Appendix F

Cost Estimate for the CFA-04 Remedial Design/Remedial Action Work Plan

Idaho National Engineering and Environmental Laboratory

INTEROFFICE MEMORANDUM

Date: December 16, 2002

To: D. J. Wagoner MS 3950 6-9989

From: R. D. Roseland RDR MS 3655 6-0316

Subject: CFA-04 MERCURY-CONTAMINATED POND REMEDIAL ACTION (UTILIZING END DUMP TRUCKS AND ROLL OFF TRUCKS)

Estimating Services has prepared the attached Project Support Cost Estimate and resource-loaded schedule with logic ties for the CFA-04 Mercury-Contaminated Pond Remedial Action Project. The Total Estimated Cost (TEC) for this project is $1,090,000. The estimate is based on Title II design drawings and specifications, the *Final Comprehensive Record of Decision for Central Facilities Area Operable Unit 4-13*, e-mailed information received from the requester, conversations with the requester and other Waste Area Group (WAG) 4 personnel, conversations with design personnel, conversations with the INEEL CERCLA Disposal Facility (ICDF) project manager responsible for staging/sizing/treatment, conversations with the proposed construction coordinator, conversations with Waste Generator Services (WGS) personnel, and assumptions as outlined in the attachments. Any changes to the scope of work could have a significant impact on the cost estimate and should be reviewed by Estimating Services. Per discussions with the requester, no contingency allowance has been included in the estimate at this time.

Attached for your review are the TEC Summary Report, Project Summary Report, Cost Estimate Support Data Recapitulation, Environmental Restoration (ER) Detail Item Report, and a Primavera bar chart with associated miscellaneous reports (Primavera files will be transmitted electronically).

If you have any questions or comments, please do not hesitate to contact me at 526-0316 or e-mail ID ROSERD.

RDR

Attachments

cc: J. C. Lagerquist, MS 2510
D. H. Preussner, MS 3950
S. W. Sherick, MS 3940
R. K. Wadsworth, MS 4140
Estimate File 3951-E5
R. D. Roseland Letter File (RDR-32-02)

Uniform File Code: 8000
Disposition Authority: A16-1.5-b
Retention Schedule: Cut off at the end of each fiscal year. Destroy 15 years after cutoff.

NOTE: Original disposition authority, retention schedule, and Uniform Filing Code applied by the sender may not be appropriate for all recipients. Make adjustments as needed.

Project Name:
CFA-04 MERCURY POND REMEDIAL ACTION (WITH END DUMPS & ROLL-OFFS)
Project Location: *Central Facilities Area*
Project Number: *3951-E5*

TEC Summary Report 1

ESTIMATE ELEMENT	Estimate Subtotal	Escalation	Contingency	TOTAL
		0.72%	*0.00%*	
Total Estimated Cost (TEC)	**$1,086,703**	**$7,868**	**$0**	**$1,094,571**
		0.72%	*0.00%*	
Total Estimated Cost (TEC)	$1,086,703	$7,868	$0	$1,094,571
Rounded TEC (Rounded to the nearest $ 10000)				$1,090,000

		Remarks
Type of Estimate:	Project Support	
Estimator:	R. D. Roseland	
Checked By:		
Approved By:		

INEEL

Project Name:
CFA-04 MERCURY POND REMEDIAL ACTION (WITH END DUMPS & ROLL-OFFS)
Project Location: ***Central Facilities Area***
Estimate Number:***3951-E5***

Project Summary Report

Client: ***D. J. Wagoner***
Prepared By: ***R. D. Roseland***
Estimate Type: ***Project Support***

LEVEL		Estimate Subtotal	Escalation	Contingency	Contingency %	TOTAL
3	DESIGN	$22,696	$0	$0	0.00%	$22,696
3.02	**--PROJECT MANAGEMENT & SUPPORT**	**$22,696**	**$0**	**$0**	**0.00%**	**$22,696**
3.02.01	**----MANAGEMENT & SUPPORT PERSONNEL DURING DESIGN PHASE**	**$886**	**$0**	**$0**	**0.00%**	**$886**
D35120	------OBTAIN DAVIS-BACON RULING	$554	$0	$0	0.00%	$554
D35150	------ISSUE 14 DAY NOTIFICATION OF START OF CONST.	$332	$0	$0	0.00%	$332
3.02.06	**----PROCUREMENT - EQUIPMENT & MATERIALS**	**$5,937**	**$0**	**$0**	**0.00%**	**$5,937**
D35130	------LEASE EQUIPMENT & PURCHASE MATERIALS	$5,937	$0	$0	0.00%	$5,937
3.02.09	**----GOVERNMENT CONSTRUCTION MANAGEMENT**	**$15,873**	**$0**	**$0**	**0.00%**	**$15,873**
D35140	------DEVELOP WORK CONTROL (WCF, WOs, SWPs, ETC.)	$15,873	$0	$0	0.00%	$15,873
4	CONSTRUCTION	$1,040,824	$7,868	$0	0.00%	$1,048,692
4.02	**--MANAGEMENT & SUPPORT PERSONNEL DURING CONSTRUCTION**	**$500,738**	**$4,871**	**$0**	**0.00%**	**$505,609**
4.02.01	**----PROJECT MANAGEMENT/SUPPORT/ADMINISTRATION**	**$6,581**	**$84**	**$0**	**0.00%**	**$6,665**
D36141	------PHOTOS & VIDEO DURING EXCAVATION	$4,757	$0	$0	0.00%	$4,757
D38141	------PHOTOS & VIDEO DURING BACKFILL/REVEGETATION	$1,824	$84	$0	0.00%	$1,908
4.02.07	**----A/E SUPPORT**	**$7,934**	**$104**	**$0**	**0.00%**	**$8,038**
D36120	------A-E OVERSIGHT DURING EXCAVATION	$5,667	$0	$0	0.00%	$5,667
D38120	------A-E OVERSIGHT DURING BACKFILL/REVEGETATION	$2,267	$104	$0	0.00%	$2,371
4.02.09	**----CONSTRUCTION MANAGEMENT**	**$406,713**	**$3,782**	**$0**	**0.00%**	**$410,496**
D36130	------D&D CONSTRUCTION COORD. DURING EXCAVATION	$19,842	$0	$0	0.00%	$19,842
D36150	------SAFETY SUPPORT PERSONNEL DURING EXCAVATION	$167,190	$0	$0	0.00%	$167,190
D36170	------FIELD SUPPORT/SUPPLIES/EQUIPMENT DURING EXCAVATION	$91,629	$0	$0	0.00%	$91,629
D36220	------TRANSPORTATION & WGS SUPPORT DURING EXCAVATION	$45,826	$0	$0	0.00%	$45,826

Project Name:
CFA-04 MERCURY POND REMEDIAL ACTION (WITH END DUMPS & ROLL-OFFS)
Project Location: *Central Facilities Area*
Estimate Number: *3951-E5*

Project Summary Report

Client: *D. J. Wagoner*
Prepared By: *R. D. Roseland*
Estimate Type: *Project Support*

LEVEL		Estimate Subtotal	Escalation	Contingency	Contingency %	TOTAL
D38130	------D&D CONSTRUCTION COORD. DURING BKFL/REVEGETATION	$7,606	$350	$0	0.00%	$7,956
D38140	------SAFETY SUPPORT PERSONNEL DURING BKFL/REVEGETATION	$41,257	$1,898	$0	0.00%	$43,155
D38150	------FIELD SUPPORT/SUPPLIES/EQUIPMENT DURING BKFL/REVEGETATION	$33,362	$1,535	$0	0.00%	$34,897
4.02.15	**----CLOSEOUT ACTIVITIES**	**$79,509**	**$900**	**$0**	**0.00%**	**$80,410**
D38300	------PREPARE DRAFT CHECKLIST	$2,737	$0	$0	0.00%	$2,737
D38320	------PERFORM PRE-FINAL INSPECTION WITH AGENCIES	$6,982	$321	$0	0.00%	$7,304
D38330	------CORRECT ANY DEFICIENCIES NOTED IN PRE-FINAL INSP	$5,180	$238	$0	0.00%	$5,418
D38340	------PERFORM FINAL INSPECTION	$6,086	$280	$0	0.00%	$6,366
D38350	------TURN-BACK TO LANDLORD	$1,323	$61	$0	0.00%	$1,384
D38360	------WRITE DRAFT REMEDIAL ACTION REPORT	$13,498	$0	$0	0.00%	$13,498
D38370	------SUBMIT PRELIM DRAFT RA REPORT TO ORB/DOE-ID	$730	$0	$0	0.00%	$730
D38380	------REVIEW OF PRELIM DRAFT RA REPORT BY ORB/DOE-ID	$18,537	$0	$0	0.00%	$18,537
D38390	------RESOLVE/INCORP DRAFT RA REPORT COMMENTS	$9,849	$0	$0	0.00%	$9,849
D38400	------SUBMIT REMEDIAL ACTION REPORT TO AGENCIES	$730	$0	$0	0.00%	$730
D38420	------RESOLVE/INCORP AGENCY COMMENTS ON RA REPORT	$6,199	$0	$0	0.00%	$6,199
D38430	------SUBMIT REVISED RA REPORT TO AGENCIES	$730	$0	$0	0.00%	$730
D38450	------RESOLVE/INCORP AGENCY COMMENTS ON REVISED RA REPORT	$6,199	$0	$0	0.00%	$6,199
D38460	------ISSUE FINAL REMEDIAL ACTION REPORT TO AGENCIES	$730	$0	$0	0.00%	$730
4.05	**--SITE WORK**	**$485,755**	**$2,945**	**$0**	**0.00%**	**$488,700**
4.05.01	**----MOBILIZATION**	**$16,538**	**$217**	**$0**	**0.00%**	**$16,755**
D36100	------PROJECT MOBILIZATION - EXCAVATION	$8,988	$0	$0	0.00%	$8,988
D36160	------FIELD PERSONNEL TRAINING - EXCAVATION	$2,838	$0	$0	0.00%	$2,838

Project Name:
CFA-04 MERCURY POND REMEDIAL ACTION (WITH END DUMPS & ROLL-OFFS)
Project Location: ***Central Facilities Area***
Estimate Number:***3951-E5***

Project Summary Report

Client: ***D. J. Wagoner***
Prepared By: ***R. D. Roseland***
Estimate Type: ***Project Support***

LEVEL		Estimate Subtotal	Escalation	Contingency	Contingency %	TOTAL
D38100	-----FIELD PERSONNEL TRAINING - BKFL/REVEGETATION	$1,234	$57	$0	0.00%	$1,290
D38110	-----PROJECT MOBILIZATION - BACKFILL/REVEGETATION	$3,479	$160	$0	0.00%	$3,639
4.05.02	**----CLEANUP/LANDSCAPING/REVEVEGETATION**	**$19,447**	**$895**	**$0**	**0.00%**	**$20,341**
D38190	-----PREPARE & SEED POND & DISTURBED AREAS	$8,257	$380	$0	0.00%	$8,637
D38200	-----PLACE GFE WOOD CHIPS AT REVEGETATED AREA	$11,189	$515	$0	0.00%	$11,704
4.05.03	**----CLEAR & GRUB**	**$2,445**	**$0**	**$0**	**0.00%**	**$2,445**
D36210	-----CLEAR & GRUB	$2,445	$0	$0	0.00%	$2,445
4.05.04	**----DISMANTLING & DEMOLITION**	**$11,494**	**$0**	**$0**	**0.00%**	**$11,494**
D36180	-----REMOVE EXISTING FENCING	$8,085	$0	$0	0.00%	$8,085
D36200	-----REMOVE TEMPORARY POWER POLE, PANEL, & CABLE	$3,409	$0	$0	0.00%	$3,409
4.05.05	**----EXCAVATION & EARTHWORK**	**$423,404**	**$1,603**	**$0**	**0.00%**	**$425,007**
D36190	-----BUILD PLATFORMS FOR TRUCK LINER ACCESS	$5,717	$0	$0	0.00%	$5,717
D36230	-----EXC & HAUL NON-RAD Hg SOIL/ACM TO CFA	$54,582	$0	$0	0.00%	$54,582
D36240	-----EXCAVATE FOR BOTTLES CONTAINING CALCINE	$5,406	$0	$0	0.00%	$5,406
D36241	-----EXC & HAUL DEEPER Hg SOIL TO ICDF	$62,459	$0	$0	0.00%	$62,459
D36250	-----EXC & HAUL TCLP SOIL TO ICDF	$19,638	$0	$0	0.00%	$19,638
D36260	-----EXC & HAUL LOW-LEVEL Hg SOIL TO ICDF	$54,118	$0	$0	0.00%	$54,118
D36271	-----CLEAN BASALT SURFACE AT DEEPER Hg SOIL AREAS	$99,272	$0	$0	0.00%	$99,272
D36272	-----CLEAN BASALT SURFACE AT LOW-LEVEL Hg SOIL AREAS	$74,147	$0	$0	0.00%	$74,147
D38160	-----IMPORT PIT RUN GRAVEL FOR LOW-LEVEL Hg SOIL AREAS	$17,225	$792	$0	0.00%	$18,018
D38171	-----PLACE PIT RUN GRAVEL AT NON-RAD Hg SOIL AREAS	$13,217	$608	$0	0.00%	$13,825
D38172	-----GRADE SLOPES & PLACE SOIL AT NON-RAD Hg SOIL AREAS	$4,406	$203	$0	0.00%	$4,608

Project Name:
CFA-04 MERCURY POND REMEDIAL ACTION (WITH END DUMPS & ROLL-OFFS)
Project Location: *Central Facilities Area*
Estimate Number: *3951-E5*

Project Summary Report

Client: *D. J. Wagoner*
Prepared By: *R. D. Roseland*
Estimate Type: *Project Support*

LEVEL		Estimate Subtotal	Escalation	Contingency	Contingency %	TOTAL
D38181	------PLACE PIT RUN GRAVEL AT LOW-LEVEL Hg SOIL AREAS	$8,812	$0	$0	0.00%	$8,812
D38182	------GRADE SLOPES & PLACE SOIL AT LOW-LEVEL Hg SOIL AREAS	$4,406	$0	$0	0.00%	$4,406
4.05.36	**----DEMOBILIZATION**	**$12,426**	**$231**	**$0**	**0.00%**	**$12,657**
D36280	------DECONTAMINATE EQUIPMENT	$695	$0	$0	0.00%	$695
D36290	------PROJECT DEMOBILIZATION - EXCAVATION	$6,712	$0	$0	0.00%	$6,712
D38220	------FINAL HOUSEKEEPING, ENSURE PROPER SIGNAGE	$1,646	$76	$0	0.00%	$1,721
D38230	------PROJECT DEMOBILIZATION - BACKFILL/REVEGETATION	$3,374	$155	$0	0.00%	$3,529
4.07	**--INVESTIGATIONS AND MONITORING/SAMPLE COLLECTION**	**$19,411**	**$0**	**$0**	**0.00%**	**$19,411**
4.07.11	**----SOIL/SEDIMENT SAMPLING**	**$19,411**	**$0**	**$0**	**0.00%**	**$19,411**
D37110	------FIELD SAMPLING & ANALYSIS DURING EXCAVATION	$16,834	$0	$0	0.00%	$16,834
D37111	------FIELD/CONFIRMATION SAMPLING NON-RAD Hg SOIL/ACM	$859	$0	$0	0.00%	$859
D37115	------FIELD/CONFIRMATION SAMPLING DEEPER Hg SOIL	$859	$0	$0	0.00%	$859
D37119	------FIELD/CONFIRMATION SAMPLING TCLP & Hg SOIL	$859	$0	$0	0.00%	$859
4.08	**--SAMPLE ANALYSIS**	**$32,027**	**$0**	**$0**	**0.00%**	**$32,027**
4.08.04	**----SOIL/SEDIMENT SAMPLE ANALYSIS**	**$32,027**	**$0**	**$0**	**0.00%**	**$32,027**
D37112	------FIELD ANALYSIS NON-RAD Hg SOIL/ACM	$859	$0	$0	0.00%	$859
D37113	------CONFIRMATION ANALYSIS NON-RAD Hg SOIL/ACM	$11,780	$0	$0	0.00%	$11,780
D37116	------FIELD ANALYSIS DEEPER Hg SOIL	$859	$0	$0	0.00%	$859
D37117	------CONFIRMATION ANALYSIS DEEPER Hg SOIL	$5,890	$0	$0	0.00%	$5,890
D37120	------FIELD ANALYSIS TCLP & LOW-LEVEL Hg SOIL	$859	$0	$0	0.00%	$859
D37121	------CONFIRMATION ANALYSIS TCLP & LOW-LEVEL Hg SOIL	$11,780	$0	$0	0.00%	$11,780
4.09	**--SAMPLE MANAGEMENT/DATA VALIDATION/DATA EVALUATION**	**$2,893**	**$52**	**$0**	**0.00%**	**$2,945**

Project Name:
CFA-04 MERCURY POND REMEDIAL ACTION (WITH END DUMPS & ROLL-OFFS)
Project Location: *Central Facilities Area*
Estimate Number:*3951-E5*

Project Summary Report

Client: *D. J. Wagoner*
Prepared By: *R. D. Roseland*
Estimate Type: *Project Support*

LEVEL		Estimate Subtotal	Escalation	Contingency	Contingency %	TOTAL
D37114	----VALIDATION NON-RAD Hg SOIL/ACM	$1,131	$0	$0	0.00%	$1,131
D37118	----VALIDATION DEEPER Hg SOIL	$631	$0	$0	0.00%	$631
D37122	----VALIDATION TCLP & LOW-LEVEL Hg SOIL	$1,131	$52	$0	0.00%	$1,183
GAPIF	BBWI PF AND G&A	$23,183	$0	$0	0.00%	$23,183
Total	CFA-04 MERCURY-CONTAMINATED POND REMEDIAL ACTION	$1,086,703	$7,868	$0	0.00%	$1,094,571

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Bechtel BWXT Idaho, LLC

COST ESTIMATE SUPPORT DATA RECAPITULATION

Project Title:	CFA-04 MERCURY-CONTAMINATED POND REMEDIAL ACTION (UTILIZING END DUMP TRUCKS AND ROLL OFF CONTAINERS)
Estimator:	R. D. Roseland
Date:	December 16, 2002
Estimate Type:	Project Support
File:	3951-E3
Approved By:	

I. **SCOPE OF WORK:** *Brief description of the proposed project.*

The scope of work consists of performing remedial action work activities for Idaho National Engineering and Environmental Laboratory (INEEL) Central Facilities Area (CFA) Waste Area Group (WAG) 4, Operable Unit 4-13, site CFA-04 (mercury-contaminated pond). The work involves removal of fencing and a power line pole and excavating approximately 10,597 cubic yards (CY) of soil and some asbestos-containing roofing material from the pond that exceeds the mercury final remediation goal of 0.50 mg/kg. This material will be transported to the INEEL CERCLA Disposal Facility (ICDF) and the CFA landfill for treatment and/or disposal. Once all contaminated material has been removed, the excavated area will be partially backfilled, graded, revegetated, and covered with wood chip mulch.

II. **BASIS OF THE ESTIMATE:** *Drawings, Design Report, Engineers Notes and/or other documentation upon which the estimate is originated.*

The estimate is based on Title II design drawings and specifications, the *Final Comprehensive Record of Decision for Central Facilities Area Operable Unit 4-13*, e-mailed information received from the requester, conversations with the requester and other WAG 4 personnel, conversations with the ICDF project manager in charge of staging/sizing/treatment, conversations with the proposed construction coordinator, conversations with Waste Generator Services (WGS) personnel, and assumptions as outlined herein. Any changes to the methodology or assumptions used to prepare the estimate may have a significant effect on the cost estimate.

III. **ASSUMPTIONS:** *Conditions statements accepted or supposed true without proof of demonstration. An assumption has a direct impact on total estimated cost.*

This estimate assumes the following:

A. The demolition and excavation work will be performed in FY 2003. The backfilling/grading, revegetation, and mulching work will be performed in FY 2004. All work will be performed by INEEL D&D craft persons.

