bill Melvin
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509-373-9173 (O)
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Koeller, Pamela J

From: Borlaug, William A
Sent: Tuesday, April 13, 2010 12:18 PM
To: Covert, Bruce C
Subject: RE: ERDF Excess Soils

1. US Ecology responsible for all costs to load, transport, and unload soil? Previously WCH was going to pay for this as an ARRA project.

From: Covert, Bruce C
Sent: Monday, April 12, 2010 12:58 PM
To: Borlaug, William A
Subject: FW: ERDF Excess Soils

Please set up a meeting with this guy, Melvin and Armatrout to discuss path forward. I would like you to lead this effort.

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Bruce

From: Melvin, William F
Sent: Tuesday, March 09, 2010 6:51 AM
To: Covert, Bruce C
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Bill Melvin
Washington Closure Hanford
ERDF Construction Manager
509-373-9173 (O)
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Sent: Thursday, March 04, 2010 3:28 PM
To: Melvin, William F
Subject: ERDF Excess Soils

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Koeller, Pamela J

From: Kisenwether, Thomas F
Sent: Wednesday, March 04, 2009 7:14 AM
To: Houston, Dennis H; Armatrout, Jeffrey F; McPherson, Robert B
Cc: Boecker, Donald L; Borlaug, William A
Subject: RE: Excess ERDF Soil

Based on the email that US Ecology sent yesterday and these issues, I believe this is a dead issue.

From: Houston, Dennis H
Sent: Wednesday, March 04, 2009 7:11 AM
To: Kisenwether, Thomas F; Armatrout, Jeffrey F; McPherson, Robert B
Cc: Boecker, Donald L; Borlaug, William A
Subject: RE: Excess ERDF Soil

I talked to Dan Plung this morning. He says from what he knows the funding from this effort will come from the stimulus bill. That means it is "off the books" as far as CSPI calculation, at least until a whole negotiation process takes place. I heard the stimulus money is being tracked as a separate pot of \$. If that is so, getting a free service may also be a problem when the auditors come around.

Dennis H. Houston

Manager, Procurement and Property

Washington Closure Hanford LLC.

2620 Fermi Avenue Richland WA 99354

509-375-4670

From: Kisenwether, Thomas F
Sent: Tuesday, March 03, 2009 4:02 PM
To: Armatrout, Jeffrey F; Houston, Dennis H; McPherson, Robert B
Cc: Boecker, Donald L; Borlaug, William A
Subject: FW: Excess ERDF Soil

It appears this is a lost cause.

From: Douglas Greffin [mailto:DGREFFIN@usecology.com]
Sent: Tuesday, March 03, 2009 3:56 PM
To: Kisenwether, Thomas F
Cc: mault@americanecology.com

Subject: Excess ERDF Soil

Tom,

The earliest that US Ecology Washington, Inc. would be able to move the excess soil would be August 1, 2009. If you start excavation in April like you think, let me know as we may want to grab soil samples during excavation. I will keep you up on any other changes on this end.

Thanks.

Douglas Greffin
Quality Assurance and Regulatory Compliance Coordinator
US Ecology Washington, Inc.
1777 Terminal Drive
Richland, WA 99354
Phone: (509) 377-2411
Fax (509) 377-2244

Koeller, Pamela J

From: Robertson, Owen Jr [Owen_Jr_Robertson@RL.gov]
Sent: Friday, March 12, 2010 2:18 PM
To: Covert, Bruce C; French, Mark S
Cc: Dodd, Ryan A; Brosee, Manfred N (Neil); Wintczak, Thomas M; McPherson, Robert B; Melvin, William F; Franco, Jose R
Subject: RE: ERDF Excess Soils to US Ecology
Follow Up Flag: Follow up
Flag Status: Completed

Bruce,

US Ecology needs to know what type of agreement they need with WCH. Can you do it with an MOU or do you need a Contract? If you're going to incur cost associated with this transfer, you probably need to plan on recovering that from US Ecology.