B. No allowance has been included for construction complications caused by weather conditions. Specifically excluded from the estimate are any provisions for temporary weather shelters, for preventing rainwater or runoff from entering the excavated areas, or for preventing accelerated movement/infiltration of mercury or other contaminants caused by rainfall, runoff, or snowfall.
C. No allowance has been included for overtime and premium labor rates.
D. All material excavated from the pond will meet ICDF waste acceptance criteria. No funds are included in the estimate for treatability studies, etc.
E. No more than 10,597 CY of material will have to be excavated. Included in this quantity are no more than 674 CY of "low level TCLP Hg" soil that will require cement stabilization (per the requester, the ICDF will perform the stabilization work).
F. All excavated soil transported to the ICDF will be hauled in roll off containers and will be unloaded by ICDF personnel. The 674 CY of low level TCLP Hg material will be segregated from other material during loading operations at the pond. The ICDF is to provide a lay down area and tarpaulin covers should any material need to be stockpiled at that facility.
G. Per the requester, it has been assumed that the ICDF will not provide the roll off containers and that 40 containers will be provided (rented) by WAG 4. It has also been assumed that the ICDF will have the capability of unloading at least 22 containers per workday.
H. Funds have been included in the estimate to rent two semi trailers for transporting the roll off containers.
I. No funds have been included in the estimate for ICDF treatment (cement stabilization) and disposal (transporting material to the disposal pit and compacting) costs or for surveillance and monitoring costs associated with the material excavated from the pond.
J. Liners will be placed in all trucks hauling the excavated soil to the ICDF.
K. The mercury-contaminated soil and asbestos-containing roofing material that is to be transported to the CFA landfill for disposal will be hauled in end dump trucks.
L. No funds have been included in the estimate for rock excavation.
M. Funds have been including in the estimate for purchasing a large vacuum cleaner to assist with cleaning the exposed basalt rock.
N. No funds for preremediation sampling and analysis work have been included in the estimate. An allowance has been included for limited sampling and analysis during the excavation work and for final sampling and analysis prior to the revegetation work.
O. An allowance has been included in the estimate for special personal protective equipment (booties, suits, gloves, masks, etc.) that may be required.
P. Funds have been included in the estimate to provide platforms for accessing the roll off containers.

Q. The excavated pond will not be completely backfilled to match the surrounding terrain in order to avoid importing an excessive amount of borrow material. The pond will only be backfilled to approximately six inches below pre-excavation grade with imported pit run gravel (assumed to be available at no charge from a nearby INEEL borrow pit). The pit run gravel will then be covered with a six inch layer of soil taken from the surrounding area (it is assumed that the surrounding soil is not contaminated). The perimeter of the pond and adjacent areas will then be contoured and revegetated.
R. It has been assumed that fully trained craft persons will be available. Therefore, this estimate only includes an allowance for incidental training of the work force. No allowance has been included for the training of non-craft support personnel.
S. Activity specific assumptions that are considered to also reflect the basis of this estimate have been included within the estimate body (reference cost estimating detail sheets).

IV. CONTINGENCY GUIDELINE IMPLEMENTATION: *The percentage used for contingency as determined by the contingency allowance guidelines can be altered to reflect the type of construction and conditions that may impact the total estimated cost.*

Per discussions with the requester, no contingency allowance has been included in the estimate at this time.

Considerations that contribute significantly to the project risk include:
A. The ICDF may not be fully operational or capable of performing cement stabilization.
B. A sufficient quantity of roll off containers may not be available.
C. The ICDF may not be able to unload a sufficient quantity of containers each workday.
D. The quantity of soil requiring cement stabilization may be higher than anticipated. This could impact excavation work and increase the turnaround time for the roll off containers after they are delivered to the ICDF.
E. Sampling and analysis requirements during excavation or prior to backfill may increase and cause delays to these operations.
F. Unforeseen materials could be discovered at the pond during sampling or excavation.
G. Waste acceptance criteria or other requirements the ICDF has may change.

V. OTHER COMMENTS/CONCERNS SPECIFIC TO THE ESTIMATE:

A. Costs for current General and Administrative (G&A) allowance and procurement fees have been included in the SUCCESS estimate.
B. Escalation has been included in the SUCCESS estimate to reflect FY 2004 costs.

Project Name:
CFA-04 MERCURY POND REMEDIAL ACTION (WITH END DUMPS & ROLL-OFFS)
Project Location: ***Central Facilities Area***
Estimate Number: ***3951-E5***

ER DETAIL ITEM REPORT

Client: ***D. J. Wagoner***
Prepared By: ***R. D. Roseland***
Estimate Type: ***Project Support***

LEVEL	Org/Subcontractor	QTY	Hrs	Crew/Rate	Labor	Const Eqp	Matl	S/C	Other	TOTAL
-- D35120 OBTAIN DAVIS-BACON RULING										
	BBWI-A	U.C. per LOT	5	E34	483.98	0	0	0	0	483.98
PROJECT ENGINEER		1.00	5	$96.80	$484	$0	$0	$0	$0	$484
Memo: Reviews Davis-Bacon form & submits to DOE-ID.										
Subtotal					$484	$0	$0	$0	$0	$484
Sales Tax					$0	$0	$0	$0	$0	$0
INEEL ORG Labor/Subcontractor Overheads					$70	$0	$0	$0	$0	$70
Subtotal Estimate										**$554**
Escalation					$0	$0	$0	$0	$0	$0
Contingency					$0	$0	$0	$0	$0	$0
--Total D35120 OBTAIN DAVIS-BACON RULING			**5**		**$554**	**$0**	**$0**	**$0**	**$0**	**$554**
-- D35150 ISSUE 14 DAY NOTIFICATION OF START OF CONST.										
	BBWI-A	U.C. per LOT	3	E34	290.39	0	0	0	0	290.39
PROJECT ENGINEER		1.00	3	$96.80	$290	$0	$0	$0	$0	$290
Subtotal					$290	$0	$0	$0	$0	$290
Sales Tax					$0	$0	$0	$0	$0	$0
INEEL ORG Labor/Subcontractor Overheads					$42	$0	$0	$0	$0	$42
Subtotal Estimate										**$332**
Escalation					$0	$0	$0	$0	$0	$0
Contingency					$0	$0	$0	$0	$0	$0
--Total D35150 ISSUE 14 DAY NOTIFICATION OF START OF CONST.			**3**		**$332**	**$0**	**$0**	**$0**	**$0**	**$332**
-- D35130 LEASE EQUIPMENT & PURCHASE MATERIALS										
Memo:	*Lease semi-trailers & revegetation equipment, administer subcontract for roll-off containers, purchase seed & fertilizer, etc.*									
P21	BBWI-A	U.C. per LOT	80	P21	5189.4	0	0	0	0	5189.4
SUBCONTRACT ADMIN		1.00	80	$64.87	$5,189	$0	$0	$0	$0	$5,189
Subtotal					$5,189	$0	$0	$0	$0	$5,189
Sales Tax					$0	$0	$0	$0	$0	$0
INEEL ORG Labor/Subcontractor Overheads					$747	$0	$0	$0	$0	$747
Subtotal Estimate										**$5,937**
Escalation					$0	$0	$0	$0	$0	$0
Contingency					$0	$0	$0	$0	$0	$0
--Total D35130 LEASE EQUIPMENT & PURCHASE MATERIALS			**80**		**$5,937**	**$0**	**$0**	**$0**	**$0**	**$5,937**
-- D35140 DEVELOP WORK CONTROL (WCF, WOs, SWPs, ETC.)										
Memo:	*Includes all planning, job site walkdowns, and input from all parties.*									
	BBWI-A	U.C. per EACH	60	F10	3483.29	0	0	0	0	3483.29
WORK PLANNING AND/OR SCHEDULING		1.00	60	$58.05	$3,483	$0	$0	$0	$0	$3,483
	BBWI-C	U.C. per EACH	10	F25	1061.6	0	0	0	0	1061.6
CONSTRUCTION COORDINATOR		1.00	10	$106.16	$1,062	$0	$0	$0	$0	$1,062

Project Name:
CFA-04 MERCURY POND REMEDIAL ACTION (WITH END DUMPS & ROLL-OFFS)
Project Location. *Central Facilities Area*
Estimate Number: *3951-E5*

ER DETAIL ITEM REPORT

Client: *D. J. Wagoner*
Prepared By: *R. D. Roseland*
Estimate Type: *Project Support*

LEVEL	Org/Subcontractor	QTY	Hrs	Crew/Rate	Labor	Const Eqp	Matl	S/C	Other	TOTAL
— D35140 DEVELOP WORK CONTROL (WCF, WOs, SWPs, ETC.)										
Memo:	*Includes all planning, job site walkdowns, and input from all parties.*									
	BBWI-C	U.C. per EACH	10	F07	640.38	0	0	0	0	640.38
SUPERVISOR, OPERATIONS (FIELD TEAM LEADER)		1.00	10	$64.04	$640	$0	$0	$0	$0	$640
	BBWI-A	U.C. per EACH	10	Z11	621.79	0	0	0	0	621.79
FOREMAN, CRAFTS		1.00	10	$62.18	$622	$0	$0	$0	$0	$622
	BBWI-A	U.C. per EACH	10	S21	783.55	0	0	0	0	783.55
REGULATORY COMPLIANCE - ENVIRONMENTAL		1.00	10	$78.35	$784	$0	$0	$0	$0	$784
	BBWI-A	U.C. per EACH	10	E08	797.49	0	0	0	0	797.49
ENVIRONMENTAL ENGINEERING		1.00	10	$79.75	$797	$0	$0	$0	$0	$797
	BBWI-A	U.C. per EACH	10	E17	744.28	0	0	0	0	744.28
QUALITY ENGINEERING		1.00	10	$74.43	$744	$0	$0	$0	$0	$744
	BBWI-A	U.C. per EACH	10	E18	739.82	0	0	0	0	739.82
RADIOLOGICAL ENGINEERING		1.00	10	$73.98	$740	$0	$0	$0	$0	$740
	BBWI-A	U.C. per EACH	10	E19	768.54	0	0	0	0	768.54
SAFETY ENGINEERING		1.00	10	$76.85	$769	$0	$0	$0	$0	$769
	BBWI-A	U.C. per EACH	10	S08	708.89	0	0	0	0	708.89
INDUSTRIAL HYGIENE		1.00	10	$70.89	$709	$0	$0	$0	$0	$709
	BBWI-A	U.C. per EACH	10	U60	513.15	0	0	0	0	513.15
RADIOLOGICAL CONTROL TECHNICIAN - (RCT)		1.00	10	$51.31	$513	$0	$0	$0	$0	$513
	BBWI-A	U.C. per RCTHour	0.1	Z08	8.178	0	0	0	0	8.178
SUPERVISOR, OPERATIONS - (RCT)		10.00	1	$81.78	$82	$0	$0	$0	$0	$82
	BBWI-A	U.C. per EACH	10	T16	449.68	0	0	0	0	449.68
INDUSTRIAL SAFETY/HEALTH TECH.		1.00	10	$44.97	$450	$0	$0	$0	$0	$450
	BBWI-A	U.C. per EACH	10	U71	500.36	0	0	0	0	500.36
MATERIAL MOVING EQUIPMENT OPERATOR,HEAVY		2.00	20	$50.04	$1,001	$0	$0	$0	$0	$1,001
	BBWI-A	U.C. per EACH	10	U21	347.3	0	0	0	0	347.3
LABORER		1.00	10	$34.73	$347	$0	$0	$0	$0	$347
	BBWI-A	U.C. per EACH	10	U23	524.91	0	0	0	0	524.91
LINEMAN		1.00	10	$52.49	$525	$0	$0	$0	$0	$525

Project Name:
CFA-04 MERCURY POND REMEDIAL ACTION (WITH END DUMPS & ROLL-OFFS)
Project Location: *Central Facilities Area*
Estimate Number: *3951-E5*

ER DETAIL ITEM REPORT

Client: *D. J. Wagoner*
Prepared By: *R. D. Roseland*
Estimate Type: *Project Support*

LEVEL	Org/Subcontractor	QTY	Hrs	Crew/Rate	Labor	Const Eqp	Matl	S/C	Other	TOTAL
-- D35140 DEVELOP WORK CONTROL (WCF, WOs, SWPs, ETC.)										
Memo:	*Includes all planning, job site walkdowns, and input from all parties.*									
	BBWI-A	U.C. per EACH	10	U11	504	0	0	0	0	504
ELECTRICIAN		1.00	10	$50.40	$504	$0	$0	$0	$0	$504
Subtotal					$13,771	$0	$0	$0	$0	$13,771
Sales Tax					$0	$0	$0	$0	$0	$0
INEEL ORG Labor/Subcontractor Overheads					$2,102	$0	$0	$0	$0	$2,102
Subtotal Estimate										**$15,873**
Escalation					$0	$0	$0	$0	$0	$0
Contingency					$0	$0	$0	$0	$0	$0
--Total D35140 DEVELOP WORK CONTROL (WCF, WOs, SWPs, ETC.)			**221**		**$15,873**	**$0**	**$0**	**$0**	**$0**	**$15,873**
-- D36141 PHOTOS & VIDEO DURING EXCAVATION										
NRPB		U.C. per LOT		NRPB	0	0	0	0	4757	4757
PHOTO & VIDEO		1.00	0		$0	$0	$0	$0	$4,757	$4,757
Memo: 15 weeks at 5 hours/week x $63.43/hour.										
Subtotal					$0	$0	$0	$0	$4,757	$4,757
Sales Tax					$0	$0	$0	$0	$0	$0
INEEL ORG Labor/Subcontractor Overheads					$0	$0	$0	$0	$0	$0
Subtotal Estimate										**$4,757**
Escalation					$0	$0	$0	$0	$0	$0
Contingency					$0	$0	$0	$0	$0	$0
--Total D36141 PHOTOS & VIDEO DURING EXCAVATION			**0**		**$0**	**$0**	**$0**	**$0**	**$4,757**	**$4,757**
-- D38141 PHOTOS & VIDEO DURING BACKFILL/REVEGETATION										
NRPB		U.C. per LOT		NRPB	0	0	0	0	1824	1824
PHOTO & VIDEO		1.00	0		$0	$0	$0	$0	$1,824	$1,824
Memo: 5-3/4 weeks at 5 hours/week x $63.43/hour.										
Subtotal					$0	$0	$0	$0	$1,824	$1,824
Sales Tax					$0	$0	$0	$0	$0	$0
INEEL ORG Labor/Subcontractor Overheads					$0	$0	$0	$0	$0	$0
Subtotal Estimate										**$1,824**
Escalation					$0	$0	$0	$0	$84	$84
Contingency					$0	$0	$0	$0	$0	$0
--Total D38141 PHOTOS & VIDEO DURING BACKFILL/REVEGETATION			**0**		**$0**	**$0**	**$0**	**$0**	**$1,908**	**$1,908**
-- D35120 A-E OVERSIGHT DURING EXCAVATION										
E04	BBWI-A	U.C. per WEEK	5	E04	396.305	0	0	0	0	396.305
A-E Oversight During Excavation		12.50	63	$79.26	$4,954	$0	$0	$0	$0	$4,954

Project Name:
CFA-04 MERCURY POND REMEDIAL ACTION (WITH END DUMPS & ROLL-OFFS)
Project Location: ***Central Facilities Area***
Estimate Number: ***3951-E5***

ER DETAIL ITEM REPORT

Client: ***D. J. Wagoner***
Prepared By: ***R. D. Roseland***
Estimate Type: ***Project Support***

LEVEL	Org/Subcontractor	QTY		Hrs	Crew/Rate		Labor	Const Eqp	Matl	S/C	Other	TOTAL
-- D36120 A-E OVERSIGHT DURING EXCAVATION												
Subtotal							$4,954	$0	$0	$0	$0	$4,954
Sales Tax							$0	$0	$0	$0	$0	$0
INEEL ORG Labor/Subcontractor Overheads							$713	$0	$0	$0	$0	$713
Subtotal Estimate												**$5,667**
Escalation							$0	$0	$0	$0	$0	$0
Contingency							$0	$0	$0	$0	$0	$0
—Total D36120 A-E OVERSIGHT DURING EXCAVATION				**63**			**$5,667**	**$0**	**$0**	**$0**	**$0**	**$5,667**
-- D38120 A-E OVERSIGHT DURING BACKFILL/REVEGETATION												
E04	BBWI-A	U.C. per WEEK		5	E04		396.304	0	0	0	0	396.304
A-E Oversight of Revegetation Work			5.00	25		$79.26	$1,982	$0	$0	$0	$0	$1,982
Subtotal							$1,982	$0	$0	$0	$0	$1,982
Sales Tax							$0	$0	$0	$0	$0	$0
INEEL ORG Labor/Subcontractor Overheads							$285	$0	$0	$0	$0	$285
Subtotal Estimate												**$2,267**
Escalation							$104	$0	$0	$0	$0	$104
Contingency							$0	$0	$0	$0	$0	$0
--Total D38120 A-E OVERSIGHT DURING BACKFILL/REVEGETATION				**25**			**$2,371**	**$0**	**$0**	**$0**	**$0**	**$2,371**
-- D36130 D&D CONSTRUCTION COORD. DURING EXCAVATION												
	BBWI-C	U.C. per WEEK		10	F25		1061.6	0	0	0	0	1061.6
Construction Coordinator During Field Work @ 25%			15.00	150		$106.16	$15,924	$0	$0	$0	$0	$15,924
Memo: Labor rate includes pool account.												
		U.C. per WEEK		10	71133		0	34	0	0	0	34
Vehicle During Field Work			15.00	150			$0	$510	$0	$0	$0	$510
Subtotal							$15,924	$510	$0	$0	$0	$16,434
Sales Tax							$0	$0	$0	$0	$0	$0
INEEL ORG Labor/Subcontractor Overheads							$3,408	$0	$0	$0	$0	$3,408
Subtotal Estimate												**$19,842**
Escalation							$0	$0	$0	$0	$0	$0
Contingency							$0	$0	$0	$0	$0	$0
--Total D36130 D&D CONSTRUCTION COORD. DURING EXCAVATION				**150**			**$19,332**	**$510**	**$0**	**$0**	**$0**	**$19,842**
-- D36150 SAFETY SUPPORT PERSONNEL DURING EXCAVATION												
Memo:	***Did not include these personnel during mobilization or demobilization.***											
	BBWI-A	U.C. per WEEK		8	E08		637.994	0	0	0	0	637.994
Environmental Engineering @ 20%			14.00	112		$79.75	$8,932	$0	$0	$0	$0	$8,932
	BBWI-A	U.C. per WEEK		8	E17		595.427	0	0	0	0	595.427
Quality Engineering @ 20%			14.00	112		$74.43	$8,336	$0	$0	$0	$0	$8,336

Project Name:
CFA-04 MERCURY POND REMEDIAL ACTION (WITH END DUMPS & ROLL-OFFS)
Project Location: *Central Facilities Area*
Estimate Number: *3951-E5*

ER DETAIL ITEM REPORT

Client: *D. J. Wagoner*
Prepared By: *R. D. Roseland*
Estimate Type: *Project Support*

LEVEL	Org/Subcontractor	QTY	Hrs	Crew/Rate	Labor	Const Eqp	Matl	S/C	Other	TOTAL
— D36150 SAFETY SUPPORT PERSONNEL DURING EXCAVATION										
Memo: *Did not include these personnel during mobilization or demobilization.*										
	BBWI-A	U.C. per WEEK	8	E18	591.854	0	0	0	0	591.854
Radiological Engineering @ 20%		14.00	112	$73.98	$8,286	$0	$0	$0	$0	$8,286
	BBWI-A	U.C. per WEEK	20	E19	1537.075	0	0	0	0	1537.075
Safety Engineering @ 50%		14.00	280	$76.85	$21,519	$0	$0	$0	$0	$21,519
	BBWI-A	U.C. per WEEK	20	S08	1417.779	0	0	0	0	1417.779
Industrial Hygiene - (IH) @ 50%		14.00	280	$70.89	$19,849	$0	$0	$0	$0	$19,849
	BBWI-A	U.C. per WEEK	80	U60	4105.204	0	0	0	0	4105.204
Radiological Control Technicians - 2 Each Full Time		14.00	1,120	$51.32	$57,473	$0	$0	$0	$0	$57,473
	BBWI-A	U.C. per RCTHour	0.1	Z08	8.179	0	0	0	0	8.179
Supervisor, Operations - (RCT)		1,120.00	112	$81.78	$9,160	$0	$0	$0	$0	$9,160
	BBWI-A	U.C. per WEEK	20	T16	899.35	0	0	0	0	899.35
Industrial Safety/Health Tech. @ 50%		14.00	280	$44.97	$12,591	$0	$0	$0	$0	$12,591
Subtotal					$146,145	$0	$0	$0	$0	$146,145
Sales Tax					$0	$0	$0	$0	$0	$0
INEEL CRG Labor/Subcontractor Overheads					$21,045	$0	$0	$0	$0	$21,045
Subtotal Estimate										**$167,190**
Escalation					$0	$0	$0	$0	$0	$0
Contingency					$0	$0	$0	$0	$0	$0
—Total D36150 SAFETY SUPPORT PERSONNEL DURING EXCAVATION			**2,408**		**$167,190**	**$0**	**$0**	**$0**	**$0**	**$167,190**
— D36170 FIELD SUPPORT/SUPPLIES/EQUIPMENT DURING EXCAVATION										
	BBWI-A	U.C. per WEEK	40	F07	2561.519	0	0	0	0	2561.519
Field Team Leader (FTL) During Field Work		15.00	600	$64.04	$38,423	$0	$0	$0	$0	$38,423
		U.C. per WEEK	40	71249	0	182.4	0	0	0	182.4
Vehicle during field work (FTL)		15.00	600		$0	$2,736	$0	$0	$0	$2,736
U21	BBWI-A	U.C. per WEEK	40	U21	1389.216	0	0	0	0	1389.216
FTL Assistant/Grade Checker		15.00	600	$34.73	$20,838	$0	$0	$0	$0	$20,838
Memo: Laborer to assist FTL with oversight & to check grades/layout during excavation & backfill.										
71965		U.C. per WEEK	40	71965	0	62.8	0	0	0	62.8
Trailer - Office		15.00	600		$0	$942	$0	$0	$0	$942
		U.C. per MONTH		M80	0	0	0	75	0	75
Temporary Toilet		3.50	0		$0	$0	$0	$263	$0	$263
	BBWI-A	U.C. per MONTH	32	U21	1111.374	0	0	0	0	1111.374
Temporary Drinking Water And Ice		3.50	112	$34.73	$3,890	$0	$0	$0	$0	$3,890
	BBWI-A	U.C. per crafthrs	0.15	Z11	9.327	0	0	0	0	9.327
FOREMAN, CRAFTS @ 15%		712.00	107	$62.18	$6,641	$0	$0	$0	$0	$6,641

Project Name:
CFA-04 MERCURY POND REMEDIAL ACTION (WITH END DUMPS & ROLL-OFFS)
Project Location: *Central Facilities Area*
Estimate Number: *3951-E5*

ER DETAIL ITEM REPORT

Client: *D. J. Wagoner*
Prepared By: *R. D. Roseland*
Estimate Type: *Project Support*

LEVEL	Org/Subcontractor	QTY	Hrs	Crew/Rate	Labor	Const Eqp	Matl	S/C	Other	TOTAL
-- D36170 FIELD SUPPORT/SUPPLIES/EQUIPMENT DURING EXCAVATION										
	BBWI-A	U.C. per crafthrs	0.042	Z08	3.435	0	0	0	0	3.435
SUPERVISOR, OPERATIONS - CRAFTS		819.00	34	$81.78	$2,813	$0	$0	$0	$0	$2,813
	BBWI-C	U.C. per DAY	20	U83	1089.431	0	0	0	0	1089.431
Surveyors - 2 Each		3.50	70	$54.47	$3,813	$0	$0	$0	$0	$3,813
Memo: Allowance for initial control & layout, re-staking as necessary, & a final topographical survey.										
Subtotal					$76,418	$3,678	$0	$263	$0	$80,358
Sales Tax					$0	$0	$0	$0	$0	$0
INEEL ORG Labor/Subcontractor Overheads					$11,271	$0	$0	$0	$0	$11,271
Subtotal Estimate										**$91,629**
Escalation					$0	$0	$0	$0	$0	$0
Contingency					$0	$0	$0	$0	$0	$0
--Total D36170 FIELD SUPPORT/SUPPLIES/EQUIPMENT DURING EXCAVATION			**1,523**		**$87,689**	**$3,678**	**$0**	**$263**	**$0**	**$91,629**
-- D36220 TRANSPORTATION & WGS SUPPORT DURING EXCAVATION										
	BBWI-A	U.C. per WEEK	40	F14	2255.825	0	0	0	0	2255.825
TRANSPORTATION SERVICES		8.00	320	$56.40	$18,047	$0	$0	$0	$0	$18,047
	BBWI-A	U.C. per WEEK	40	X16	2751.406	0	0	0	0	2751.406
MIXED/HAZARDOUS WASTE MANAGEMENT		8.00	320	$68.79	$22,011	$0	$0	$0	$0	$22,011
Subtotal					$40,058	$0	$0	$0	$0	$40,058
Sales Tax					$0	$0	$0	$0	$0	$0
INEEL ORG Labor/Subcontractor Overheads					$5,768	$0	$0	$0	$0	$5,768
Subtotal Estimate										**$45,826**
Escalation					$0	$0	$0	$0	$0	$0
Contingency					$0	$0	$0	$0	$0	$0
--Total D36220 TRANSPORTATION & WGS SUPPORT DURING EXCAVATION			**640**		**$45,826**	**$0**	**$0**	**$0**	**$0**	**$45,826**
-- D38130 D&D CONSTRUCTION COORD. DURING BKFL/REVEGETATION										
	BBWI-C	U.C. per WEEK	10	F25	1061.6	0	0	0	0	1061.6
Construction Coordinator During Field Work @ 25%		5.75	58	$106.16	$6,104	$0	$0	$0	$0	$6,104
Memo: Labor rate includes pool account.										

Project Name:
CFA-04 MERCURY POND REMEDIAL ACTION (WITH END DUMPS & ROLL-OFFS)
Project Location: *Central Facilities Area*
Estimate Number: *3951-E5*

ER DETAIL ITEM REPORT

Client: *D. J. Wagoner*
Prepared By: *R. D. Roseland*
Estimate Type: *Project Support*

LEVEL	Org/Subcontractor	QTY	Hrs	Crew/Rate	Labor	Const Eqp	Matl	S/C	Other	TOTAL
— D38130 D&D CONSTRUCTION COORD. DURING BKFL/REVEGETATION										
	U.C. per WEEK		10	71133	0	34	0	0	0	34
Vehicle During Field Work		5.75	58		$0	$196	$0	$0	$0	$196
Subtotal					$6,104	$196	$0	$0	$0	$6,300
Sales Tax					$0	$0	$0	$0	$0	$0
INEEL ORG Labor/Subcontractor Overheads					$1,306	$0	$0	$0	$0	$1,306
Subtotal Estimate										**$7,606**
Escalation					$341	$9	$0	$0	$0	$350
Contingency					$0	$0	$0	$0	$0	$0
—Total **D38130 D&D CONSTRUCTION COORD. DURING BKFL/REVEGETATION**			**58**		**$7,751**	**$204**	**$0**	**$0**	**$0**	**$7,956**
— D38140 SAFETY SUPPORT PERSONNEL DURING BKFL/REVEGETATION										
Memo:	*Did not include these personnel during mobilization or demobilization.*									
	BBWI-A	U.C. per WEEK	8	E08	637.994	0	0	0	0	637.994
Environmental Engineering @ 20%		5.25	42	$79.75	$3,349	$0	$0	$0	$0	$3,349
	BBWI-A	U.C. per WEEK	8	E17	595.427	0	0	0	0	595.427
Quality Engineering @ 20%		5.25	42	$74.43	$3,126	$0	$0	$0	$0	$3,126
	BBWI-A	U.C. per WEEK	8	E18	591.853	0	0	0	0	591.853
Radiological Engineering @ 20%		5.25	42	$73.98	$3,107	$0	$0	$0	$0	$3,107
	BBWI-A	U.C. per WEEK	20	E19	1537.074	0	0	0	0	1537.074
Safety Engineering @ 50%		5.25	105	$76.85	$8,070	$0	$0	$0	$0	$8,070
	BBWI-A	U.C. per WEEK	20	S06	1417.779	0	0	0	0	1417.779
Industrial Hygiene - (IH) @ 50%		5.25	105	$70.89	$7,443	$0	$0	$0	$0	$7,443
	BBWI-A	U.C. per WEEK	20	U60	1026.301	0	0	0	0	1026.301
Radiological Control Technician - (RCT) @ 50%		5.25	105	$51.32	$5,388	$0	$0	$0	$0	$5,388
	BBWI-A	U.C. per RCTHour	0.1	Z08	8.178	0	0	0	0	8.178
Supervisor, Operations - (RCT)		105.00	11	$81.78	$859	$0	$0	$0	$0	$859
	BBWI-A	U.C. per WEEK	20	T16	899.35	0	0	0	0	899.35
Industrial Safety/Health Tech. @ 50%		5.25	105	$44.97	$4,722	$0	$0	$0	$0	$4,722
Subtotal					$36,064	$0	$0	$0	$0	$36,064
Sales Tax					$0	$0	$0	$0	$0	$0
INEEL ORG Labor/Subcontractor Overheads					$5,193	$0	$0	$0	$0	$5,193
Subtotal Estimate										**$41,257**
Escalation					$1,898	$0	$0	$0	$0	$1,898
Contingency					$0	$0	$0	$0	$0	$0
—Total **D38140 SAFETY SUPPORT PERSONNEL DURING BKFL/REVEGETATION**			**557**		**$43,155**	**$0**	**$0**	**$0**	**$0**	**$43,155**

Project Name:
CFA-04 MERCURY POND REMEDIAL ACTION (WITH END DUMPS & ROLL-OFFS)
Project Location: *Central Facilities Area*
Estimate Number: *3951-E5*

ER DETAIL ITEM REPORT

Client: *D. J. Wagoner*
Prepared By: *R. D. Roseland*
Estimate Type: *Project Support*

LEVEL	Org/Subcontractor	QTY	Hrs	Crew/Rate	Labor	Const Eqp	Matl	S/C	Other	TOTAL
-- D38150 FIELD SUPPORT/SUPPLIES/EQUIPMENT DURING BKFL/REVEGETATION										
	BBWI-A	U.C. per WEEK	40	F07	2561.518	0	0	0	0	2561.518
Field Team Leader (FTL) During Field Work		5.75	230	$64.04	$14,729	$0	$0	$0	$0	$14,729
		U.C. per WEEK	40	71249	0	182.4	0	0	0	182.4
Vehicle during field work (FTL)		5.75	230		$0	$1,049	$0	$0	$0	$1,049
U21	BBWI-A	U.C. per WEEK	40	U21	1389.216	0	0	0	0	1389.216
FTL Assistant/Grade Checker		5.75	230	$34.73	$7,988	$0	$0	$0	$0	$7,988
Memo: Laborer to assist FTL with oversight & to check grades/layout during backfill.										
71965		U.C. per WEEK	40	71965	0	62.8	0	0	0	62.8
Trailer - Office		5.75	230		$0	$361	$0	$0	$0	$361
		U.C. per MONTH		M80	0	0	0	75	0	75
Temporary Toilet		1.35	0		$0	$0	$0	$101	$0	$101
	BBWI-A	U.C. per MONTH	32	U21	1111.37	0	0	0	0	1111.37
Temporary Drinking Water And Ice		1.35	43	$34.73	$1,500	$0	$0	$0	$0	$1,500
	BBWI-A	U.C. per crafthrs	0.15	Z11	9.327	0	0	0	0	9.327
FOREMAN, CRAFTS @ 15%		273.00	41	$62.18	$2,546	$0	$0	$0	$0	$2,546
	BBWI-A	U.C. per crafthrs	0.042	Z08	3.435	0	0	0	0	3.435
SUPERVISOR, OPERATIONS - CRAFTS		314.00	13	$81.78	$1,079	$0	$0	$0	$0	$1,079
Subtotal					$27,842	$1,410	$0	$101	$0	$29,353
Sales Tax					$0	$0	$0	$0	$0	$0
INEEL ORG Labor/Subcontractor Overheads					$4,009	$0	$0	$0	$0	$4,009
Subtotal Estimate										**$33,362**
Escalation					$1,465	$65	$0	$5	$0	$1,535
Contingency					$0	$0	$0	$0	$0	$0
--Total D38150 FIELD SUPPORT/SUPPLIES/EQUIPMENT DURING BKFL/REVEGETATION			**557**		**$33,316**	**$1,475**	**$0**	**$106**	**$0**	**$34,897**
-- D38300 PREPARE DRAFT CHECKLIST										
	BBWI-A	U.C. per LOT	30	E08	2392.48	0	0	0	0	2392.48
TASK LEAD		1.00	30	$79.75	$2,392	$0	$0	$0	$0	$2,392
Subtotal					$2,392	$0	$0	$0	$0	$2,392
Sales Tax					$0	$0	$0	$0	$0	$0
INEEL ORG Labor/Subcontractor Overheads					$345	$0	$0	$0	$0	$345
Subtotal Estimate										**$2,737**
Escalation					$0	$0	$0	$0	$0	$0
Contingency					$0	$0	$0	$0	$0	$0
--Total D38300 PREPARE DRAFT CHECKLIST			**30**		**$2,737**	**$0**	**$0**	**$0**	**$0**	**$2,737**

Project Name:
CFA-04 MERCURY POND REMEDIAL ACTION (WITH END DUMPS & ROLL-OFFS)
Project Location: ***Central Facilities Area***
Estimate Number:***3951-E5***

ER DETAIL ITEM REPORT

Client: ***D. J. Wagoner***
Prepared By: ***R. D. Roseland***
Estimate Type: ***Project Support***

LEVEL	Org/Subcontractor	QTY		Hrs	Crew/Rate	Labor	Const Eqp	Matl	S/C	Other	TOTAL
— D38320 PERFORM PRE-FINAL INSPECTION WITH AGENCIES											
	BBWI-A	U.C. per LOT		10	F07	640.38	0	0	0	0	640.38
FIELD TEAM LEADER (FTL)			1.00	10	$64.04	$640	$0	$0	$0	$0	$640
		U.C. per LOT		10	71249	0	45.6	0	0	0	45.6
VEHICLE FOR FTL			1.00	10		$0	$46	$0	$0	$0	$46
	BBWI-C	U.C. per LOT		10	F25	1061.6	0	0	0	0	1061.6
CONSTRUCTION COORDINATOR			1.00	10	$106.16	$1,062	$0	$0	$0	$0	$1,062
		U.C. per LOT		10	71133	0	34	0	0	0	34
VEHICLE FOR CONSTRUCTION COORDINATOR			1.00	10		$0	$34	$0	$0	$0	$34
	BBWI-A	U.C. per LOT		10	S06	750.88	0	0	0	0	750.88
HEALTH PHYSICS			1.00	10	$75.09	$751	$0	$0	$0	$0	$751
	BBWI-A	U.C. per LOT		10	S21	783.55	0	0	0	0	783.55
REGULATORY COMPLIANCE - ENVIRONMENTAL			1.00	10	$78.35	$784	$0	$0	$0	$0	$784
	BBWI-A	U.C. per LOT		10	E28	967.1	0	0	0	0	967.1
PROJECT MANAGER			1.00	10	$96.71	$967	$0	$0	$0	$0	$967
	BBWI-A	U.C. per LOT		10	E34	967.95	0	0	0	0	967.95
PROJECT ENGINEER			1.00	10	$96.80	$968	$0	$0	$0	$0	$968
	BBWI-A	U.C. per LOT		10	E08	797.49	0	0	0	0	797.49
TASK LEAD			1.00	10	$79.75	$797	$0	$0	$0	$0	$797
Subtotal						$5,969	$80	$0	$0	$0	$6,049
Sales Tax						$0	$0	$0	$0	$0	$0
INEEL ORG Labor/Subcontractor Overheads						$934	$0	$0	$0	$0	$934
Subtotal Estimate											**$6,982**
Escalation						$318	$4	$0	$0	$0	$321
Contingency						$0	$0	$0	$0	$0	$0
—Total D38320 PERFORM PRE-FINAL INSPECTION WITH AGENCIES				**70**		**$7,220**	**$83**	**$0**	**$0**	**$0**	**$7,304**
— D38330 CORRECT ANY DEFICIENCIES NOTED IN PRE-FINAL INSP											
	BBWI-A	U.C. per LOT		20	F07	1280.76	0	0	0	0	1280.76
FIELD TEAM LEADER (FTL)			1.00	20	$64.04	$1,281	$0	$0	$0	$0	$1,281
		U.C. per LOT		20	71249	0	91.2	0	0	0	91.2
VEHICLE FOR FTL			1.00	20		$0	$91	$0	$0	$0	$91
		U.C. per LOT		40	U21	1389.22	0	0	0	0	1389.22
LABORER - 2 EACH			1.00	40	$34.73	$1,389	$0	$0	$0	$0	$1,389
	BBWI-A	U.C. per crafthrs		0.15	Z11	9.327	0	0	0	0	9.327
FOREMAN, CRAFTS @ 15%			60.00	9	$62.18	$560	$0	$0	$0	$0	$560
	BBWI-A	U.C. per crafthrs		0.042	Z08	3.435	0	0	0	0	3.435
SUPERVISOR, OPERATIONS - CRAFTS			69.00	3	$81.78	$237	$0	$0	$0	$0	$237

Project Name:
CFA-04 MERCURY POND REMEDIAL ACTION (WITH END DUMPS & ROLL-OFFS)
Project Location: *Central Facilities Area*
Estimate Number: *3951-E5*

ER DETAIL ITEM REPORT

Client: *D. J. Wagoner*
Prepared By: *R. D. Roseland*
Estimate Type: *Project Support*

LEVEL	Org/Subcontractor	QTY		Hrs	Crew/Rate	Labor	Const Eqp	Matl	S/C	Other	TOTAL
— D38330 CORRECT ANY DEFICIENCIES NOTED IN PRE-FINAL INSP											
	BBWI-C	U.C. per LOT		10	F25	1061.6	0	0	0	0	1061.6
CONSTRUCTION COORDINATOR			1.00	10	$106.16	$1,062	$0	$0	$0	$0	$1,062
		U.C. per LOT		10	71133	0	34	0	0	0	34
VEHICLE FOR CONSTRUCTION COORDINATOR			1.00	10		$0	$34	$0	$0	$0	$34
Subtotal						$4,528	$125	$0	$0	$0	$4,653
Sales Tax						$0	$0	$0	$0	$0	$0
INEEL ORG Labor/Subcontractor Overheads						$526	$0	$0	$0	$0	$526
Subtotal Estimate											**$5,180**
Escalation						$233	$6	$0	$0	$0	$238
Contingency						$0	$0	$0	$0	$0	$0
--Total D38330 CORRECT ANY DEFICIENCIES NOTED IN PRE-FINAL INSP				82		**$5,287**	**$131**	**$0**	**$0**	**$0**	**$5,418**
— D38340 PERFORM FINAL INSPECTION											
	BBWI-A	U.C. per LOT		10	F07	640.38	0	0	0	0	640.38
FIELD TEAM LEADER (FTL)			1.00	10	$64.04	$640	$0	$0	$0	$0	$640
		U.C. per LOT		10	71249	0	45.6	0	0	0	45.6
VEHICLE FOR FTL			1.00	10		$0	$46	$0	$0	$0	$46
	BBWI-C	U.C. per LOT		10	F25	1061.6	0	0	0	0	1061.6
CONSTRUCTION COORDINATOR			1.00	10	$106.16	$1,062	$0	$0	$0	$0	$1,062
		U.C. per LOT		10	71133	0	34	0	0	0	34
VEHICLE FOR CONSTRUCTION COORDINATOR			1.00	10		$0	$34	$0	$0	$0	$34
	BBWI-A	U.C. per LOT		10	S06	750.88	0	0	0	0	750.88
HEALTH PHYSICS			1.00	10	$75.09	$751	$0	$0	$0	$0	$751
	BBWI-A	U.C. per LOT		10	E28	967.1	0	0	0	0	967.1
PROJECT MANAGER			1.00	10	$96.71	$967	$0	$0	$0	$0	$967
	BBWI-A	U.C. per LOT		10	E34	967.95	0	0	0	0	967.95
PROJECT ENGINEER			1.00	10	$96.80	$968	$0	$0	$0	$0	$968

Project Name:
CFA-04 MERCURY POND REMEDIAL ACTION (WITH END DUMPS & ROLL-OFFS)
Project Location: *Central Facilities Area*
Estimate Number: *3951-E5*

ER DETAIL ITEM REPORT

Client: *D. J. Wagoner*
Prepared By: *R. D. Roseland*
Estimate Type: *Project Support*

LEVEL	Org/Subcontractor	QTY		Hrs	Crew/Rate	Labor	Const Eqp	Matl	S/C	Other	TOTAL
-- D38340 PERFORM FINAL INSPECTION											
	BBWI-A	U.C. per LOT		10	E08	797.49	0	0	0	0	797.49
TASK LEAD			1.00	10	$79.75	$797	$0	$0	$0	$0	$797
Subtotal						$5,185	$80	$0	$0	$0	$5,265
Sales Tax						$0	$0	$0	$0	$0	$0
INEEL ORG Labor/Subcontractor Overheads						$821	$0	$0	$0	$0	$821
Subtotal Estimate											**$6,086**
Escalation						$276	$4	$0	$0	$0	$280
Contingency						$0	$0	$0	$0	$0	$0
--Total D38340 PERFORM FINAL INSPECTION				**60**		**$6,283**	**$83**	**$0**	**$0**	**$0**	**$6,366**
-- D38350 TURN-BACK TO LANDLORD											
	BBWI-C	U.C. per LOT		10	F25	1061.6	0	0	0	0	1061.6
CONSTRUCTION COORDINATOR			1.00	10	$106.16	$1,062	$0	$0	$0	$0	$1,062
		U.C. per LOT		10	71133	0	34	0	0	0	34
VEHICLE FOR CONSTRUCTION COORDINATOR			1.00	10		$0	$34	$0	$0	$0	$34
Subtotal						$1,062	$34	$0	$0	$0	$1,096
Sales Tax						$0	$0	$0	$0	$0	$0
INEEL ORG Labor/Subcontractor Overheads						$227	$0	$0	$0	$0	$227
Subtotal Estimate											**$1,323**
Escalation						$59	$2	$0	$0	$0	$61
Contingency						$0	$0	$0	$0	$0	$0
--Total D38350 TURN-BACK TO LANDLORD				**10**		**$1,348**	**$36**	**$0**	**$0**	**$0**	**$1,384**
-- D38360 WRITE DRAFT REMEDIAL ACTION REPORT											
	BBWI-A	U.C. per LOT		120	E08	9569.92	0	0	0	0	9569.92
TASK LEAD			1.00	120	$79.75	$9,570	$0	$0	$0	$0	$9,570
	BBWI-A	U.C. per LOT			NRPG	0	0	0	0	1034	1034
TECHNICAL WRITING/EDITING			1.00	0		$0	$0	$0	$0	$1,034	$1,034
	BBWI-A	U.C. per LOT			NRPF	0	0	0	0	693	693
ELECTRONIC PUBLICATIONS			1.00	0		$0	$0	$0	$0	$693	$693