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Thanks,
Owen

From: Covert, Bruce C [mailto:bccovert@wch-rcc.com]
Sent: Friday, March 12, 2010 9:42 AM
To: French, Mark S; Robertson, Owen Jr
Cc: Dodd, Ryan A; Brosee, Manfred N (Neil); Wintczak, Thomas M; McPherson, Robert B
Subject: FW: ERDF Excess Soils

Mark and Owen,

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Owen we can discuss this further at our weekly interface meeting.

Thank You,
Bruce

From: Melvin, William F
Sent: Tuesday, March 09, 2010 6:51 AM
To: Covert, Bruce C
Subject: FW: ERDF Excess Soils

Bill Melvin
Washington Closure Hanford
ERDF Construction Manager
509-373-9173 (O)
509-554-7547 (C)

From: Douglas Greffin [mailto:DGREFFIN@usecology.com]
Sent: Thursday, March 04, 2010 3:28 PM
To: Melvin, William F
Subject: ERDF Excess Soils

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Koeller, Pamela J

From: Covert, Bruce C
Sent: Thursday, April 15, 2010 5:45 PM
To: Borlaug, William A
Subject: FW: ERDF Excess Soils to US Ecology
Follow Up Flag: Follow up
Flag Status: Completed

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Sent: Friday, March 12, 2010 2:18 PM
To: Covert, Bruce C; French, Mark S
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To: McPherson, Robert B
Cc: Armatrout, Jeffrey F; Melvin, William F
Subject: FW: ERDF Excess Soils to US Ecology
Attachments: soil transfer order.pdf

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STANDARD FORM 122

JUNE 1974
GENERAL SERVICES
ADMINISTRATION
FPMR (41 CFR) 101-32.306
FPMR (41 CFR) 101-43.315

TRANSFER ORDER
EXCESS PERSONAL PROPERTY

1. ORDER NO.

2. DATE

4/16/09

3. TO: General Services Administration*

4. ORDERING AGENCY (Full name and address)*
State of Washington Department of Health (DOH)
309 Bradley Blvd. Suite 201
Richland, WA 99352
Attn: Earl Fordham

5. Holding Agency (Name and Address)*
Washington Closure Hanford, LLC (WCH)
2620 Fermi Avenue
Richland, WA 99354

6. SHIP TO (Consignee and Destination)*
U.S. Ecology (USE)
Richland, WA 99352

7. Location of Property
Washington Closure Hanford, LLC (WCH)
Environmental Remediation Disposal Facility (ERDF)
Richland, WA 99354

8. SHIPPING INSTRUCTIONS

9. Ordering Agency Approval

10. APPROPRIATION SYMBOL AND TITLE

A. Signature *Earl Fordham* B. Date *4/22/09*

C. Title *Regional Director, WDOH*

11. ALLOTMENT

12. GOVERNMENT B/L NO.

13. PROPERTY ORDERED

GSA AND HOLDING AGENCY NOS. (a)	ITEM NO. (b)	DESCRIPTION (Include noun name, FSC Group and Class, Condition Code and, if available, National Stock Number) (c)	UNIT (d)	QUANTITY (e)	ACQUISITION VALUE	
					UNIT (f)	TOTAL (g)
		Excess soil from the excavation of Super Cell 9 This soil is to remain within the confines of the Hanford Site and be used by USE for barrier/capping material on the State of Washington leased land at the Hanford Site, Contract No. A(45-1)-1835. By accepting this excess soil for use, DOH/USE also releases and holds DOE and its contractor WCH harmless from any claims or liabilities related to the use of this soil or its "illegal" transport off the USE site or other unauthorized use. <i>EF</i>	cu yds	800,000	cubic yard	

Personal property purchased from the U. S. Government may or may not be authorized for export from the United States. If export is allowed, the purchaser is solely responsible for obtaining required clearances, approvals, and/or licenses. The purchaser also is required to pass on the DOE's export control guidance if the property is resold or otherwise disposed. The required DOE export control guidance is:

The use, disposition, export, and re-export of this property is subject to all applicable U.S. laws and regulations, including the Atomic Energy Act of 1954, as amended; the Arms Export Control Act ((22 U.S.C 2751 et seq.); the Export Administration Act of 1979 (560 U.S.C Append 2401 et seq.); Assistance to Foreign Atomic Energy Activities (10 CFR part 810); Export and Import of Nuclear Equipment and Material (10 CFR part 110); International Traffic Arms Regulations (22 CFR parts 120 et seq.); Export Administration Regulations (15 CFR part 730 et seq.) Foreign Assets Control Regulations (31 CFR parts 500 et seq.); and the Espionage Act (37 U.S.C. 791 et seq.) which, among other things, prohibits:

- a. The making of false statements and concealment of any material information regarding the use or disposition, export or re-export of the property, and
- b. Any use or disposition, export or re-export of the property which is not authorized in accordance with the provisions of this agreement.