Project Name:
CFA-04 MERCURY POND REMEDIAL ACTION (WITH END DUMPS & ROLL-OFFS)
Project Location: ***Central Facilities Area***
Estimate Number: ***3951-E5***

ER DETAIL ITEM REPORT

Client: ***D. J. Wagoner***
Prepared By: ***R. D. Roseland***
Estimate Type: ***Project Support***

LEVEL	Org/Subcontractor	QTY		Hrs	Crew/Rate		Labor	Const Eqp	Matl	S/C	Other	TOTAL
— D38360 WRITE DRAFT REMEDIAL ACTION REPORT												
	BBWI-A	U.C. per LOT			NRPA		0	0	0	0	502	502
PRINT/REPRO MACHINE OPER			1.00	0			$0	$0	$0	$0	$502	$502
Subtotal							$9,570	$0	$0	$0	$2,229	$11,799
Sales Tax							$0	$0	$0	$0	$0	$0
INEEL ORG Labor/Subcontractor Overheads							$1,378	$0	$0	$0	$321	$1,699
Subtotal Estimate												**$13,498**
Escalation							$0	$0	$0	$0	$0	$0
Contingency							$0	$0	$0	$0	$0	$0
—Total D38360 WRITE DRAFT REMEDIAL ACTION REPORT				**120**			**$10,948**	**$0**	**$0**	**$0**	**$2,550**	**$13,498**
— D38370 SUBMIT PRELIM DRAFT RA REPORT TO ORB/DOE-ID												
	BBWI-A	U.C. per LOT		8	E08		637.99	0	0	0	0	637.99
TASK LEAD			1.00	8		$79.75	$638	$0	$0	$0	$0	$638
Subtotal							$638	$0	$0	$0	$0	$638
Sales Tax							$0	$0	$0	$0	$0	$0
INEEL ORG Labor/Subcontractor Overheads							$92	$0	$0	$0	$0	$92
Subtotal Estimate												**$730**
Escalation							$0	$0	$0	$0	$0	$0
Contingency							$0	$0	$0	$0	$0	$0
—Total D38370 SUBMIT PRELIM DRAFT RA REPORT TO ORB/DOE-ID				**8**			**$730**	**$0**	**$0**	**$0**	**$0**	**$730**
— D38380 REVIEW OF PRELIM DRAFT RA REPORT BY ORB/DOE-ID												
	BBWI-A	U.C. per LOT		40	E08		3189.97	0	0	0	0	3189.97
TASK LEAD			1.00	40		$79.75	$3,190	$0	$0	$0	$0	$3,190
	BBWI-A	U.C. per LOT		40	E34		3871.8	0	0	0	0	3871.8
PROJECT ENGINEER			1.00	40		$96.80	$3,872	$0	$0	$0	$0	$3,872
	BBWI-A	U.C. per LOT		30	S21		2350.65	0	0	0	0	2350.65
REGULATORY COMPLIANCE - ENVIRONMENTAL			1.00	30		$78.36	$2,351	$0	$0	$0	$0	$2,351
	BBWI-A	U.C. per LOT		30	S06		2252.65	0	0	0	0	2252.65
HEALTH PHYSICS			1.00	30		$75.09	$2,253	$0	$0	$0	$0	$2,253
	BBWI-A	U.C. per LOT		30	E19		2305.61	0	0	0	0	2305.61
SAFETY ENGINEERING			1.00	30		$76.85	$2,306	$0	$0	$0	$0	$2,306

Project Name:
CFA-04 MERCURY POND REMEDIAL ACTION (WITH END DUMPS & ROLL-OFFS)
Project Location: *Central Facilities Area*
Estimate Number: *3951-E5*

ER DETAIL ITEM REPORT

Client: *D. J. Wagoner*
Prepared By: *R. D. Roseland*
Estimate Type: *Project Support*

LEVEL	Org/Subcontractor	QTY		Hrs	Crew/Rate	Labor	Const Eqp	Matl	S/C	Other	TOTAL
-- D38380 REVIEW OF PRELIM DRAFT RA REPORT BY ORB/DOE-ID											
	BBWI-A	U.C. per LOT		30	E17	2232.85	0	0	0	0	2232.85
QUALITY ENGINEERING			1.00	30	$74.43	$2,233	$0	$0	$0	$0	$2,233
Subtotal						$16,204	$0	$0	$0	$0	$16,204
Sales Tax						$0	$0	$0	$0	$0	$0
INEEL ORG Labor/Subcontractor Overheads						$2,333	$0	$0	$0	$0	$2,333
Subtotal Estimate											**$18,537**
Escalation						$0	$0	$0	$0	$0	$0
Contingency						$0	$0	$0	$0	$0	$0
--Total D38380 REVIEW OF PRELIM DRAFT RA REPORT BY ORB/DOE-ID				**200**		**$18,537**	**$0**	**$0**	**$0**	**$0**	**$18,537**
-- D38390 RESOLVE/INCORP DRAFT RA REPORT COMMENTS											
	BBWI-A	U.C. per LOT		80	E08	6379.94	0	0	0	0	6379.94
TASK LEAD			1.00	80	$79.75	$6,380	$0	$0	$0	$0	$6,380
	BBWI-A	U.C. per LOT			NRPG	0	0	0	0	1034	1034
TECHNICAL WRITING/EDITING			1.00	0		$0	$0	$0	$0	$1,034	$1,034
	BBWI-A	U.C. per LOT			NRPF	0	0	0	0	693	693
ELECTRONIC PUBLICATIONS			1.00	0		$0	$0	$0	$0	$693	$693
	BBWI-A	U.C. per LOT			NRPA	0	0	0	0	502	502
PRINT/REPRO MACHINE OPER			1.00	0		$0	$0	$0	$0	$502	$502
Subtotal						$6,380	$0	$0	$0	$2,229	$8,609
Sales Tax						$0	$0	$0	$0	$0	$0
INEEL ORG Labor/Subcontractor Overheads						$919	$0	$0	$0	$321	$1,240
Subtotal Estimate											**$9,849**
Escalation						$0	$0	$0	$0	$0	$0
Contingency						$0	$0	$0	$0	$0	$0
--Total D38390 RESOLVE/INCORP DRAFT RA REPORT COMMENTS				**80**		**$7,299**	**$0**	**$0**	**$0**	**$2,550**	**$9,849**
-- D38400 SUBMIT REMEDIAL ACTION REPORT TO AGENCIES											
	BBWI-A	U.C. per LOT		8	E08	637.99	0	0	0	0	637.99
TASK LEAD			1.00	8	$79.75	$638	$0	$0	$0	$0	$638
Subtotal						$638	$0	$0	$0	$0	$638
Sales Tax						$0	$0	$0	$0	$0	$0
INEEL ORG Labor/Subcontractor Overheads						$92	$0	$0	$0	$0	$92
Subtotal Estimate											**$730**
Escalation						$0	$0	$0	$0	$0	$0
Contingency						$0	$0	$0	$0	$0	$0
--Total D38400 SUBMIT REMEDIAL ACTION REPORT TO AGENCIES				**8**		**$730**	**$0**	**$0**	**$0**	**$0**	**$730**

Project Name:
CFA-04 MERCURY POND REMEDIAL ACTION (WITH END DUMPS & ROLL-OFFS)
Project Location: *Central Facilities Area*
Estimate Number: *3951-E5*

ER DETAIL ITEM REPORT

Client: *D. J. Wagoner*
Prepared By: *R. D. Roselend*
Estimate Type: *Project Support*

LEVEL	Org/Subcontractor	QTY		Hrs	Crew/Rate	Labor	Const Eqp	Matl	S/C	Other	TOTAL
— D38420 RESOLVE/INCORP AGENCY COMMENTS ON RA REPORT											
	BBWI-A	U.C. per LOT		40	E08	3189.97	0	0	0	0	3189.97
TASK LEAD			1.00	40	$79.75	$3,190	$0	$0	$0	$0	$3,190
	BBWI-A	U.C. per LOT			NRPG	0	0	0	0	1034	1034
TECHNICAL WRITING/EDITING			1.00	0		$0	$0	$0	$0	$1,034	$1,034
	BBWI-A	U.C. per LOT			NRPF	0	0	0	0	693	693
ELECTRONIC PUBLICATIONS			1.00	0		$0	$0	$0	$0	$693	$693
	BBWI-A	U.C. per LOT			NRPA	0	0	0	0	502	502
PRINT/REPRO MACHINE OPER			1.00	0		$0	$0	$0	$0	$502	$502
Subtotal						$3,190	$0	$0	$0	$2,229	$5,419
Sales Tax						$0	$0	$0	$0	$0	$0
INEEL ORG Labor/Subcontractor Overheads						$459	$0	$0	$0	$321	$780
Subtotal Estimate											**$6,199**
Escalation						$0	$0	$0	$0	$0	$0
Contingency						$0	$0	$0	$0	$0	$0
---Total D38420 RESOLVE/INCORP AGENCY COMMENTS ON RA REPORT				**40**		**$3,649**	**$0**	**$0**	**$0**	**$2,550**	**$6,199**
— D38430 SUBMIT REVISED RA REPORT TO AGENCIES											
	BBWI-A	U.C. per LOT		8	E08	637.99	0	0	0	0	637.99
TASK LEAD			1.00	8	$79.75	$638	$0	$0	$0	$0	$638
Subtotal						$638	$0	$0	$0	$0	$638
Sales Tax						$0	$0	$0	$0	$0	$0
INEEL ORG Labor/Subcontractor Overheads						$92	$0	$0	$0	$0	$92
Subtotal Estimate											**$730**
Escalation						$0	$0	$0	$0	$0	$0
Contingency						$0	$0	$0	$0	$0	$0
---Total D38430 SUBMIT REVISED RA REPORT TO AGENCIES				**8**		**$730**	**$0**	**$0**	**$0**	**$0**	**$730**
— D38450 RESOLVE/INCORP AGENCY COMMENTS ON REVISED RA REPORT											
	BBWI-A	U.C. per LOT		40	E08	3189.97	0	0	0	0	3189.97
TASK LEAD			1.00	40	$79.75	$3,190	$0	$0	$0	$0	$3,190
	BBWI-A	U.C. per LOT			NRPG	0	0	0	0	1034	1034
TECHNICAL WRITING/EDITING			1.00	0		$0	$0	$0	$0	$1,034	$1,034
	BBWI-A	U.C. per LOT			NRPF	0	0	0	0	693	693
ELECTRONIC PUBLICATIONS			1.00	0		$0	$0	$0	$0	$693	$693

Project Name:
CFA-04 MERCURY POND REMEDIAL ACTION (WITH END DUMPS & ROLL-OFFS)
Project Location: ***Central Facilities Area***
Estimate Number: ***3951-E5***

ER DETAIL ITEM REPORT

Client: ***D. J. Wagoner***
Prepared By: ***R. D. Roseland***
Estimate Type: ***Project Support***

LEVEL	Org/Subcontractor	QTY		Hrs	Crew/Rate	Labor	Const Eqp	Matl	S/C	Other	TOTAL
-- D38450 RESOLVE/INCORP AGENCY COMMENTS ON REVISED RA REPORT											
	BBWI-A	U.C. per LOT			NRPA	0	0	0	0	502	502
PRINT/REPRO MACHINE OPER			1.00	0		$0	$0	$0	$0	$502	$502
Subtotal						$3,190	$0	$0	$0	$2,229	$5,419
Sales Tax						$0	$0	$0	$0	$0	$0
INEEL ORG Labor/Subcontractor Overheads						$459	$0	$0	$0	$321	$780
Subtotal Estimate											**$6,199**
Escalation						$0	$0	$0	$0	$0	$0
Contingency						$0	$0	$0	$0	$0	$0
—Total D38450 RESOLVE/INCORP AGENCY COMMENTS ON REVISED RA REPORT				**40**		**$3,649**	**$0**	**$0**	**$0**	**$2,550**	**$6,199**
-- D38460 ISSUE FINAL REMEDIAL ACTION REPORT TO AGENCIES											
	BBWI-A	U.C. per LOT		8	E08	637.99	0	0	0	0	637.99
TASK LEAD			1.00	8	$79.75	$638	$0	$0	$0	$0	$638
Subtotal						$638	$0	$0	$0	$0	$638
Sales Tax						$0	$0	$0	$0	$0	$0
INEEL ORG Labor/Subcontractor Overheads						$92	$0	$0	$0	$0	$92
Subtotal Estimate											**$730**
Escalation						$0	$0	$0	$0	$0	$0
Contingency						$0	$0	$0	$0	$0	$0
—Total D38460 ISSUE FINAL REMEDIAL ACTION REPORT TO AGENCIES				**8**		**$730**	**$0**	**$0**	**$0**	**$0**	**$730**
-- D36100 PROJECT MOBILIZATION - EXCAVATION											
		U.C. per DAY		10	71653	0	30	0	0	0	30
Truck - Tractor 20 ton			2.00	20		$0	$60	$0	$0	$0	$60
		U.C. per DAY		10	71883	0	74.5	0	0	0	74.5
Trailer - Semi Lowboy 70 ton			2.00	20		$0	$149	$0	$0	$0	$149
	BBWI-A	U.C. per DAY		30	U71	1501.08	0	0	0	0	1501.08
Heavy Equipment Operators - 3 Each			2.00	60	$50.04	$3,002	$0	$0	$0	$0	$3,002
	BBWI-A	U.C. per DAY		30	U21	1041.912	0	0	0	0	1041.912
Laborers (3 Each) - Assist Trucks, Set up Barricades, Install Signage, etc.			2.50	75	$34.73	$2,605	$0	$0	$0	$0	$2,605
	BBWI-A	U.C. per CRAFTHrs		0.15	Z11	9.327	0	0	0	0	9.327
FOREMAN, CRAFTS @ 15%			135.00	20	$62.18	$1,259	$0	$0	$0	$0	$1,259
	BBWI-A	U.C. per CRAFTHrs		0.042	Z08	3.435	0	0	0	0	3.435
SUPERVISOR, OPERATIONS - CRAFTS			155.00	7	$81.78	$532	$0	$0	$0	$0	$532

Project Name:
CFA-04 MERCURY POND REMEDIAL ACTION (WITH END DUMPS & ROLL-OFFS)
Project Location: *Central Facilities Area*
Estimate Number: *3951-E5*

ER DETAIL ITEM REPORT

Client: *D. J. Wagoner*
Prepared By: *R. D. Roseland*
Estimate Type: *Project Support*

LEVEL	Org/Subcontractor	QTY		Hrs	Crew/Rate		Labor	Const Eqp	Matl	S/C	Other	TOTAL
-- D36100 PROJECT MOBILIZATION - EXCAVATION												
		U.C. per LOT			M60		0	0	300	0	0	300
Other - Direct Purchases (Misc, Signage, Set Up)			1.00	0			$0	$0	$300	$0	$0	$300
Subtotal							$7,398	$209	$300	$0	$0	$7,907
Sales Tax							$0	$0	$15	$0	$0	$15
INEEL ORG Labor/Subcontractor Overheads							$1,065	$0	$0	$0	$0	$1,065
Subtotal Estimate												**$8,988**
Escalation							$0	$0	$0	$0	$0	$0
Contingency							$0	$0	$0	$0	$0	$0
--Total D36100 PROJECT MOBILIZATION - EXCAVATION				**162**			**$8,464**	**$209**	**$315**	**$0**	**$0**	**$8,988**
-- D36160 FIELD PERSONNEL TRAINING - EXCAVATION												
Memo:	*Assume approx. 2 hours of on-line incidental/refresher training per month for 3-1/2 months for each of the main crew members.*											
	BBWI-A	U.C. per EACH		7	U71		350.252	0	0	0	0	350.252
Incidental Training for Craft Personnel (HEO's)			5.00	35		$50.04	$1,751	$0	$0	$0	$0	$1,751
	BBWI-A	U.C. per EACH		7	U21		243.113	0	0	0	0	243.113
Incidental Training for Craft Personnel (Laborers)			3.00	21		$34.73	$729	$0	$0	$0	$0	$729
Subtotal							$2,481	$0	$0	$0	$0	$2,481
Sales Tax							$0	$0	$0	$0	$0	$0
INEEL ORG Labor/Subcontractor Overheads							$357	$0	$0	$0	$0	$357
Subtotal Estimate												**$2,838**
Escalation							$0	$0	$0	$0	$0	$0
Contingency							$0	$0	$0	$0	$0	$0
--Total D36160 FIELD PERSONNEL TRAINING - EXCAVATION				**56**			**$2,838**	**$0**	**$0**	**$0**	**$0**	**$2,838**
-- D38100 FIELD PERSONNEL TRAINING - BKFL/REVEGETATION												
Memo:	*Assume 4 hours of on-line incidental/refresher training for each of the main crew members.*											
	BBWI-A	U.C. per EACH		4	U71		200.143	0	0	0	0	200.143
Incidental Training for Craft Personnel (HEO)			4.00	16		$50.04	$801	$0	$0	$0	$0	$801
	BBWI-A	U.C. per EACH		4	U21		138.92	0	0	0	0	138.92
Incidental Training for Craft Personnel (Laborers)			2.00	8		$34.73	$278	$0	$0	$0	$0	$278
Subtotal							$1,078	$0	$0	$0	$0	$1,078
Sales Tax							$0	$0	$0	$0	$0	$0
INEEL ORG Labor/Subcontractor Overheads							$155	$0	$0	$0	$0	$155
Subtotal Estimate												**$1,234**
Escalation							$57	$0	$0	$0	$0	$57
Contingency							$0	$0	$0	$0	$0	$0
--Total D38100 FIELD PERSONNEL TRAINING - BKFL/REVEGETATION				**24**			**$1,290**	**$0**	**$0**	**$0**	**$0**	**$1,290**

Project Name:
CFA-04 MERCURY POND REMEDIAL ACTION (WITH END DUMPS & ROLL-OFFS)
Project Location: ***Central Facilities Area***
Estimate Number: ***3951-E5***

ER DETAIL ITEM REPORT

Client: ***D. J. Wagoner***
Prepared By: ***R. D. Roseland***
Estimate Type: ***Project Support***

LEVEL	Org/Subcontractor	QTY		Hrs	Crew/Rate	Labor	Const Eqp	Matl	S/C	Other	TOTAL
— D38110 PROJECT MOBILIZATION - BACKFILL/REVEGETATION											
		U.C. per DAY		10	71653	0	30	0	0	0	30
Truck - Tractor 20 ton			1.00	10		$0	$30	$0	$0	$0	$30
		U.C. per DAY		10	71883	0	74.5	0	0	0	74.5
Trailer - Semi Lowboy 70 ton			1.00	10		$0	$75	$0	$0	$0	$75
	BBWI-A	U.C. per DAY		30	U71	1501.08	0	0	0	0	1501.08
Heavy Equipment Operators - 3 Each			1.00	30	$50.04	$1,501	$0	$0	$0	$0	$1,501
	BBWI-A	U.C. per DAY		20	U21	694.61	0	0	0	0	694.61
Laborers (2 Each) - Assist Trucks, Set up Barricades, Install Signage, etc.			1.00	20	$34.73	$695	$0	$0	$0	$0	$695
	BBWI-A	U.C. per CRAFTHrs		0.15	Z11	9.327	0	0	0	0	9.327
FOREMAN, CRAFTS @ 15%			50.00	8	$62.18	$466	$0	$0	$0	$0	$466
	BBWI-A	U.C. per CRAFTHrs		0.042	Z08	3.435	0	0	0	0	3.435
SUPERVISOR, OPERATIONS - CRAFTS			57.00	2	$81.78	$196	$0	$0	$0	$0	$196
		U.C. per LOT			M60	0	0	100	0	0	100
Other - Direct Purchases (Misc, Signage, Set Up)			1.00	0		$0	$0	$100	$0	$0	$100
Subtotal						$2,858	$105	$100	$0	$0	$3,062
Sales Tax						$0	$0	$5	$0	$0	$5
INEEL ORG Labor/Subcontractor Overheads						$412	$0	$0	$0	$0	$412
Subtotal Estimate											**$3,479**
Escalation						$150	$5	$5	$0	$0	$160
Contingency						$0	$0	$0	$0	$0	$0
—Total D38110 PROJECT MOBILIZATION - BACKFILL/REVEGETATION				**60**		**$3,420**	**$109**	**$110**	**$0**	**$0**	**$3,639**
— D38190 PREPARE & SEED POND & DISTURBED AREAS											
		U.C. per EA			M80	0	0	0	600	0	600
SOIL ANALYSIS			1.00	0		$0	$0	$0	$600	$0	$600
Memo: Assume 8 hours at $75/hour for labor & equipment to take samples, test, & make report.											
		U.C. per DAY			P60	0	300	0	0	0	300
FARM TRACTOR (RENTED)			2.00	0		$0	$600	$0	$0	$0	$600
	BBWI-A	U.C. per DAY		10	U71	500.36	0	0	0	0	500.36
HEAVY EQUIPMENT OPERATOR (FARM TRACTOR)			2.00	20	$50.04	$1,001	$0	$0	$0	$0	$1,001
		U.C. per DAY			P60	0	60	0	0	0	60
DISK (RENTED)			2.00	0		$0	$120	$0	$0	$0	$120
Memo: 1 day rental for disking, 1 day for delivery & return.											
		U.C. per DAY			P60	0	30	0	0	0	30
HARROW (RENTED)			2.00	0		$0	$60	$0	$0	$0	$60
Memo: 1 day rental for harrowing, 1 day for delivery & return.											