EARL W. FORDHAM

Print or Type Name of Recipient

Signature of Authorized Representative

Print or Type Name If Not Recipient

Title:

Date

TOTAL = \$ - \$ -

14
RELEASING-DOE
APPROVAL

A. SIGNATURE:
Renato Mercado
RENATO MERCADO

B. TITLE:
DOE-RL-OPMO

C. DATE

4/22/09

FOR GSA USE ONLY	AGENCY AND LOCATION		FSC	CONDITION	SOURCE CODE
	AGENCY	STATE			

*INCLUDE ZIP CODE

Koeller, Pamela J

From: Armatrout, Jeffrey F
Sent: Monday, April 19, 2010 6:46 AM
To: Borlaug, William A
Cc: Melvin, William F
Subject: RE: ERDF Excess Soils to US Ecology

We have been having dust issues taking soils from the west side and that soil will be handy for the final cover. Is there a way we can get them to remove soils from the east side.

From: Borlaug, William A
Sent: Monday, April 19, 2010 6:45 AM
To: McPherson, Robert B
Cc: Armatrout, Jeffrey F; Melvin, William F
Subject: FW: ERDF Excess Soils to US Ecology

Bob,

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Subject: FW: ERDF Excess Soils to US Ecology

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Subject: FW: ERDF Excess Soils

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To: Covert, Bruce C
Subject: FW: ERDF Excess Soils

Bill Melvin
Washington Closure Hanford
ERDF Construction Manager
509-373-9173 (O)
509-554-7547 (C)

From: Douglas Greffin [mailto:DGREFFIN@usecology.com]
Sent: Thursday, March 04, 2010 3:28 PM
To: Melvin, William F
Subject: ERDF Excess Soils

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Koeller, Pamela J

From: Borlaug, William A
Sent: Wednesday, April 28, 2010 4:49 PM
To: McPherson, Robert B
Cc: Armatrout, Jeffrey F; Melvin, William F; Covert, Bruce C
Subject: RE: ERDF Excess Soils to US Ecology
Attachments: Draft Excess Soil Agreement 4-28-10.doc; USE soil transfer order.pdf

Attached is a draft agreement for your review. I revised the previous No Cost Services Subcontract to generate this agreement. Please forward any comments and I will finalize.

From: McPherson, Robert B
Sent: Monday, April 19, 2010 10:16 AM
To: Borlaug, William A
Cc: Armatrout, Jeffrey F; Melvin, William F
Subject: RE: ERDF Excess Soils to US Ecology

We need an access and indemnification agreement with US Ecology that allows them to get the soil and protects us if they damage anything we would be concerned about. Also, the agreement needs to be required that they follow any of our rules that apply. I think we can work from the previous agreement.

Bob

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ERDF Construction Manager

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**WASHINGTON CLOSURE HANFORD LLC
ACCESS AND INDEMNIFICATION AGREEMENT**

GRANTEE: US Ecology Washington (USE) **CONTACT:** Mike Ault, Facility Manager
ADDRESS: 1777 Terminal Drive **PHONE:** (509) 377-2411
Richland, Washington 99354

WORK LOCATION: Environmental Restoration and Disposal Facility (ERDF), Hanford, WA

Washington Closure Hanford LLC (WCH), a CONTRACTOR for the United States Department of Energy under Contract Number DE-AC06-05RL14655, grants permission to US Ecology (USE) this _____ day of _____ 2010, to access ERDF to sample, excavate, load, and transport "excess soil" from the ERDF site in accordance with the provisions of this Agreement and the attached *Transfer Order Excess Personal Property* form approved by DOE-RL-OPMO, dated 4/22/09. For this agreement, soils located within the soils stockpile from ERDF Cell 10 are considered "excess soils".