Project Name:
CFA-04 MERCURY POND REMEDIAL ACTION (WITH END DUMPS & ROLL-OFFS)
Project Location: ***Central Facilities Area***
Estimate Number:***3951-E5***

ER DETAIL ITEM REPORT

Client: ***D. J. Wagoner***
Prepared By: ***R. D. Roseland***
Estimate Type: ***Project Support***

LEVEL	Org/Subcontractor	QTY	Hrs	Crew/Rate	Labor	Const Eqp	Matl	S/C	Other	TOTAL
— D38190 PREPARE & SEED POND & DISTURBED AREAS										
		U.C. per DAY		P60	0	80	0	0	0	80
FERTILIZER SPREADER (RENTED)		2.00	0		$0	$160	$0	$0	$0	$160
Memo: 1 day rental for spreading, 1 day for delivery & return.										
		U.C. per DAY		P60	0	80	0	0	0	80
GRAIN DRILL (RENTED)		2.00	0		$0	$160	$0	$0	$0	$160
Memo: 1 day rental for drilling, 1 day for delivery & return.										
		U.C. per TRIP		P60	0	200	0	0	0	200
DELIVERY/RETURN CHARGES FOR RENTED EQUIPMENT		6.00	0		$0	$1,200	$0	$0	$0	$1,200
		U.C. per DAY	10	71798	0	31.4	0	0	0	31.4
TRUCK - HYDROSEEDER (FOR DUST CONTROL)		2.00	20		$0	$63	$0	$0	$0	$63
	BBWI-A	U.C. per DAY	20	U21	694.61	0	0	0	0	694.61
LABORER SUPPORT - 2 EACH		2.00	40	$34.73	$1,389	$0	$0	$0	$0	$1,389
		U.C. per ACRE		M60	0	0	157	0	0	157
PURCHASE SEED		9.00	0		$0	$0	$1,413	$0	$0	$1,413
Memo: $157/acre is based upon seed mix & price used for the CFA-08 STP Drainfield Cover estimate (File #3321-A) & includes sales tax and delivery per a quotation from Idaho Grimm Growers in Blackfoot 8/30/01.										
		U.C. per ACRE		M60	0	0	25	0	0	25
PURCHASE FERTILIZER		9.00	0		$0	$0	$225	$0	$0	$225
Memo: Assume 100 lbs. per acre of 11-52 monoammonium phosphate.										
	BBWI-A	U.C. per CRAFTHrs	0.15	Z11	9.327	0	0	0	0	9.327
FOREMAN, CRAFTS @ 15%		60.00	9	$62.18	$560	$0	$0	$0	$0	$560
	BBWI-A	U.C. per CRAFTHrs	0.042	Z08	3.435	0	0	0	0	3.435
SUPERVISOR, OPERATIONS - CRAFTS		69.00	3	$81.78	$237	$0	$0	$0	$0	$237
Subtotal					$3,187	$2,363	$1,638	$600	$0	$7,787
Sales Tax					$0	$0	$11	$0	$0	$11
INEEL ORG Labor/Subcontractor Overheads					$459	$0	$0	$0	$0	$459
Subtotal Estimate										**$8,257**
Escalation					$168	$109	$76	$28	$0	$380
Contingency					$0	$0	$0	$0	$0	$0
—Total D38190 PREPARE & SEED POND & DISTURBED AREAS			**72**		**$3,813**	**$2,471**	**$1,725**	**$628**	**$0**	**$8,637**
— D38200 PLACE GFE WOOD CHIPS AT REVEGETATED AREA										
Memo: ***At 15 tons/acre, 135 tons = 270,000 lbs. are required for 9 acres. Assume 20 pcf = 13,500 cf or 500 cy. Assume that a sufficient quantity of chips are available at the CFA landfill at no cost to the project. Assume that any dust control required at the landfill will be performed by landfill personnel at no cost to the project.***										
	BBWI-A	U.C. per DAY	10	U71	500.36	0	0	0	0	500.36
HEAVY EQUIPMENT OPERATOR - LOAD WOOD CHIP MULCH INTO DUMP TRUCKS WITH LOADER		1.00	10	$50.04	$500	$0	$0	$0	$0	$500
Memo: Assume that 2 each 15 cy dump trucks can haul 2-1/2 loads/hour each to the pond, including loading & unloading time. This equates to 60 cy/hour or 8.3 hours (say 10) or 1 day to load & haul 500 cy of mulch.										
		U.C. per DAY	10	75621	0	44.8	0	0	0	44.8
LOADER - FRONT END 921 - 4.75 CY		1.00	10		$0	$45	$0	$0	$0	$45

LEVEL	Org/Subcontractor	QTY	Hrs	Crew/Rate	Labor	Const Eqp	Matl	S/C	Other	TOTAL
— D38200 PLACE GFE WOOD CHIPS AT REVEGETATED AREA										
Memo:	*At 15 tons/acre, 135 tons = 270,000 lbs. are required for 9 acres. Assume 20 pcf = 13,500 cf or 500 cy. Assume that a sufficient quantity of chips are available at the CFA landfill at no cost to the project. Assume that any dust control required at the landfill will be performed by landfill personnel at no cost to the project.*									
BBWI-A	U.C. per DAY		20	U71	1000.72	0	0	0	0	1000.72
HEAVY EQUIPMENT OPERATORS - 2 EACH (HAUL WOOD CHIP MULCH TO POND IN DUMP TRUCKS)		1.00	20	$50.04	$1,001	$0	$0	$0	$0	$1,001
	U.C. per DAY		10	71792	0	60.9	0	0	0	60.9
TRUCK - DUMP		1.00	10		$0	$61	$0	$0	$0	$61
	U.C. per DAY		10	71799	0	58.6	0	0	0	58.6
TRUCK - DUMP		1.00	10		$0	$59	$0	$0	$0	$59
BBWI-A	U.C. per DAY		10	U71	500.36	0	0	0	0	500.36
HEAVY EQUIPMENT OPERATOR - LOAD WOOD CHIP MULCH INTO MANURE SPREADER WITH LOADER		3.00	30	$50.04	$1,501	$0	$0	$0	$0	$1,501
Memo: 500 cy total. Assume that a 6 cy spreader can be loaded in 5 minutes & unloaded in 15 minutes. This equates to 18 cy/hour or 28 hours (say 3 days) total for loading & spreading.										
	U.C. per DAY		10	75621	0	44.8	0	0	0	44.8
LOADER - FRONT END 921 - 4.75 CY		3.00	30		$0	$134	$0	$0	$0	$134
BBWI-A	U.C. per DAY		10	U71	500.36	0	0	0	0	500.36
HEAVY EQUIPMENT OPERATOR - SPREAD WOOD CHIP MULCH ONTO POND AREA WITH SPREADER		3.00	30	$50.04	$1,501	$0	$0	$0	$0	$1,501
	U.C. per DAY			P60	0	300	0	0	0	300
FARM TRACTOR (RENTED)		3.00	0		$0	$900	$0	$0	$0	$900
	U.C. per DAY			P60	0	50	0	0	0	50
MANURE SPREADER (RENTED)		4.00	0		$0	$200	$0	$0	$0	$200
Memo: 3 day rental for spreading, 1 day for delivery & return.										
	U.C. per TRIP			P60	0	200	0	0	0	200
DELIVERY/RETURN CHARGES FOR RENTED EQUIPMENT (SPREADER)		2.00	0		$0	$400	$0	$0	$0	$400
	U.C. per DAY		10	71798	0	31.4	0	0	0	31.4
TRUCK - HYDROSEEDER		4.00	40		$0	$126	$0	$0	$0	$126
Memo: Required 1 day during mulch hauling operations & 3 days during spreading operations.										
BBWI-A	U.C. per DAY		20	U21	694.61	0	0	0	0	694.61
LABORER SUPPORT DURING MULCH HAULING OPERATIONS (2 EACH)		1.00	20	$34.73	$695	$0	$0	$0	$0	$695
Memo: 1 laborer at landfill & 1 laborer at pond for staging trucks, traffic control, etc.										
BBWI-A	U.C. per DAY		10	U21	347.303	0	0	0	0	347.303
LABORER SUPPORT DURING MULCH SPREADING OPERATIONS		3.00	30	$34.73	$1,042	$0	$0	$0	$0	$1,042
Memo: 1 laborer at pond to assist with loading spreader, traffic control, etc.										
BBWI-A	U.C. per CRAFTHrs		0.15	Z11	9.327	0	0	0	0	9.327
FOREMAN, CRAFTS @ 15%		140.00	21	$62.18	$1,306	$0	$0	$0	$0	$1,306

Project Name:
CFA-04 MERCURY POND REMEDIAL ACTION (WITH END DUMPS & ROLL-OFFS)
Project Location: ***Central Facilities Area***
Estimate Number:***3961-E5***

ER DETAIL ITEM REPORT

Client: ***D. J. Wagoner***
Prepared By: ***R. D. Roseland***
Estimate Type: ***Project Support***

LEVEL	Org/Subcontractor	QTY	Hrs	Crew/Rate	Labor	Const Eqp	Matl	S/C	Other	TOTAL
— D38200 PLACE GFE WOOD CHIPS AT REVEGETATED AREA										
Memo:	*At 15 tons/acre, 135 tons = 270,000 lbs. are required for 9 acres. Assume 20 pcf = 13,500 cf or 500 cy. Assume that a sufficient quantity of chips are available at the CFA landfill at no cost to the project. Assume that any dust control required at the landfill will be performed by landfill personnel at no cost to the project.*									
	BBWI-A	U.C. per CRAFTHrs	0.042	Z08	3.435	0	0	0	0	3.435
SUPERVISOR, OPERATIONS - CRAFTS		161.00	7	$81.78	$553	$0	$0	$0	$0	$553
Subtotal					$8,099	$1,924	$0	$0	$0	$10,023
Sales Tax					$0	$0	$0	$0	$0	$0
INEEL ORG Labor/Subcontractor Overheads					$1,166	$0	$0	$0	$0	$1,166
Subtotal Estimate										**$11,189**
Escalation					$426	$89	$0	$0	$0	$515
Contingency					$0	$0	$0	$0	$0	$0
—Total D38200 PLACE GFE WOOD CHIPS AT REVEGETATED AREA			**169**		**$9,691**	**$2,013**	**$0**	**$0**	**$0**	**$11,704**
— D36210 CLEAR & GRUB										
	BBWI-A	U.C. per DAY		P60	0	300	0	0	0	300
FARM TRACTOR (RENTED)		2.00	0		$0	$600	$0	$0	$0	$600
Memo: 1 day for towing mower & 1 day for delivery & return.										
		U.C. per DAY		P60	0	70	0	0	0	70
MOWER (RENTED)		2.00	0		$0	$140	$0	$0	$0	$140
Memo: 1 day for mowing & 1 day for delivery & return.										
		U.C. per TRIP		P60	0	200	0	0	0	200
DELIVERY/RETURN CHARGES FOR RENTED EQUIPMENT		2.00	0		$0	$400	$0	$0	$0	$400
		U.C. per DAY	10	71798	0	31.4	0	0	0	31.4
TRUCK - HYDROSEEDER (DUST CONTROL)		1.00	10		$0	$31	$0	$0	$0	$31
	BBWI-A	U.C. per DAY	10	U71	500.36	0	0	0	0	500.36
HEAVY EQUIPMENT OPERATOR		1.00	10	$50.04	$500	$0	$0	$0	$0	$500
	BBWI-A	U.C. per DAY	10	U21	347.3	0	0	0	0	347.3
LABORER		1.00	10	$34.73	$347	$0	$0	$0	$0	$347
	BBWI-A	U.C. per CRAFTHrs	0.15	Z11	9.327	0	0	0	0	9.327
FOREMAN, CRAFTS @ 15%		20.00	3	$62.18	$187	$0	$0	$0	$0	$187

Project Name:
CFA-04 MERCURY POND REMEDIAL ACTION (WITH END DUMPS & ROLL-OFFS)
Project Location: ***Central Facilities Area***
Estimate Number:***3951-E5***

ER DETAIL ITEM REPORT

Client: ***D. J. Wagoner***
Prepared By: ***R. D. Roseland***
Estimate Type: ***Project Support***

LEVEL	Org/Subcontractor	QTY	Hrs	Crew/Rate	Labor	Const Eqp	Matl	S/C	Other	TOTAL
— D36210 CLEAR & GRUB										
	BBWI-A	U.C. per CRAFTHrs	0.042	Z08	3.435	0	0	0	0	3.435
SUPERVISOR, OPERATIONS - CRAFTS		23.00	1	$81.78	$79	$0	$0	$0	$0	$79
Subtotal					$1,113	$1,171	$0	$0	$0	$2,285
Sales Tax					$0	$0	$0	$0	$0	$0
INEEL ORG Labor/Subcontractor Overheads					$160	$0	$0	$0	$0	$160
Subtotal Estimate										**$2,445**
Escalation					$0	$0	$0	$0	$0	$0
Contingency					$0	$0	$0	$0	$0	$0
—Total D36210 CLEAR & GRUB			**24**		**$1,274**	**$1,171**	**$0**	**$0**	**$0**	**$2,445**
— D36180 REMOVE EXISTING FENCING										
U21	BBWI-A	U.C. per DAY	30	U21	1041.913	0	0	0	0	1041.913
LABORERS (3 EACH)		3.00	90	$34.73	$3,126	$0	$0	$0	$0	$3,126
76647		U.C. per DAY	10	76647	0	62.1	0	0	0	62.1
EXCAVATOR - JD 690 ELC 40,000 LB.		3.00	30		$0	$186	$0	$0	$0	$186
U71570	BBWI-A	U.C. per DAY	10	U71	500.36	0	0	0	0	500.36
HEAVY EQUIPMENT OPERATOR (EXCAVATOR)		3.00	30	$50.04	$1,501	$0	$0	$0	$0	$1,501
71792		U.C. per DAY	10	71792	0	60.9	0	0	0	60.9
TRUCK - DUMP 15 CY		1.00	10		$0	$61	$0	$0	$0	$61
	BBWI-A	U.C. per DAY	10	U71	500.36	0	0	0	0	500.36
HEAVY EQUIPMENT OPERATOR (DUMP TRUCK)		1.00	10	$50.04	$500	$0	$0	$0	$0	$500
	BBWI-A	U.C. per CRAFTHrs	0.15	Z11	9.327	0	0	0	0	9.327
FOREMAN, CRAFTS @ 15%		130.00	20	$62.18	$1,212	$0	$0	$0	$0	$1,212
	BBWI-A	U.C. per CRAFTHrs	0.042	Z08	3.435	0	0	0	0	3.435
SUPERVISOR, OPERATIONS - CRAFTS		149.00	6	$81.78	$512	$0	$0	$0	$0	$512
Subtotal					$6,851	$247	$0	$0	$0	$7,099
Sales Tax					$0	$0	$0	$0	$0	$0
INEEL ORG Labor/Subcontractor Overheads					$987	$0	$0	$0	$0	$987
Subtotal Estimate										**$8,085**
Escalation					$0	$0	$0	$0	$0	$0
Contingency					$0	$0	$0	$0	$0	$0
—Total D36180 REMOVE EXISTING FENCING			**156**		**$7,838**	**$247**	**$0**	**$0**	**$0**	**$8,085**
— D36200 REMOVE TEMPORARY POWER POLE, PANEL, & CABLE										
Memo:	***Haul to CFA excess yard for salvage. Assume that no outage is required & that the pole nearest to it does not have to be guyed.***									
	BBWI-A	U.C. per LOT	18	U23	944.84	0	0	0	0	944.84
LINEMAN - 3 EACH		1.00	18	$52.49	$945	$0	$0	$0	$0	$945

Project Name:
CFA-04 MERCURY POND REMEDIAL ACTION (WITH END DUMPS & ROLL-OFFS)
Project Location: ***Central Facilities Area***
Estimate Number: ***3951-E5***

ER DETAIL ITEM REPORT

Client: ***D. J. Wagoner***
Prepared By: ***R. D. Roseland***
Estimate Type: ***Project Support***

LEVEL	Org/Subcontractor	QTY	Hrs	Crew/Rate	Labor	Const Eqp	Matl	S/C	Other	TOTAL
— D36200 REMOVE TEMPORARY POWER POLE, PANEL, & CABLE										
Memo:	***Haul to CFA excess yard for salvage. Assume that no outage is required & that the pole nearest to it does not have to be guyed.***									
U11	BBWI-A	U.C. per LOT	12	U11	604.8	0	0	0	0	604.8
ELECTRICIAN - 2 EACH		1.00	12	$50.40	$605	$0	$0	$0	$0	$605
		U.C. per DAY		P60	0	300	0	0	0	300
BUCKET TRUCK (RENTED)		1.00	0		$0	$300	$0	$0	$0	$300
	BBWI-A	U.C. per EACH	10	U71	500.36	0	0	0	0	500.36
HEAVY EQUIPMENT OPERATOR (BUCKET TRUCK)		1.00	10	$50.04	$500	$0	$0	$0	$0	$500
Memo: Hours include travel time to & from Idaho Falls or Pocatello.										
76647		U.C. per EACH	2	76647	0	12.42	0	0	0	12.42
EXCAVATOR - JD 690 ELC 40,000 LB.		1.00	2		$0	$12	$0	$0	$0	$12
	BBWI-A	U.C. per EACH	2	U71	100.07	0	0	0	0	100.07
HEAVY EQUIPMENT OPERATOR (EXCAVATOR)		1.00	2	$50.03	$100	$0	$0	$0	$0	$100
	BBWI-A	U.C. per CRAFTHrs	0.15	Z11	9.327	0	0	0	0	9.327
FOREMAN, CRAFTS @ 15%		42.00	6	$62.18	$392	$0	$0	$0	$0	$392
	BBWI-A	U.C. per CRAFTHrs	0.042	Z08	3.435	0	0	0	0	3.435
SUPERVISOR, OPERATIONS - CRAFTS		48.00	2	$81.79	$165	$0	$0	$0	$0	$165
Subtotal					$2,707	$312	$0	$0	$0	$3,019
Sales Tax					$0	$0	$0	$0	$0	$0
INEEL ORG Labor/Subcontractor Overheads					$390	$0	$0	$0	$0	$390
Subtotal Estimate										**$3,409**
Escalation					$0	$0	$0	$0	$0	$0
Contingency					$0	$0	$0	$0	$0	$0
—Total D36200 REMOVE TEMPORARY POWER POLE, PANEL, & CABLE			**50**		**$3,096**	**$312**	**$0**	**$0**	**$0**	**$3,409**
— D35190 BUILD PLATFORMS FOR TRUCK LINER ACCESS										
	BBWI-A	U.C. per EACH	30	U06	1475.65	0	0	0	0	1475.65
BUILD ACCESS PLATFORMS		2.00	60	$49.19	$2,951	$0	$0	$0	$0	$2,951
	BBWI-A	U.C. per EACH	10	U06	491.885	0	0	0	0	491.885
DISMANTLE ACCESS PLATFORMS		2.00	20	$49.19	$984	$0	$0	$0	$0	$984
	BBWI-A	U.C. per CRAFTHrs	0.15	Z11	9.327	0	0	0	0	9.327
FOREMAN, CRAFTS @ 15%		80.00	12	$62.18	$746	$0	$0	$0	$0	$746

Project Name: **ER DETAIL ITEM REPORT**

CFA-04 MERCURY POND REMEDIAL ACTION (WITH END DUMPS & ROLL-OFFS)
Project Location: ***Central Facilities Area***
Estimate Number: ***3951-E5***

Client: ***D. J. Wagoner***
Prepared By: ***R. D. Roseland***
Estimate Type: ***Project Support***