1. USE shall coordinate the work with WCH's ERDF Construction Manager Bill Melvin or Subcontract Technical Representative (STR) Jack Howard.
2. USE shall furnish professional services, including labor, materials, tools and supplies, equipment, transportation and supervision, and shall perform operations to perform this work.
3. USE shall load soil from the east end of the cell 10 excess soil stockpile at the location determined by WCH.
4. Access to ERDF and work on the ERDF site shall be performed during WCH's site work hours: 6:00 a.m to 4:30 p.m Monday through Thursday. Deviation from WCH's site work hours shall be requested in writing and approval shall be at WCH's discretion.
5. Use of access roads on the ERDF site shall be requested in writing and approved by WCH. USE shall comply with ERDF traffic control plans and speed limits while on the ERDF site.
6. USE agrees to indemnify and hold WCH harmless from any loss, cost, or expense for property damage and bodily injury; including death, caused by the negligence or willful misconduct of USE, its agents, employees, or affiliates in connection with this Subcontract.
7. Equipment maintenance activities (including washing, fueling, repairs, daily inspections, etc.) may **NOT** be performed within the ERDF fenced boundary. Equipment shall not be stored/parked within the ERDF fenced boundary when not in use.
8. USE shall control storm water run off. Ponding of storm and dust control water near monitoring wells, ERDF trench, etc. is not allowed.
9. USE is responsible for reporting, controlling, clean up, and disposal of spilled materials/liquids. Refueling of equipment shall not be performed inside the ERDF fenced boundary.

Washington Closure Hanford LLC
By: _____
(print or type)

US Ecology Inc.
By: _____
(print or type)

Signature: _____

Signature: _____

Title: _____

Title: _____

STANDARD FORM 122
JUNE 1974
GENERAL SERVICES
ADMINISTRATION
FPMR (41 CFR) 101-32.306
FPMR (41 CFR) 101-43.315

**TRANSFER ORDER
EXCESS PERSONAL PROPERTY**

1. ORDER NO.

2. DATE
4/16/09

3. TO: General Services Administration*

4. ORDERING AGENCY (Full name and address)*
State of Washington Department of Health (DOH)
309 Bradley Blvd. Suite 201
Richland, WA 99352
Attn: Earl Fordham

5. Holding Agency (Name and Address)*
Washington Closure Hanford, LLC (WCH)
2620 Fermi Avenue
Richland, WA 99354

6. SHIP TO (Consignee and Destination)*
U.S. Ecology (USE)
Richland, WA 99352

7. Location of Property
Washington Closure Hanford, LLC (WCH)
Environmental Remediation Disposal Facility (ERDF)
Richland, WA 99354

8. SHIPPING INSTRUCTIONS

9. Ordering Agency Approval
A. Signature *Earl Fordham* B. Date *4/22/09*

10. APPROPRIATION SYMBOL AND TITLE

C. Title *Regional Director, WDOH*

11. ALLOTMENT 12. GOVERNMENT B/L NO.

13. PROPERTY ORDERED

GSA AND HOLDING AGENCY NOS. (a)	ITEM NO. (b)	DESCRIPTION (Include noun name, FSC Group and Class, Condition Code and, if available, National Stock Number) (c)	UNIT (d)	QUANTITY (e)	ACQUISITION VALUE	
					UNIT (f)	TOTAL (g)
		Excess soil from the excavation of Super Cell 9 This soil is to remain within the confines of the Hanford Site and be used by USE for barrier/capping material on the State of Washington leased land at the Hanford Site, Contract No. A(45-1)-1835. By accepting this excess soil for use, DOH/USE also releases and holds DOE and its contractor WCH harmless from any claims or liabilities related to the use of this soil or its "illegal" transport off the USE site or other unauthorized use. <i>EF</i>	cu yds	800,000	cubic yard	