LEVEL	Org/Subcontractor	QTY	Hrs	Crew/Rate	Labor	Const Eqp	Matl	S/C	Other	TOTAL
— D36190 BUILD PLATFORMS FOR TRUCK LINER ACCESS										
	BBWI-A	U.C. per CRAFTHrs	0.042	Z08	3.435	0	0	0	0	3.435
SUPERVISOR, OPERATIONS - CRAFTS		92.00	4	$81.79	$316	$0	$0	$0	$0	$316
Subtotal					$4,997	$0	$0	$0	$0	$4,997
Sales Tax					$0	$0	$0	$0	$0	$0
INEEL ORG Labor/Subcontractor Overheads					$720	$0	$0	$0	$0	$720
Subtotal Estimate										**$5,717**
Escalation					$0	$0	$0	$0	$0	$0
Contingency					$0	$0	$0	$0	$0	$0
—Total D36190 BUILD PLATFORMS FOR TRUCK LINER ACCESS			**96**		**$5,717**	**$0**	**$0**	**$0**	**$0**	**$5,717**
— D36230 EXC & HAUL NON-RAD Hg SOIL/ACM TO CFA										
Memo:	*5,880 bank cubic yards (BCY) or 7,056 loose cubic yards (LCY) at 20% swell. Assume that an end dump will hold 20 BCY. 5,880 BCY divided by 20 BCY/load = 294 loads. Includes loading the end dumps with pit run gravel for the return trip to the pond & stockpiling it for backfilling the excavated areas.*									
76647		U.C. per DAY	10	76647	0	62.1	0	0	0	62.1
EXCAVATOR - JD 690 ELC 40,000 LB. (AT POND)		14.00	140		$0	$869	$0	$0	$0	$869
75621		U.C. per DAY	10	75621	0	44.8	0	0	0	44.8
LOADER - FRONT END 921 - 4.75 CY (AT CFA)		14.00	140		$0	$627	$0	$0	$0	$627
71653		U.C. per DAY	10	71653	0	30	0	0	0	30
TRUCK - SEMI TRACTOR 20 TON		14.00	140		$0	$420	$0	$0	$0	$420
71654		U.C. per DAY	10	71654	0	26.8	0	0	0	26.8
TRUCK - SEMI TRACTOR 20 TON		14.00	140		$0	$375	$0	$0	$0	$375
71823		U.C. per DAY	10	71823	0	22.1	0	0	0	22.1
TRAILER - END DUMP		14.00	140		$0	$309	$0	$0	$0	$309
71824		U.C. per DAY	10	71824	0	25.1	0	0	0	25.1
TRAILER - END DUMP		14.00	140		$0	$351	$0	$0	$0	$351
	BBWI-A	U.C. per DAY	40	U71	2001.437	0	0	0	0	2001.437
HEAVY EQUIPMENT OPERATORS - 4 EACH		14.00	560	$50.04	$28,020	$0	$0	$0	$0	$28,020
71798		U.C. per DAY	10	71798	0	31.4	0	0	0	31.4
TRUCK - HYDROSEEDER (FOR DUST CONTROL, WETTING ROOFING)		14.00	140		$0	$440	$0	$0	$0	$440
	BBWI-A	U.C. per DAY	10	U21	347.304	0	0	0	0	347.304
LABORER		14.00	140	$34.73	$4,862	$0	$0	$0	$0	$4,862
		U.C. per DAY		M60	0	0	200	0	0	200
ALLOWANCE FOR SPECIAL PPE (SUITS, BOOTIES, GLOVES, MASKS, ETC)		14.00	0		$0	$0	$2,800	$0	$0	$2,800
	BBWI-A	U.C. per CRAFTHrs	0.15	Z11	9.327	0	0	0	0	9.327
FOREMAN, CRAFTS @ 15%		700.00	105	$62.18	$6,529	$0	$0	$0	$0	$6,529

Project Name:
CFA-04 MERCURY POND REMEDIAL ACTION (WITH END DUMPS & ROLL-OFFS)
Project Location: ***Central Facilities Area***
Estimate Number: ***3951-E5***

ER DETAIL ITEM REPORT

Client: ***D. J. Wagoner***
Prepared By: ***R. D. Roseland***
Estimate Type: ***Project Support***

LEVEL	Org/Subcontractor	QTY	Hrs	Crew/Rate	Labor	Const Eqp	Matl	S/C	Other	TOTAL
— D36230 EXC & HAUL NON-RAD Hg SOIL/ACM TO CFA										
Memo:	*5,880 bank cubic yards (BCY) or 7,056 loose cubic yards (LCY) at 20% swell. Assume that an end dump will hold 20 BCY. 5,880 BCY divided by 20 BCY/load = 294 loads. Includes loading the end dumps with pit run gravel for the return trip to the pond & stockpiling it for backfilling the excavated areas.*									
	BBWI-A	U.C. per CRAFTHrs	0.042	Z08	3.435	0	0	0	0	3.435
SUPERVISOR, OPERATIONS - CRAFTS		805.00	34	$81.78	$2,765	$0	$0	$0	$0	$2,765
Subtotal					$42,176	$3,392	$2,800	$0	$0	$48,369
Sales Tax					$0	$0	$140	$0	$0	$140
INEEL ORG Labor/Subcontractor Overheads					$6,073	$0	$0	$0	$0	$6,073
Subtotal Estimate										**$54,582**
Escalation					$0	$0	$0	$0	$0	$0
Contingency					$0	$0	$0	$0	$0	$0
—Total D36230 EXC & HAUL NON-RAD Hg SOIL/ACM TO CFA			**839**		**$48,250**	**$3,392**	**$2,940**	**$0**	**$0**	**$54,582**
— D36240 EXCAVATE FOR BOTTLES CONTAINING CALCINE										
75676		U.C. per DAY	10	75676	0	226.2	0	0	0	226.2
EXCAVATOR - CASE JI688 30,000 LB		2.00	20		$0	$452	$0	$0	$0	$452
	BBWI-A	U.C. per DAY	10	U71	500.36	0	0	0	0	500.36
HEAVY EQUIPMENT OPERATOR		2.00	20	$50.04	$1,001	$0	$0	$0	$0	$1,001
U21570	BBWI-A	U.C. per DAY	30	U21	1041.91	0	0	0	0	1041.91
LABORERS - 3 EACH		2.00	60	$34.73	$2,084	$0	$0	$0	$0	$2,084
		U.C. per DAY		M60	0	0	100	0	0	100
ALLOWANCE FOR SPECIAL PPE (SUITS, BOOTIES, GLOVES, MASKS, ETC)		2.00	0		$0	$0	$200	$0	$0	$200
	BBWI-A	U.C. per CRAFTHrs	0.15	Z11	9.327	0	0	0	0	9.327
FOREMAN, CRAFTS @ 15%		80.00	12	$62.18	$746	$0	$0	$0	$0	$746
	BBWI-A	U.C. per CRAFTHrs	0.042	Z08	3.435	0	0	0	0	3.435
SUPERVISOR, OPERATIONS - CRAFTS		92.00	4	$81.79	$316	$0	$0	$0	$0	$316
Subtotal					$4,147	$452	$200	$0	$0	$4,799
Sales Tax					$0	$0	$10	$0	$0	$10
INEEL ORG Labor/Subcontractor Overheads					$597	$0	$0	$0	$0	$597
Subtotal Estimate										**$5,406**
Escalation					$0	$0	$0	$0	$0	$0
Contingency					$0	$0	$0	$0	$0	$0
—Total D36240 EXCAVATE FOR BOTTLES CONTAINING CALCINE			**96**		**$4,744**	**$452**	**$210**	**$0**	**$0**	**$5,406**
— D36241 EXC & HAUL DEEPER Hg SOIL TO ICDF										
Memo:	*1,492 bank cubic yards (BCY) or 1,790 Loose cubic yards (LCY) at 20% swell. Soil is to be loaded into rented roll-off containers & hauled to ICDF for disposal. Assume that a 20 CY container will hold 15 BCY. 1,492 BCY divided by 15 BCY/container = 100 loads.*									
75712		U.C. per DAY	10	75712	0	89.4	0	0	0	89.4
DOZER - TRACTOR D8N 90,000 LB.		5.00	50		$0	$447	$0	$0	$0	$447

Project Name:
CFA-04 MERCURY POND REMEDIAL ACTION (WITH END DUMPS & ROLL-OFFS)
Project Location: *Central Facilities Area*
Estimate Number: *3951-E5*

ER DETAIL ITEM REPORT

Client: *D. J. Wagoner*
Prepared By: *R. D. Roseland*
Estimate Type: *Project Support*

LEVEL	Org/Subcontractor	QTY	Hrs	Crew/Rate	Labor	Const Eqp	Matl	S/C	Other	TOTAL
-- D36241 EXC & HAUL DEEPER Hg SOIL TO ICDF										
Memo: *1,492 bank cubic yards (BCY) or 1,790 Loose cubic yards (LCY) at 20% swell. Soil is to be loaded into rented roll-off containers & hauled to ICDF for disposal. Assume that a 20 CY container will hold 15 BCY. 1,492 BCY divided by 15 BCY/container = 100 loads.*										
75621		U.C. per DAY	10	75621	0	44.8	0	0	0	44.8
LOADER - FRONT END 921 - 4.75 CY		5.00	50		$0	$224	$0	$0	$0	$224
71653		U.C. per DAY	10	71653	0	30	0	0	0	30
TRUCK - SEMI TRACTOR 20 TON		5.00	50		$0	$150	$0	$0	$0	$150
71654		U.C. per DAY	10	71654	0	26.8	0	0	0	26.8
TRUCK - SEMI TRACTOR 20 TON		5.00	50		$0	$134	$0	$0	$0	$134
		U.C. per DAY		P60	0	300	0	0	0	300
SEMI-TRAILER RENTAL - 2 EACH (FOR ROLLOFFS)		5.00	0		$0	$1,500	$0	$0	$0	$1,500
Memo: Estimate $15/hour or $150/day per trailer.										
U71570	BBWI-A	U.C. per DAY	40	U71	2001.436	0	0	0	0	2001.436
HEAVY EQUIPMENT OPERATORS - 4 EACH		5.00	200	$50.04	$10,007	$0	$0	$0	$0	$10,007
71798		U.C. per DAY	10	71798	0	31.4	0	0	0	31.4
TRUCK - HYDROSEEDER (FOR DUST CONTROL)		5.00	50		$0	$157	$0	$0	$0	$157
U21570	BBWI-A	U.C. per DAY	30	U21	1041.912	0	0	0	0	1041.912
LABORERS - 3 EACH		5.00	150	$34.73	$5,210	$0	$0	$0	$0	$5,210
		U.C. per CAL-DAY		M80	0	0	0	400	0	400
CONTAINER RENTAL - 40 EACH		11.00	0		$0	$0	$0	$4,400	$0	$4,400
Memo: Assume that containers will not be available from ICDF. Approximate rental rate is $10/container/calendar day from an outside supplier such as T. W. Company. Assume that 40 containers will allow ICDF to support unloading a maximum of 22 containers/day. These containers will also be used for hauling other soil to ICDF. Rental days indicated are associated with this soil only but include 2 days for delivery & return time.										
		U.C. per EACH		M80	0	0	0	350	0	350
CONTAINER DELIVERY - 40 EACH		40.00	0		$0	$0	$0	$14,000	$0	$14,000
Memo: Approx. T. W. Company delivery charge is $700 for 2 containers shipped on 1 truck, so use $350/container.										
		U.C. per EACH		M80	0	0	0	350	0	350
CONTAINER RETURN - 40 EACH		40.00	0		$0	$0	$0	$14,000	$0	$14,000
Memo: Use same rate as for delivery.										
		U.C. per LOAD		M60	0	0	40	0	0	40
PURCHASE TRUCK LINERS		100.00	0		$0	$0	$4,000	$0	$0	$4,000
		U.C. per DAY		M60	0	0	100	0	0	100
ALLOWANCE FOR SPECIAL PPE (SUITS, BOOTIES, GLOVES, MASKS, ETC)		5.00	0		$0	$0	$500	$0	$0	$500
	BBWI-A	U.C. per CRAFTHrs	0.15	Z11	9.327	0	0	0	0	9.327
FOREMAN, CRAFTS @ 15%		350.00	53	$62.18	$3,264	$0	$0	$0	$0	$3,264

Project Name:
CFA-04 MERCURY POND REMEDIAL ACTION (WITH END DUMPS & ROLL-OFFS)
Project Location: ***Central Facilities Area***
Estimate Number: ***3951-E5***

ER DETAIL ITEM REPORT

Client: ***D. J. Wagoner***
Prepared By: ***R. D. Roseland***
Estimate Type: ***Project Support***

LEVEL	Org/Subcontractor	QTY	Hrs	Crew/Rate	Labor	Const Eqp	Matl	S/C	Other	TOTAL
— D36241 EXC & HAUL DEEPER Hg SOIL TO ICDF										
Memo: *1,492 bank cubic yards (BCY) or 1,790 Loose cubic yards (LCY) at 20% swell. Soil is to be loaded into rented roll-off containers & hauled to ICDF for disposal. Assume that a 20 CY container will hold 15 BCY. 1,492 BCY divided by 15 BCY/container = 100 loads.*										
	BBWI-A	U.C. per CRAFTHrs	0.042	Z08	3.435	0	0	0	0	3.435
SUPERVISOR, OPERATIONS - CRAFTS		402.00	17	$81.79	$1,381	$0	$0	$0	$0	$1,381
Subtotal					$19,862	$2,612	$4,500	$32,400	$0	$59,374
Sales Tax					$0	$0	$225	$0	$0	$225
INEEL ORG Labor/Subcontractor Overheads					$2,860	$0	$0	$0	$0	$2,860
Subtotal Estimate										**$62,459**
Escalation					$0	$0	$0	$0	$0	$0
Contingency					$0	$0	$0	$0	$0	$0
—Total D36241 EXC & HAUL DEEPER Hg SOIL TO ICDF			**419**		**$22,722**	**$2,612**	**$4,725**	**$32,400**	**$0**	**$62,459**
— D36250 EXC & HAUL TCLP SOIL TO ICDF										
Memo: *674 bank cubic yards (BCY) or 809 loose cubic yards (LCY) at 20% swell. material is to be loaded into rented roll-off containers & hauled to ICDF & stockpiled for disposal (cement stabilization). ICDF is to provide a lay-down area & place tarps over the material if needed. Assume that a 20 CY container will hold 15 BCY. 674 BCY divided by 15 BCY/container = 45 loads.*										
76647		U.C. per DAY	10	76647	0	62.1	0	0	0	62.1
EXCAVATOR - JD 690 ELC 40,000 LB		3.00	30		$0	$186	$0	$0	$0	$186
75621		U.C. per DAY	10	75621	0	44.8	0	0	0	44.8
LOADER - FRONT END 921 - 4.75 CY		3.00	30		$0	$134	$0	$0	$0	$134
71653		U.C. per DAY	10	71653	0	30	0	0	0	30
TRUCK - SEMI TRACTOR 20 TON		3.00	30		$0	$90	$0	$0	$0	$90
71654		U.C. per DAY	10	71654	0	26.8	0	0	0	26.8
TRUCK - SEMI TRACTOR 20 TON		3.00	30		$0	$80	$0	$0	$0	$80
		U.C. per DAY		P60	0	300	0	0	0	300
SEMI-TRAILER RENTAL - 2 EACH (FOR ROLLOFFS)		3.00	0		$0	$900	$0	$0	$0	$900
Memo: Estimate $15/hour or $150/day per trailer.										
U71570	BBWI-A	U.C. per DAY	40	U71	2001.437	0	0	0	0	2001.437
HEAVY EQUIPMENT OPERATORS - 4 EACH		3.00	120	$50.04	$6,004	$0	$0	$0	$0	$6,004
71798		U.C. per DAY	10	71798	0	31.4	0	0	0	31.4
TRUCK - HYDROSEEDER (FOR DUST CONTROL)		3.00	30		$0	$94	$0	$0	$0	$94
U21570	BBWI-A	U.C. per DAY	30	U21	1041.913	0	0	0	0	1041.913
LABORERS - 3 EACH		3.00	90	$34.73	$3,126	$0	$0	$0	$0	$3,126
		U.C. per CAL-DAY		M80	0	0	0	400	0	400
CONTAINER RENTAL - 40 EACH		5.00	0		$0	$0	$0	$2,000	$0	$2,000
		U.C. per LOAD		M60	0	0	40	0	0	40
PURCHASE TRUCK LINERS		45.00	0		$0	$0	$1,800	$0	$0	$1,800

Project Name:
CFA-04 MERCURY POND REMEDIAL ACTION (WITH END DUMPS & ROLL-OFFS)
Project Location: *Central Facilities Area*
Estimate Number: *3951-E5*

ER DETAIL ITEM REPORT

Client: *D. J. Wagoner*
Prepared By: *R. D. Roseland*
Estimate Type: *Project Support*

LEVEL	Org/Subcontractor	QTY	Hrs	Crew/Rate	Labor	Const Eqp	Matl	S/C	Other	TOTAL
— D36250 EXC & HAUL TCLP SOIL TO ICDF										
Memo: *674 bank cubic yards (BCY) or 809 loose cubic yards (LCY) at 20% swell. material is to be loaded into rented roll-off containers & hauled to ICDF & stockpiled for disposal (cement stabilization). ICDF is to provide a lay-down area & place tarps over the material if needed. Assume that a 20 CY container will hold 15 BCY. 674 BCY divided by 15 BCY/container = 45 loads.*										
	U.C. per DAY			M60	0	0	200	0	0	200
ALLOWANCE FOR SPECIAL PPE (SUITS, BOOTIES, GLOVES, MASKS, ETC)		3.00	0		$0	$0	$600	$0	$0	$600
BBWI-A	U.C. per CRAFTHrs		0.15	Z11	9.327	0	0	0	0	9.327
FOREMAN, CRAFTS @ 15%		210.00	32	$62.18	$1,959	$0	$0	$0	$0	$1,959
BBWI-A	U.C. per CRAFTHrs		0.042	Z08	3.435	0	0	0	0	3.435
SUPERVISOR, OPERATIONS - CRAFTS		241.00	10	$81.79	$828	$0	$0	$0	$0	$828
Subtotal					$11,917	$1,485	$2,400	$2,000	$0	$17,802
Sales Tax					$0	$0	$120	$0	$0	$120
INEEL ORG Labor/Subcontractor Overheads					$1,716	$0	$0	$0	$0	$1,716
Subtotal Estimate										**$19,638**
Escalation					$0	$0	$0	$0	$0	$0
Contingency					$0	$0	$0	$0	$0	$0
—Total D36250 EXC & HAUL TCLP SOIL TO ICDF			**252**		**$13,632**	**$1,485**	**$2,520**	**$2,000**	**$0**	**$19,638**
— D36260 EXC & HAUL LOW-LEVEL Hg SOIL TO ICDF										
Memo: *2,551 bank cubic yards (BCY) or 3,061 loose cubic yards (LCY) at 20% swell. Material is to be loaded into rented roll-off containers & hauled to ICDF for disposal. Assume that a 20 CY container will hold 15 BCY. 2,551 BCY divided by 15 BCY/container = 170 loads.*										
75712	U.C. per DAY		10	75712	0	89.4	0	0	0	89.4
DOZER - TRACTOR D8N 90,000 LB.		8.00	80		$0	$715	$0	$0	$0	$715
75621	U.C. per DAY		10	75621	0	44.8	0	0	0	44.8
LOADER - FRONT END 921 - 4.75 CY		8.00	80		$0	$358	$0	$0	$0	$358
71653	U.C. per DAY		10	71653	0	30	0	0	0	30
TRUCK - SEMI TRACTOR 20 TON		8.00	80		$0	$240	$0	$0	$0	$240
71654	U.C. per DAY		10	71654	0	26.8	0	0	0	26.8
TRUCK - SEMI TRACTOR 20 TON		8.00	80		$0	$214	$0	$0	$0	$214
	U.C. per DAY			P60	0	300	0	0	0	300
SEMI-TRAILER RENTAL - 2 EACH (FOR ROLLOFFS)		8.00	0		$0	$2,400	$0	$0	$0	$2,400
Memo: Estimate $15/hour or $150/day per trailer.										
U71570 BBWI-A	U.C. per DAY		40	U71	2001.438	0	0	0	0	2001.438
HEAVY EQUIPMENT OPERATORS - 4 EACH		8.00	320	$50.04	$16,012	$0	$0	$0	$0	$16,012
71798	U.C. per DAY		10	71798	0	31.4	0	0	0	31.4
TRUCK - HYDROSEEDER (FOR DUST CONTROL)		8.00	80		$0	$251	$0	$0	$0	$251
U21570 BBWI-A	U.C. per DAY		30	U21	1041.913	0	0	0	0	1041.913
LABORERS - 3 EACH		8.00	240	$34.73	$8,335	$0	$0	$0	$0	$8,335

Project Name:
CFA-04 MERCURY POND REMEDIAL ACTION (WITH END DUMPS & ROLL-OFFS)
Project Location: *Central Facilities Area*
Estimate Number: *3951-E5*

ER DETAIL ITEM REPORT

Client: *D. J. Wagoner*
Prepared By: *R. D. Roseland*
Estimate Type: *Project Support*

LEVEL	Org/Subcontractor	QTY	Hrs	Crew/Rate	Labor	Const Eqp	Matl	S/C	Other	TOTAL
-- D36260 EXC & HAUL LOW-LEVEL Hg SOIL TO ICDF										
Memo: *2,551 bank cubic yards (BCY) or 3,061 loose cubic yards (LCY) at 20% swell. Material is to be loaded into rented roll-off containers & hauled to ICDF for disposal. Assume that a 20 CY container will hold 15 BCY. 2,551 BCY divided by 15 BCY/container = 170 loads.*										
	U.C. per CAL-DAY			M80	0	0	0	400	0	400
CONTAINER RENTAL - 40 EACH		14.00	0		$0	$0	$0	$5,600	$0	$5,600
	U.C. per LOAD			M60	0	0	40	0	0	40
PURCHASE TRUCK LINERS		170.00	0		$0	$0	$6,800	$0	$0	$6,800
	U.C. per DAY			M60	0	0	100	0	0	100
ALLOWANCE FOR SPECIAL PPE (SUITS, BOOTIES, GLOVES, MASKS, ETC)		8.00	0		$0	$0	$800	$0	$0	$800
	BBWI-A	U.C. per CRAFTHrs	0.15	Z11	9.327	0	0	0	0	9.327
FOREMAN, CRAFTS @ 15%		560.00	84	$62.18	$5,223	$0	$0	$0	$0	$5,223
	BBWI-A	U.C. per CRAFTHrs	0.042	Z08	3.435	0	0	0	0	3.435
SUPERVISOR, OPERATIONS - CRAFTS		644.00	27	$81.78	$2,212	$0	$0	$0	$0	$2,212
Subtotal					$31,782	$4,179	$7,600	$5,600	$0	$49,161
Sales Tax					$0	$0	$380	$0	$0	$380
INEEL ORG Labor/Subcontractor Overheads					$4,577	$0	$0	$0	$0	$4,577
Subtotal Estimate										**$54,118**
Escalation					$0	$0	$0	$0	$0	$0
Contingency					$0	$0	$0	$0	$0	$0
--Total D36260 EXC & HAUL LOW-LEVEL Hg SOIL TO ICDF			**671**		**$36,359**	**$4,179**	**$7,980**	**$5,600**	**$0**	**$54,118**
-- D36271 CLEAN BASALT SURFACE AT DEEPER Hg SOIL AREAS										
Memo: *Hand work, for the most part, in crevices and other areas hard to reach with large equipment. Most of the work will be done with a large "Utilovac" or similar vacuum & normal shop vacuums. It has been assumed that crevices less than 6" wide and greater than 12" deep do not have to be cleaned if it is too difficult. Assume that dust control requirements will be minimal. Assume that transportation & WGS support during this activity will not be required.*										
75676	U.C. per DAY		10	75676	0	226.2	0	0	0	226.2
EXCAVATOR - CASE JI688 30,000 LB		6.00	60		$0	$1,357	$0	$0	$0	$1,357
71653	U.C. per DAY		10	71653	0	30	0	0	0	30
TRUCK - SEMI TRACTOR 20 TON		6.00	60		$0	$180	$0	$0	$0	$180
	U.C. per DAY			P60	0	150	0	0	0	150
SEMI-TRAILER RENTAL - 1 EACH (FOR ROLLOFFS) Memo: Estimate $15/hour or $150/day per trailer.		6.00	0		$0	$900	$0	$0	$0	$900
71988	U.C. per DAY		10	71988	0	25.5	0	0	0	25.5
GENERATOR - TOWABLE - 40 KW		6.00	60		$0	$153	$0	$0	$0	$153
U71570 BBWI-A	U.C. per DAY		20	U71	1000.718	0	0	0	0	1000.718
HEAVY EQUIPMENT OPERATORS - 2 EACH		6.00	120	$50.04	$6,004	$0	$0	$0	$0	$6,004
U21570 BBWI-A	U.C. per DAY		30	U21	1041.912	0	0	0	0	1041.912
LABORERS - 3 EACH		6.00	180	$34.73	$6,251	$0	$0	$0	$0	$6,251

Project Name:
CFA-04 MERCURY POND REMEDIAL ACTION (WITH END DUMPS & ROLL-OFFS)
Project Location: *Central Facilities Area*
Estimate Number: *3951-E5*

ER DETAIL ITEM REPORT

Client: *D. J. Wagoner*
Prepared By: *R. D. Roseland*
Estimate Type: *Project Support*

LEVEL	Org/Subcontractor	QTY	Hrs	Crew/Rate	Labor	Const Eqp	Matl	S/C	Other	TOTAL
— D36271 CLEAN BASALT SURFACE AT DEEPER Hg SOIL AREAS										
Memo: *Hand work, for the most part, in crevices and other areas hard to reach with large equipment. Most of the work will be done with a large "Utilovac" or similar vacuum & normal shop vacuums. It has been assumed that crevices less than 6" wide and greater than 12" deep do not have to be cleaned if it is too difficult. Assume that dust control requirements will be minimal. Assume that transportation & WGS support during this activity will not be required.*										
CONTAINER RENTAL - 2 EACH	U.C. per CAL-DAY	11.00	0	M80	0 $0	0 $0	0 $0	20 $220	0 $0	20 $220
PURCHASE TRUCK LINERS	U.C. per LOAD	6.00	0	M60	0 $0	0 $0	40 $240	0 $0	0 $0	40 $240
ALLOWANCE FOR SPECIAL PPE (SUITS, BOOTIES, GLOVES, MASKS, ETC)	U.C. per DAY	6.00	0	M60	0 $0	0 $0	200 $1,200	0 $0	0 $0	200 $1,200
PURCHASE LARGE VACUUM	U.C. per LOT	1.00	0	M60	0 $0	0 $0	70000 $70,000	0 $0	0 $0	70000 $70,000
PURCHASE SHOP VACUUMS (CONSUMABLE)	U.C. per EACH	5.00	0	M60	0 $0	0 $0	200 $1,000	0 $0	0 $0	200 $1,000
BBWI-A FOREMAN, CRAFTS @ 15%	U.C. per CRAFTHrs	420.00	0.15 63	Z11 $62.18	9.327 $3,917	0 $0	0 $0	0 $0	0 $0	9.327 $3,917
BBWI-A SUPERVISOR, OPERATIONS - CRAFTS	U.C. per CRAFTHrs	483.00	0.042 20	Z08 $81.78	3.435 $1,659	0 $0	0 $0	0 $0	0 $0	3.435 $1,659
Subtotal					$17,832	$2,590	$72,440	$220	$0	$93,082
Sales Tax					$0	$0	$3,622	$0	$0	$3,622
INEEL ORG Labor/Subcontractor Overheads					$2,568	$0	$0	$0	$0	$2,568
Subtotal Estimate										**$99,272**
Escalation					$0	$0	$0	$0	$0	$0
Contingency					$0	$0	$0	$0	$0	$0
—Total D36271 CLEAN BASALT SURFACE AT DEEPER Hg SOIL AREAS			**383**		**$20,400**	**$2,590**	**$76,062**	**$220**	**$0**	**$99,272**
— D36272 CLEAN BASALT SURFACE AT LOW-LEVEL Hg SOIL AREAS										
75676 EXCAVATOR - CASE JI688 30,000 LB	U.C. per DAY	18.00	10 180	75676	0 $0	226.2 $4,072	0 $0	0 $0	0 $0	226.2 $4,072
71653 TRUCK - SEMI TRACTOR 20 TON	U.C. per DAY	18.00	10 180	71653	0 $0	30 $540	0 $0	0 $0	0 $0	30 $540
SEMI-TRAILER RENTAL - 1 EACH (FOR ROLLOFFS) Memo: Estimate $15/hour or $150/day per trailer.	U.C. per DAY	18.00	0	P60	0 $0	150 $2,700	0 $0	0 $0	0 $0	150 $2,700
71988 GENERATOR - TOWABLE - 40 KW	U.C. per DAY	18.00	10 180	71988	0 $0	25.5 $459	0 $0	0 $0	0 $0	25.5 $459
U71570 BBWI-A HEAVY EQUIPMENT OPERATORS - 2 EACH	U.C. per DAY	18.00	20 360	U71 $50.04	1000.718 $18,013	0 $0	0 $0	0 $0	0 $0	1000.718 $18,013

Project Name:
CFA-04 MERCURY POND REMEDIAL ACTION (WITH END DUMPS & ROLL-OFFS)
Project Location: ***Central Facilities Area***
Estimate Number:***3951-E5***

ER DETAIL ITEM REPORT

Client: ***D. J. Wagoner***
Prepared By: ***R. D. Roseland***
Estimate Type: ***Project Support***

LEVEL	Org/Subcontractor	QTY		Hrs	Crew/Rate		Labor	Const Eqp	Matl	S/C	Other	TOTAL
— D36272 CLEAN BASALT SURFACE AT LOW-LEVEL Hg SOIL AREAS												
U21570	BBWI-A	U.C. per DAY		30	U21		1041.912	0	0	0	0	1041.912
LABORERS - 3 EACH			18.00	540		$34.73	$18,754	$0	$0	$0	$0	$18,754
		U.C. per CAL-DAY			M80		0	0	0	20	0	20
CONTAINER RENTAL - 2 EACH			32.00	0			$0	$0	$0	$640	$0	$640
		U.C. per LOAD			M60		0	0	40	0	0	40
PURCHASE TRUCK LINERS			18.00	0			$0	$0	$720	$0	$0	$720
		U.C. per DAY			M60		0	0	200	0	0	200
ALLOWANCE FOR SPECIAL PPE (SUITS, BOOTIES, GLOVES, MASKS, ETC)			18.00	0			$0	$0	$3,600	$0	$0	$3,600
	BBWI-A	U.C. per CRAFTHrs		0.15	Z11		9.327	0	0	0	0	9.327
FOREMAN, CRAFTS @ 15%			1,260.00	189		$62.18	$11,752	$0	$0	$0	$0	$11,752
	BBWI-A	U.C. per CRAFTHrs		0.042	Z08		3.435	0	0	0	0	3.435
SUPERVISOR, OPERATIONS - CRAFTS			1,449.00	61		$81.78	$4,977	$0	$0	$0	$0	$4,977
Subtotal							$53,496	$7,771	$4,320	$640	$0	$66,227
Sales Tax							$0	$0	$216	$0	$0	$216
INEEL ORG Labor/Subcontractor Overheads							$7,703	$0	$0	$0	$0	$7,703
Subtotal Estimate												**$74,147**
Escalation							$0	$0	$0	$0	$0	$0
Contingency							$0	$0	$0	$0	$0	$0
—Total D36272 CLEAN BASALT SURFACE AT LOW-LEVEL Hg SOIL AREAS				**1,150**			**$61,200**	**$7,771**	**$4,536**	**$640**	**$0**	**$74,147**
— D38160 IMPORT PIT RUN GRAVEL FOR LOW-LEVEL Hg SOIL AREAS												
75621		U.C. per DAY		10	75621		0	44.8	0	0	0	44.8
LOADER - FRONT END 921 - 4.75 CY			6.00	60			$0	$269	$0	$0	$0	$269
71653		U.C. per DAY		10	71653		0	30	0	0	0	30
TRUCK - SEMI TRACTOR 20 TON			6.00	60			$0	$180	$0	$0	$0	$180
71654		U.C. per DAY		10	71654		0	26.8	0	0	0	26.8
TRUCK - SEMI TRACTOR 20 TON			6.00	60			$0	$161	$0	$0	$0	$161
71823		U.C. per DAY		10	71823		0	22.1	0	0	0	22.1
TRAILER - END DUMP			6.00	60			$0	$133	$0	$0	$0	$133
71824		U.C. per DAY		10	71824		0	25.1	0	0	0	25.1
TRAILER - END DUMP			6.00	60			$0	$151	$0	$0	$0	$151
U71570	BBWI-A	U.C. per DAY		30	U71		1501.078	0	0	0	0	1501.078
HEAVY EQUIPMENT OPERATORS - 3 EACH			6.00	180		$50.04	$9,006	$0	$0	$0	$0	$9,006
U21570	BBWI-A	U.C. per DAY		10	U21		347.303	0	0	0	0	347.303
LABORER			6.00	60		$34.73	$2,084	$0	$0	$0	$0	$2,084

Project Name:
CFA-04 MERCURY POND REMEDIAL ACTION (WITH END DUMPS & ROLL-OFFS)
Project Location: ***Central Facilities Area***
Estimate Number: ***3951-E5***

ER DETAIL ITEM REPORT

Client: ***D. J. Wagoner***
Prepared By: ***R. D. Roseland***
Estimate Type: ***Project Support***

LEVEL	Org/Subcontractor	QTY	Hrs	Crew/Rate	Labor	Const Eqp	Matl	S/C	Other	TOTAL
— D38160 IMPORT PIT RUN GRAVEL FOR LOW-LEVEL Hg SOIL AREAS										
	BBWI-A	U.C. per CRAFTHrs	0.15	Z11	9.327	0	0	0	0	9.327
FOREMAN, CRAFTS @ 15%		240.00	36	$62.18	$2,238	$0	$0	$0	$0	$2,238
	BBWI-A	U.C. per CRAFTHrs	0.042	Z08	3.435	0	0	0	0	3.435
SUPERVISOR, OPERATIONS - CRAFTS		276.00	12	$81.78	$948	$0	$0	$0	$0	$948
Subtotal					$14,277	$893	$0	$0	$0	$15,170
Sales Tax					$0	$0	$0	$0	$0	$0
INEEL ORG Labor/Subcontractor Overheads					$2,056	$0	$0	$0	$0	$2,056
Subtotal Estimate										**$17,225**
Escalation					$751	$41	$0	$0	$0	$792
Contingency					$0	$0	$0	$0	$0	$0
--Total D38160 IMPORT PIT RUN GRAVEL FOR LOW-LEVEL Hg SOIL AREAS			**288**		**$17,084**	**$934**	**$0**	**$0**	**$0**	**$18,018**
-- D38171 PLACE PIT RUN GRAVEL AT NON-RAD Hg SOIL AREAS										
75712		U.C. per DAY	10	75712	0	89.4	0	0	0	89.4
DOZER - TRACTOR D8N 90,000 LB.		6.00	60		$0	$536	$0	$0	$0	$536
		U.C. per DAY	10	75609	0	84.3	0	0	0	84.3
ROLLER SELF PROPELLED - VIBRATING		6.00	60		$0	$506	$0	$0	$0	$506
	BBWI-A	U.C. per DAY	20	U71	1000.718	0	0	0	0	1000.718
HEAVY EQUIPMENT OPERATORS -2 EACH		6.00	120	$50.04	$6,004	$0	$0	$0	$0	$6,004
71798		U.C. per DAY	10	71798	0	31.4	0	0	0	31.4
TRUCK - HYDROSEEDER (FOR COMPACTION & DUST CONTROL)		6.00	60		$0	$188	$0	$0	$0	$188
U21570	BBWI-A	U.C. per DAY	10	U21	347.303	0	0	0	0	347.303
LABORER		6.00	60	$34.73	$2,084	$0	$0	$0	$0	$2,084
	BBWI-A	U.C. per CRAFTHrs	0.15	Z11	9.327	0	0	0	0	9.327
FOREMAN, CRAFTS @ 15%		180.00	27	$62.18	$1,679	$0	$0	$0	$0	$1,679
	BBWI-A	U.C. per CRAFTHrs	0.042	Z08	3.435	0	0	0	0	3.435
SUPERVISOR, OPERATIONS - CRAFTS		207.00	9	$81.79	$711	$0	$0	$0	$0	$711
Subtotal					$10,478	$1,231	$0	$0	$0	$11,709
Sales Tax					$0	$0	$0	$0	$0	$0
INEEL ORG Labor/Subcontractor Overheads					$1,509	$0	$0	$0	$0	$1,509
Subtotal Estimate										**$13,217**
Escalation					$551	$57	$0	$0	$0	$608
Contingency					$0	$0	$0	$0	$0	$0
--Total D38171 PLACE PIT RUN GRAVEL AT NON-RAD Hg SOIL AREAS			**216**		**$12,538**	**$1,287**	**$0**	**$0**	**$0**	**$13,825**

Project Name:
CFA-04 MERCURY POND REMEDIAL ACTION (WITH END DUMPS & ROLL-OFFS)
Project Location: *Central Facilities Area*
Estimate Number: *3951-E5*

ER DETAIL ITEM REPORT

Client: *D. J. Wagoner*
Prepared By: *R. D. Roseland*
Estimate Type: *Project Support*

LEVEL	Org/Subcontractor	QTY		Hrs	Crew/Rate	Labor	Const Eqp	Matl	S/C	Other	TOTAL
-- D38172 GRADE SLOPES & PLACE SOIL AT NON-RAD Hg SOIL AREAS											
75712		U.C. per DAY		10	75712	0	89.4	0	0	0	89.4
DOZER - TRACTOR D8N 90,000 LB.			2.00	20		$0	$179	$0	$0	$0	$179
		U.C. per DAY		10	75609	0	84.3	0	0	0	84.3
ROLLER SELF PROPELLED - VIBRATING			2.00	20		$0	$169	$0	$0	$0	$169
	BBWI-A	U.C. per DAY		20	U71	1000.72	0	0	0	0	1000 72
HEAVY EQUIPMENT OPERATORS -2 EACH			2 00	40	$50.04	$2,001	$0	$0	$0	$0	$2,001
71798		U.C. per DAY		10	71798	0	31.4	0	0	0	31.4
TRUCK - HYDROSEEDER (FOR COMPACTION & DUST CONTROL)			2.00	20		$0	$63	$0	$0	$0	$63
U21570	BBWI-A	U.C. per DAY		10	U21	347.305	0	0	0	0	347.305
LABORER			2.00	20	$34 73	$695	$0	$0	$0	$0	$695
	BBWI-A	U.C. per CRAFTHrs		0.15	Z11	9.327	0	0	0	0	9.327
FOREMAN, CRAFTS @ 15%			60.00	9	$62.18	$560	$0	$0	$0	$0	$560
	BBWI-A	U.C. per CRAFTHrs		0.042	Z08	3.435	0	0	0	0	3.435
SUPERVISOR, OPERATIONS - CRAFTS			69.00	3	$81.78	$237	$0	$0	$0	$0	$237
Subtotal						$3,493	$410	$0	$0	$0	$3,903
Sales Tax						$0	$0	$0	$0	$0	$0
INEEL ORG Labor/Subcontractor Overheads						$503	$0	$0	$0	$0	$503
Subtotal Estimate											**$4,406**
Escalation						$184	$19	$0	$0	$0	$203
Contingency						$0	$0	$0	$0	$0	$0
--Total D38172 GRADE SLOPES & PLACE SOIL AT NON-RAD Hg SOIL AREAS				**72**		**$4,179**	**$429**	**$0**	**$0**	**$0**	**$4,608**
-- D38181 PLACE PIT RUN GRAVEL AT LOW-LEVEL Hg SOIL AREAS											
75712		U.C. per DAY		10	75712	0	89.4	0	0	0	89.4
DOZER - TRACTOR D8N 90,000 LB.			4.00	40		$0	$358	$0	$0	$0	$358
		U.C. per DAY		10	75609	0	84.3	0	0	0	84.3
ROLLER SELF PROPELLED - VIBRATING			4.00	40		$0	$337	$0	$0	$0	$337
	BBWI-A	U.C. per DAY		20	U71	1000.718	0	0	0	0	1000.718
HEAVY EQUIPMENT OPERATORS -2 EACH			4.00	80	$50.04	$4,003	$0	$0	$0	$0	$4,003
71798		U.C. per DAY		10	71798	0	31.4	0	0	0	31.4
TRUCK - HYDROSEEDER (FOR COMPACTION & DUST CONTROL)			4.00	40		$0	$126	$0	$0	$0	$126
U21570	BBWI-A	U.C. per DAY		10	U21	347.305	0	0	0	0	347.305
LABORER			4.00	40	$34.73	$1,389	$0	$0	$0	$0	$1,389
	BBWI-A	U.C. per CRAFTHrs		0.15	Z11	9.327	0	0	0	0	9.327
FOREMAN, CRAFTS @ 15%			120 00	18	$62.18	$1,119	$0	$0	$0	$0	$1,119

Project Name:
CFA-04 MERCURY POND REMEDIAL ACTION (WITH END DUMPS & ROLL-OFFS)
Project Location: *Central Facilities Area*
Estimate Number: *3951-E5*

ER DETAIL ITEM REPORT

Client: *D. J. Wagoner*
Prepared By: *R. D. Roseland*
Estimate Type: *Project Support*