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The use, disposition, export, and re-export of this property is subject to all applicable U.S. laws and regulations, including the Atomic Energy Act of 1954, as amended; the Arms Export Control Act ((22 U.S.C 2751 et seq.); the Export Administration Act of 1979 (560 U.S.C Append 2401 et seq.); Assistance to Foreign Atomic Energy Activities (10 CFR part 810); Export and Import of Nuclear Equipment and Material (10 CFR part 110); International Traffic Arms Regulations (22 CFR parts 120 et seq.); Export Administration Regulations (15 CFR part 730 et seq.) Foreign Assets Control Regulations (31 CFR parts 500 et seq.); and the Espionage Act (37 U.S.C. 791 et seq.) which, among other things, prohibits:

- a. The making of false statements and concealment of any material information regarding the use or disposition, export or re-export of the property; and
- b. Any use or disposition, export or re-export of the property which is not authorized in accordance with the provisions of this agreement.

EARL W. FORDHAM
Print or Type Name of Recipient

Signature of Authorized Representative

Title:

Date

TOTAL = \$ - \$ -

14. RELEASING-DOE APPROVAL

A. SIGNATURE: *Renato Mercado* B. TITLE: DOE-RL-OPMO C. DATE: *4/22/09*

FOR GSA USE ONLY	AGENCY AND LOCATION		FSC	CONDITION	SOURCE CODE
	AGENCY	STATE			

Koeller, Pamela J

From: McPherson, Robert B
Sent: Thursday, April 29, 2010 8:25 AM
To: Borlaug, William A
Cc: Armatrout, Jeffrey F; Melvin, William F; Covert, Bruce C; Feaster, Scott L; Koeller, Pamela J
Subject: RE: ERDF Excess Soils to US Ecology
Follow Up Flag: Follow up
Flag Status: Completed
Attachments: Draft Excess Soil Agreement 4-28-10R1.doc

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509-373-9173 (O)
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USEcologyWashington

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dgreffin@usecology.com*

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**WASHINGTON CLOSURE HANFORD LLC
ACCESS AND INDEMNIFICATION AGREEMENT**

GRANTEE: US Ecology Washington (USE) **CONTACT:** Mike Ault, Facility Manager
ADDRESS: 1777 Terminal Drive **PHONE:** (509) 377-2411
Richland, Washington 99354

WORK LOCATION: Environmental Restoration and Disposal Facility (ERDF), Hanford, WA

Washington Closure Hanford LLC (WCH), a CONTRACTOR for the United States Department of Energy (DOE) under Contract Number DE-AC06-05RL14655, grants permission to US Ecology (USE) this ____ day of _____ 2010, to access ERDF to sample, excavate, load, and transport "excess soil" from the ERDF site in accordance with the provisions of this Agreement and the attached *Transfer Order Excess Personal Property* form approved by DOE-RL-OPMO, dated 4/22/09. For this agreement, **up to 800 cubic yards of soils** located within the soils stockpile from ERDF Cell 10 are considered "excess soils."

1. USE shall coordinate the work with WCH's ERDF Construction Manager, Bill Melvin, or Subcontract Technical Representative (STR), Jack Howard.
2. USE shall furnish **all** professional services, including labor, materials, tools and supplies, equipment, transportation and supervision **required to sample and remove the excess soil**, and shall perform operations to perform this work.
3. USE shall load soil from the east end of the cell 10 excess soil stockpile at the location determined by WCH.
4. Access to ERDF and work on the ERDF site shall be performed during WCH's site work hours: 6:00 a.m to 4:30 p.m Monday through Thursday. Deviation from WCH's site work hours shall be requested in writing and approval shall be at WCH's discretion.
5. Use of access roads on the ERDF site shall be requested in writing and approved by WCH. USE shall comply with ERDF traffic control plans and speed limits while on the ERDF site.
6. **This soil is to remain within the confines of the Hanford Site and be used by USE for barrier/capping material on the State of Washington leased land, Contract No. A(45-1)-1835. By accepting this excess soil for use, USE releases and holds DOE and WCH harmless from any claims and liabilities related to the removal and use of this soil or its transport off the USE site or other unauthorized use.** ~~USE agrees to indemnify and hold WCH harmless from any loss, cost, or expense for property damage and bodily injury, including death, caused by the negligence or willful misconduct of USE, its agents, employees, or affiliates in connection with this Subcontract.~~
7. ~~ME~~Equipment maintenance activities (including washing, fueling, repairs, daily inspections, etc.) may **NOT** be performed **on USE equipment or its subcontractor's equipment** within the ERDF fenced boundary. ~~USE e~~Equipment shall not be stored/parked within the ERDF fenced boundary when not in use.
8. USE shall control storm water run off **from its activities performed on the ERDF site**. Ponding of storm and dust control water near monitoring wells, ERDF trench, etc. is not allowed.
9. USE is responsible for reporting, controlling, clean up, and disposal of spilled materials/liquids. Refueling of equipment shall not be performed inside the ERDF fenced boundary.

Washington Closure Hanford LLC

US Ecology Inc.

By: _____
(print or type)

By: _____
(print or type)

Signature: _____

Signature: _____

Title: _____

Title: _____

DRAFT

Koeller, Pamela J

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509-554-7547 (C)

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Bill,

Please add that a fuel tank may not be located at ERDF. With that I'm good to go.

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From: Borlaug, William A
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Thanks,
Owen

From: Covert, Bruce C [mailto:bccovert@wch-rcc.com]
Sent: Friday, March 12, 2010 9:42 AM

To: French, Mark S; Robertson, Owen Jr
Cc: Dodd, Ryan A; Brosee, Manfred N (Neil); Wintczak, Thomas M; McPherson, Robert B
Subject: FW: ERDF Excess Soils

Mark and Owen,

We received this request from US Ecology last week and need to know what is DOE's plan for this work scope going forward?

Owen we can discuss this further at our weekly interface meeting.

Thank You,
Bruce

From: Melvin, William F
Sent: Tuesday, March 09, 2010 6:51 AM
To: Covert, Bruce C
Subject: FW: ERDF Excess Soils

Bill Melvin
Washington Closure Hanford
ERDF Construction Manager
509-373-9173 (O)
509-554-7547 (C)

From: Douglas Greffin [mailto:DGREFFIN@usecology.com]
Sent: Thursday, March 04, 2010 3:28 PM
To: Melvin, William F
Subject: ERDF Excess Soils

Bill,
Jack Howard said I need to contact you in regards to US Ecology Washington using the up to 800,000 yards of the excess soils from super cells 9. DOE has released (copy attached) the soil to the Washington Department of Health for use by US Ecology for closure cap construction. What I need to know is what type of mechanism (MOU, no cost contract, etc.) we are going to need for us to hire a contractor to remove the soils from the ERDF facility and bring it to our facility for cap construction. Any help you can provide would be appreciated. Thanks.

Douglas Greffin
Quality Assurance and Regulatory Compliance Coordinator

USEcologyWashington

*1777 Terminal Drive
Richland, WA, 99354
Tel: 509.377.2411 | Fax: 509.377.2244
dgreffin@usecology.com*

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Koeller, Pamela J

From: McPherson, Robert B
Sent: Friday, April 30, 2010 2:51 PM
To: Melvin, William F; Borlaug, William A
Cc: Armatrout, Jeffrey F; Covert, Bruce C; Feaster, Scott L; Koeller, Pamela J
Subject: RE: ERDF Excess Soils to US Ecology

Attachments: image001.jpg

Changes/corrections sound fine. Paragraph 7 is yours. Fix it like you want.

Bob

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

From: Melvin, William F
Sent: Fri 4/30/2010 10:34 AM
To: McPherson, Robert B; Borlaug, William A
Cc: Armatrout, Jeffrey F; Covert, Bruce C; Feaster, Scott L; Koeller, Pamela J
Subject: RE: ERDF Excess Soils to US Ecology

I was locked out of the document and couldn't make changes. Paragraph 7 has an M in front of Equipment in the first sentence and a Equipment is spelled 'eEquipment in the 2nd sentence.

Para 7: Why are we forcing them to fuels and lube off the ERDF site. This will force them to run their excavator and dozer off site to perform these minor maintenance items. I believe the way this is worded it implies that they cannot sore there equipment over night or weekends at ERDF. It is not reasonable to request a constructor relocate the equipment over night and weekends etc. It is costly and hard on the equipment.

Para 8: USE should be required reconfigure the stockpile after they are finished removing material so that loose or scattered material are pushed back into the main pile, that there are no areas of that will allow significant ponding on the pile and to re-apply a fixative to inhibit dust.

Para 9: Fueling (2nd sentence) is covered in para 7.

Bill Melvin

Washington Closure Hanford
ERDF Construction Manager
509-373-9173 (O)
509-554-7547 (C)

From: McPherson, Robert B
Sent: Thursday, April 29, 2010 8:25 AM
To: Borlaug, William A
Cc: Armatrout, Jeffrey F; Melvin, William F; Covert, Bruce C; Feaster, Scott L; Koeller, Pamela J
Subject: RE: ERDF Excess Soils to US Ecology

Nice job Bill. See attached suggested revisions. I changed the indemnity clause consistent with the DOE transfer order

Bob

From: Borlaug, William A
Sent: Wednesday, April 28, 2010 4:49 PM
To: McPherson, Robert B
Cc: Armatrout, Jeffrey F; Melvin, William F; Covert, Bruce C
Subject: RE: ERDF Excess Soils to US Ecology

Attached is a draft agreement for your review. I revised the previous No Cost Services Subcontract to generate this agreement. Please forward any comments and I will finalize.

From: McPherson, Robert B
Sent: Monday, April 19, 2010 10:16 AM
To: Borlaug, William A
Cc: Armatrout, Jeffrey F; Melvin, William F
Subject: RE: ERDF Excess Soils to US Ecology

We need an access and indemnification agreement with US Ecology that allows them to get the soil and protects us if they damage anything we would be concerned about. Also, the agreement needs to be required that they follow any of our rules that apply. I think we can work from the previous agreement.

Bob

From: Borlaug, William A
Sent: Monday, April 19, 2010 6:45 AM
To: McPherson, Robert B
Cc: Armatrout, Jeffrey F; Melvin, William F
Subject: FW: ERDF Excess Soils to US Ecology

Bob,

US Ecology soil is back. Current plan is for US Ecology to load and haul the soil (at their cost) from soil WCH has already stockpiled. What type of mechanism does WCH need with US Ecology? US Ecology's subcontractor would be working on the ERDF site to load the soil out of an existing stockpile.

Thanks,

Bill Borlaug

From: Covert, Bruce C
Sent: Thursday, April 15, 2010 5:45 PM

To: Borlaug, William A
Subject: FW: ERDF Excess Soils to US Ecology

From: Robertson, Owen Jr [mailto:Owen_Jr_Robertson@RL.gov]
Sent: Friday, March 12, 2010 2:18 PM
To: Covert, Bruce C; French, Mark S
Cc: Dodd, Ryan A; Brosee, Manfred N (Neil); Wintczak, Thomas M; McPherson, Robert B; Melvin, William F; Franco, Jose R
Subject: RE: ERDF Excess Soils to US Ecology

Bruce,

US Ecology needs to know what type of agreement they need with WCH. Can you do it with an MOU or do you need a Contract? If you're going to incur cost associated with this transfer, you probably need to plan on recovering that from US Ecology.

As to DOE's plan for this work scope going forward, I think the Standard Form 122 (the one US Ecology sent Melvin) declaring this soil excess property pretty well covers it. Giving US Ecology 800,000 cubic yards of soil saves DOH a tremendous amount of money. Surely they can come with the funds to transport it.

Thanks,

Owen

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Sent: Friday, March 12, 2010 9:42 AM
To: French, Mark S; Robertson, Owen Jr
Cc: Dodd, Ryan A; Brosee, Manfred N (Neil); Wintczak, Thomas M; McPherson, Robert B
Subject: FW: ERDF Excess Soils

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Subject: FW: ERDF Excess Soils

Bill Melvin
Washington Closure Hanford
ERDF Construction Manager
509-373-9173 (O)
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From: Douglas Greffin [mailto:DGREFFIN@usecology.com]
Sent: Thursday, March 04, 2010 3:28 PM

To: Melvin, William F
Subject: ERDF Excess Soils

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Douglas Greffin

Quality Assurance and Regulatory Compliance Coordinator

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dgreffin@usecology.com <<mailto:dgreffin@usecology.com>>

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