LEVEL	Org/Subcontractor	QTY	Hrs	Crew/Rate	Labor	Const Eqp	Matl	S/C	Other	TOTAL
-- D38181 PLACE PIT RUN GRAVEL AT LOW-LEVEL Hg SOIL AREAS										
	BBWI-A	U.C. per CRAFTHrs	0.042	Z08	3.435	0	0	0	0	3.435
SUPERVISOR, OPERATIONS - CRAFTS		138.00	6	$81.79	$474	$0	$0	$0	$0	$474
Subtotal					$6,965	$820	$0	$0	$0	$7,806
Sales Tax					$0	$0	$0	$0	$0	$0
INEEL ORG Labor/Subcontractor Overheads					$1,006	$0	$0	$0	$0	$1,006
Subtotal Estimate										**$8,812**
Escalation					$0	$0	$0	$0	$0	$0
Contingency					$0	$0	$0	$0	$0	$0
--Total D38181 PLACE PIT RUN GRAVEL AT LOW-LEVEL Hg SOIL AREAS			**144**		**$7,991**	**$820**	**$0**	**$0**	**$0**	**$8,812**
-- D38182 GRADE SLOPES & PLACE SOIL AT LOW-LEVEL Hg SOIL AREAS										
75712		U.C. per DAY	10	75712	0	89.4	0	0	0	89.4
DOZER - TRACTOR D8N 90,000 LB.		2.00	20		$0	$179	$0	$0	$0	$179
		U.C. per DAY	10	75609	0	84.3	0	0	0	84.3
ROLLER SELF PROPELLED - VIBRATING		2.00	20		$0	$169	$0	$0	$0	$169
	BBWI-A	U.C. per DAY	20	U71	1000.72	0	0	0	0	1000.72
HEAVY EQUIPMENT OPERATORS -2 EACH		2.00	40	$50.04	$2,001	$0	$0	$0	$0	$2,001
71798		U.C. per DAY	10	71798	0	31.4	0	0	0	31.4
TRUCK - HYDROSEEDER (FOR COMPACTION & DUST CONTROL)		2.00	20		$0	$63	$0	$0	$0	$63
U21570	BBWI-A	U.C. per DAY	10	U21	347.305	0	0	0	0	347.305
LABORER		2.00	20	$34.73	$695	$0	$0	$0	$0	$695
	BBWI-A	U.C. per CRAFTHrs	0.15	Z11	9.327	0	0	0	0	9.327
FOREMAN, CRAFTS @ 15%		60.00	9	$62.18	$560	$0	$0	$0	$0	$560
	BBWI-A	U.C. per CRAFTHrs	0.042	Z08	3.435	0	0	0	0	3.435
SUPERVISOR, OPERATIONS - CRAFTS		69.00	3	$81.78	$237	$0	$0	$0	$0	$237
Subtotal					$3,493	$410	$0	$0	$0	$3,903
Sales Tax					$0	$0	$0	$0	$0	$0
INEEL ORG Labor/Subcontractor Overheads					$503	$0	$0	$0	$0	$503
Subtotal Estimate										**$4,406**
Escalation					$0	$0	$0	$0	$0	$0
Contingency					$0	$0	$0	$0	$0	$0
--Total D38182 GRADE SLOPES & PLACE SOIL AT LOW-LEVEL Hg SOIL AREAS			**72**		**$3,996**	**$410**	**$0**	**$0**	**$0**	**$4,406**

Project Name:
CFA-04 MERCURY POND REMEDIAL ACTION (WITH END DUMPS & ROLL-OFFS)
Project Location: *Central Facilities Area*
Estimate Number: *3951-E5*

ER DETAIL ITEM REPORT

Client: *D. J. Wagoner*
Prepared By: *R. D. Roseland*
Estimate Type: *Project Support*

LEVEL	Org/Subcontractor	QTY	Hrs	Crew/Rate	Labor	Const Eqp	Matl	S/C	Other	TOTAL
-- D36280 DECONTAMINATE EQUIPMENT										
Memo:	*Provide assistance to Rad Con personnel.*									
		U.C. per DAY	10	U21	347.305	0	0	0	0	347.305
LABORER		2.00	20	$34.73	$695	$0	$0	$0	$0	$695
Subtotal					$695	$0	$0	$0	$0	$695
Sales Tax					$0	$0	$0	$0	$0	$0
INEEL ORG Labor/Subcontractor Overheads					$0	$0	$0	$0	$0	$0
Subtotal Estimate										**$695**
Escalation					$0	$0	$0	$0	$0	$0
Contingency					$0	$0	$0	$0	$0	$0
--Total D36280 DECONTAMINATE EQUIPMENT			**20**		**$695**	**$0**	**$0**	**$0**	**$0**	**$695**
-- D36290 PROJECT DEMOBILIZATION - EXCAVATION										
		U.C. per DAY	10	71653	0	30	0	0	0	30
Truck - Tractor 20 ton		1.50	15		$0	$45	$0	$0	$0	$45
		U.C. per DAY	10	71883	0	74.5	0	0	0	74.5
Trailer - Semi Lowboy 70 ton		1.50	15		$0	$112	$0	$0	$0	$112
	BBWI-A	U.C. per DAY	30	U71	1501.08	0	0	0	0	1501.08
Heavy Equipment Operators - 3 Each		1.50	45	$50.04	$2,252	$0	$0	$0	$0	$2,252
	BBWI-A	U.C. per DAY	30	U21	1041.91	0	0	0	0	1041.91
Laborers (3 Each) - Assist Trucks, Cleanup, Remove Barricades & Signage, etc.		2.00	60	$34.73	$2,084	$0	$0	$0	$0	$2,084
	BBWI-A	U.C. per CRAFTHrs	0.15	Z11	9.327	0	0	0	0	9.327
FOREMAN, CRAFTS @ 15%		105.00	16	$62.18	$979	$0	$0	$0	$0	$979
	BBWI-A	U.C. per CRAFTHrs	0.042	Z08	3.435	0	0	0	0	3.435
SUPERVISOR, OPERATIONS - CRAFTS		121.00	5	$81.78	$416	$0	$0	$0	$0	$416
Subtotal					$5,730	$157	$0	$0	$0	$5,887
Sales Tax					$0	$0	$0	$0	$0	$0
INEEL ORG Labor/Subcontractor Overheads					$825	$0	$0	$0	$0	$825
Subtotal Estimate										**$6,712**
Escalation					$0	$0	$0	$0	$0	$0
Contingency					$0	$0	$0	$0	$0	$0
--Total D36290 PROJECT DEMOBILIZATION - EXCAVATION			**126**		**$6,556**	**$157**	**$0**	**$0**	**$0**	**$6,712**
-- D38220 FINAL HOUSEKEEPING, ENSURE PROPER SIGNAGE										
	BBWI-A	U.C. per DAY	30	U21	1041.91	0	0	0	0	1041.91
LABORER - 3 EACH		1.00	30	$34.73	$1,042	$0	$0	$0	$0	$1,042
	BBWI-A	U.C. per CRAFTHrs	0.15	Z11	9.327	0	0	0	0	9.327
FOREMAN, CRAFTS @ 15%		30.00	5	$62.18	$280	$0	$0	$0	$0	$280

Project Name:
CFA-04 MERCURY POND REMEDIAL ACTION (WITH END DUMPS & ROLL-OFFS)
Project Location: ***Central Facilities Area***
Estimate Number:*3951-E5*

ER DETAIL ITEM REPORT

Client: ***D. J. Wagoner***
Prepared By: ***R. D. Roseland***
Estimate Type: ***Project Support***

LEVEL	Org/Subcontractor	QTY	Hrs	Crew/Rate	Labor	Const Eqp	Matl	S/C	Other	TOTAL
— D38220 FINAL HOUSEKEEPING, ENSURE PROPER SIGNAGE										
	BBWI-A	U.C. per CRAFTHrs	0.042	Z08	3.435	0	0	0	0	3.435
SUPERVISOR, OPERATIONS - CRAFTS		34.00	1	$81.79	$117	$0	$0	$0	$0	$117
Subtotal					$1,439	$0	$0	$0	$0	$1,439
Sales Tax					$0	$0	$0	$0	$0	$0
INEEL ORG Labor/Subcontractor Overheads					$207	$0	$0	$0	$0	$207
Subtotal Estimate										**$1,646**
Escalation					$76	$0	$0	$0	$0	$76
Contingency					$0	$0	$0	$0	$0	$0
---Total D38220 FINAL HOUSEKEEPING, ENSURE PROPER SIGNAGE			**36**		**$1,721**	**$0**	**$0**	**$0**	**$0**	**$1,721**
— D38230 PROJECT DEMOBILIZATION - BACKFILL/REVEGETATION										
		U.C. per DAY	10	71653	0	30	0	0	0	30
Truck - Tractor 20 ton		1.00	10		$0	$30	$0	$0	$0	$30
		U.C. per DAY	10	71883	0	74.5	0	0	0	74.5
Trailer - Semi Lowboy 70 ton		1.00	10		$0	$75	$0	$0	$0	$75
	BBWI-A	U.C. per DAY	30	U71	1501.08	0	0	0	0	1501.08
Heavy Equipment Operators - 3 Each		1.00	30	$50.04	$1,501	$0	$0	$0	$0	$1,501
	BBWI-A	U.C. per DAY	20	U21	694.61	0	0	0	0	694.61
Laborers (2 Each) - Assist Trucks, Tear Down Barricades, etc.		1.00	20	$34.73	$695	$0	$0	$0	$0	$695
	BBWI-A	U.C. per CRAFTHrs	0.15	Z11	9.327	0	0	0	0	9.327
FOREMAN, CRAFTS @ 15%		50.00	8	$62.18	$466	$0	$0	$0	$0	$466
	BBWI-A	U.C. per CRAFTHrs	0.042	Z08	3.435	0	0	0	0	3.435
SUPERVISOR, OPERATIONS - CRAFTS		57.00	2	$81.78	$196	$0	$0	$0	$0	$196
Subtotal					$2,858	$105	$0	$0	$0	$2,962
Sales Tax					$0	$0	$0	$0	$0	$0
INEEL ORG Labor/Subcontractor Overheads					$412	$0	$0	$0	$0	$412
Subtotal Estimate										**$3,374**
Escalation					$150	$5	$0	$0	$0	$155
Contingency					$0	$0	$0	$0	$0	$0
---Total D38230 PROJECT DEMOBILIZATION - BACKFILL/REVEGETATION			**60**		**$3,420**	**$109**	**$0**	**$0**	**$0**	**$3,529**
— D37110 FIELD SAMPLING & ANALYSIS DURING EXCAVATION										
Memo:	***Sampling & analysis as deemed necessary during excavation in each zone & prior to sampling after basalt cleaning.***									
S06	BBWI-A	U.C. per WEEK	16	S06	1201.414	0	0	0	0	1201.414
HEALTH PHYSICS @ 40%		8.00	128	$75.09	$9,611	$0	$0	$0	$0	$9,611

Project Name:
CFA-04 MERCURY POND REMEDIAL ACTION (WITH END DUMPS & ROLL-OFFS)
Project Location: *Central Facilities Area*
Estimate Number: *3951-E5*

ER DETAIL ITEM REPORT

Client: *D. J. Wagoner*
Prepared By: *R. D. Roseland*
Estimate Type: *Project Support*

LEVEL	Org/Subcontractor	QTY	Hrs	Crew/Rate	Labor	Const Eqp	Matl	S/C	Other	TOTAL
--- D37110 FIELD SAMPLING & ANALYSIS DURING EXCAVATION										
Memo:	*Sampling & analysis as deemed necessary during excavation in each zone & prior to sampling after basalt cleaning.*									
E08	BBWI-A	U.C. per WEEK	8	E08	637.995	0	0	0	0	637.995
ENVIRONMENTAL ENGINEERING @ 20%		8.00	64	$79.75	$5,104	$0	$0	$0	$0	$5,104
Subtotal					$14,715	$0	$0	$0	$0	$14,715
Sales Tax					$0	$0	$0	$0	$0	$0
INEEL ORG Labor/Subcontractor Overheads					$2,119	$0	$0	$0	$0	$2,119
Subtotal Estimate										**$16,834**
Escalation					$0	$0	$0	$0	$0	$0
Contingency					$0	$0	$0	$0	$0	$0
---Total D37110 FIELD SAMPLING & ANALYSIS DURING EXCAVATION			**192**		**$16,834**	**$0**	**$0**	**$0**	**$0**	**$16,834**
— D37111 FIELD/CONFIRMATION SAMPLING NON-RAD Hg SOIL/ACM										
Memo:	*Assume 20 samples.*									
S06	BBWI-A	U.C. per DAY	10	S06	750.88	0	0	0	0	750.88
HEALTH PHYSICS		1.00	10	$75.09	$751	$0	$0	$0	$0	$751
Subtotal					$751	$0	$0	$0	$0	$751
Sales Tax					$0	$0	$0	$0	$0	$0
INEEL ORG Labor/Subcontractor Overheads					$108	$0	$0	$0	$0	$108
Subtotal Estimate										**$859**
Escalation					$0	$0	$0	$0	$0	$0
Contingency					$0	$0	$0	$0	$0	$0
---Total D37111 FIELD/CONFIRMATION SAMPLING NON-RAD Hg SOIL/ACM			**10**		**$859**	**$0**	**$0**	**$0**	**$0**	**$859**
— D37115 FIELD/CONFIRMATION SAMPLING DEEPER Hg SOIL										
Memo:	*Assume 10 samples.*									
S06	BBWI-A	U.C. per DAY	10	S06	750.88	0	0	0	0	750.88
HEALTH PHYSICS		1.00	10	$75.09	$751	$0	$0	$0	$0	$751
Subtotal					$751	$0	$0	$0	$0	$751
Sales Tax					$0	$0	$0	$0	$0	$0
INEEL ORG Labor/Subcontractor Overheads					$108	$0	$0	$0	$0	$108
Subtotal Estimate										**$859**
Escalation					$0	$0	$0	$0	$0	$0
Contingency					$0	$0	$0	$0	$0	$0
---Total D37115 FIELD/CONFIRMATION SAMPLING DEEPER Hg SOIL			**10**		**$859**	**$0**	**$0**	**$0**	**$0**	**$859**
— D37119 FIELD/CONFIRMATION SAMPLING TCLP & Hg SOIL										
Memo:	*Assume 20 samples.*									
S06	BBWI-A	U.C. per DAY	10	S06	750.88	0	0	0	0	750.88
HEALTH PHYSICS		1.00	10	$75.09	$751	$0	$0	$0	$0	$751

Project Name:
CFA-04 MERCURY POND REMEDIAL ACTION (WITH END DUMPS & ROLL-OFFS)
Project Location: *Central Facilities Area*
Estimate Number: *3951-E5*

ER DETAIL ITEM REPORT

Client: *D. J. Wagoner*
Prepared By: *R. D. Roseland*
Estimate Type: *Project Support*

LEVEL	Org/Subcontractor	QTY	Hrs	Crew/Rate	Labor	Const Eqp	Matl	S/C	Other	TOTAL
— D37119 FIELD/CONFIRMATION SAMPLING TCLP & Hg SOIL										
Memo:	*Assume 20 samples.*									
Subtotal					$751	$0	$0	$0	$0	$751
Sales Tax					$0	$0	$0	$0	$0	$0
INEEL ORG Labor/Subcontractor Overheads					$108	$0	$0	$0	$0	$108
Subtotal Estimate										**$859**
Escalation					$0	$0	$0	$0	$0	$0
Contingency					$0	$0	$0	$0	$0	$0
—Total D37119 FIELD/CONFIRMATION SAMPLING TCLP & Hg SOIL			**10**		**$859**	**$0**	**$0**	**$0**	**$0**	**$859**
— D37112 FIELD ANALYSIS NON-RAD Hg SOIL/ACM										
S06	BBWI-A	U.C. per DAY	10	S06	750.88	0	0	0	0	750.88
HEALTH PHYSICS		1.00	10	$75.09	$751	$0	$0	$0	$0	$751
Subtotal					$751	$0	$0	$0	$0	$751
Sales Tax					$0	$0	$0	$0	$0	$0
INEEL ORG Labor/Subcontractor Overheads					$108	$0	$0	$0	$0	$108
Subtotal Estimate										**$859**
Escalation					$0	$0	$0	$0	$0	$0
Contingency					$0	$0	$0	$0	$0	$0
—Total D37112 FIELD ANALYSIS NON-RAD Hg SOIL/ACM			**10**		**$859**	**$0**	**$0**	**$0**	**$0**	**$859**
— D37113 CONFIRMATION ANALYSIS NON-RAD Hg SOIL/ACM										
Memo:	*Use analysis cost of $589/sample (includes SMO costs, including characterization & validation) per a 3/1/02 e-mail from Rich Wells.*									
		U.C. per SAMPLE		M80	0	0	0	589	0	589
TEST & ANALYZE SAMPLES		20.00	0		$0	$0	$0	$11,780	$0	$11,780
Subtotal					$0	$0	$0	$11,780	$0	$11,780
Sales Tax					$0	$0	$0	$0	$0	$0
INEEL ORG Labor/Subcontractor Overheads					$0	$0	$0	$0	$0	$0
Subtotal Estimate										**$11,780**
Escalation					$0	$0	$0	$0	$0	$0
Contingency					$0	$0	$0	$0	$0	$0
—Total D37113 CONFIRMATION ANALYSIS NON-RAD Hg SOIL/ACM			**0**		**$0**	**$0**	**$0**	**$11,780**	**$0**	**$11,780**
— D37116 FIELD ANALYSIS DEEPER Hg SOIL										
S06	BBWI-A	U.C. per DAY	10	S06	750.88	0	0	0	0	750.88
HEALTH PHYSICS		1.00	10	$75.09	$751	$0	$0	$0	$0	$751

Project Name:
CFA-04 MERCURY POND REMEDIAL ACTION (WITH END DUMPS & ROLL-OFFS)
Project Location: *Central Facilities Area*
Estimate Number: *3951-E5*

ER DETAIL ITEM REPORT

Client: *D. J. Wagoner*
Prepared By: *R. D. Roseland*
Estimate Type: *Project Support*

LEVEL	Org/Subcontractor	QTY	Hrs	Crew/Rate	Labor	Const Eqp	Matl	S/C	Other	TOTAL
-- D37116 FIELD ANALYSIS DEEPER Hg SOIL										
Subtotal					$751	$0	$0	$0	$0	$751
Sales Tax					$0	$0	$0	$0	$0	$0
INEEL ORG Labor/Subcontractor Overheads					$108	$0	$0	$0	$0	$108
Subtotal Estimate										**$859**
Escalation					$0	$0	$0	$0	$0	$0
Contingency					$0	$0	$0	$0	$0	$0
--Total D37116 FIELD ANALYSIS DEEPER Hg SOIL			10		**$859**	**$0**	**$0**	**$0**	**$0**	**$859**
-- D37117 CONFIRMATION ANALYSIS DEEPER Hg SOIL										
Memo:	***Use analysis cost of $589/sample (includes SMO costs, including characterization & validation) per a 3/1/02 e-mail from Rich Wells.***									
		U.C. per SAMPLE		M80	0	0	0	589	0	589
TEST & ANALYZE SAMPLES		10.00	0		$0	$0	$0	$5,890	$0	$5,890
Subtotal					$0	$0	$0	$5,890	$0	$5,890
Sales Tax					$0	$0	$0	$0	$0	$0
INEEL ORG Labor/Subcontractor Overheads					$0	$0	$0	$0	$0	$0
Subtotal Estimate										**$5,890**
Escalation					$0	$0	$0	$0	$0	$0
Contingency					$0	$0	$0	$0	$0	$0
--Total D37117 CONFIRMATION ANALYSIS DEEPER Hg SOIL			0		**$0**	**$0**	**$0**	**$5,890**	**$0**	**$5,890**
-- D37120 FIELD ANALYSIS TCLP & LOW-LEVEL Hg SOIL										
S06	BBWI-A	U.C. per DAY	10	S06	750.88	0	0	0	0	750.88
HEALTH PHYSICS		1.00	10	$75.09	$751	$0	$0	$0	$0	$751
Subtotal					$751	$0	$0	$0	$0	$751
Sales Tax					$0	$0	$0	$0	$0	$0
INEEL ORG Labor/Subcontractor Overheads					$108	$0	$0	$0	$0	$108
Subtotal Estimate										**$859**
Escalation					$0	$0	$0	$0	$0	$0
Contingency					$0	$0	$0	$0	$0	$0
--Total D37120 FIELD ANALYSIS TCLP & LOW-LEVEL Hg SOIL			10		**$859**	**$0**	**$0**	**$0**	**$0**	**$859**
-- D37121 CONFIRMATION ANALYSIS TCLP & LOW-LEVEL Hg SOIL										
Memo:	***Use analysis cost of $589/sample (includes SMO costs, including characterization & validation) per a 3/1/02 e-mail from Rich Wells.***									
		U.C. per SAMPLE		M80	0	0	0	589	0	589
TEST & ANALYZE SAMPLES		20.00	0		$0	$0	$0	$11,780	$0	$11,780

Project Name:
CFA-04 MERCURY POND REMEDIAL ACTION (WITH END DUMPS & ROLL-OFFS)
Project Location: *Central Facilities Area*
Estimate Number: *3951-E5*

ER DETAIL ITEM REPORT

Client: *D. J. Wagoner*
Prepared By: *R. D. Roseland*
Estimate Type: *Project Support*

LEVEL	Org/Subcontractor	QTY	Hrs	Crew/Rate	Labor	Const Eqp	Matl	S/C	Other	TOTAL
— D37121 CONFIRMATION ANALYSIS TCLP & LOW-LEVEL Hg SOIL										
Memo:	*Use analysis cost of $589/sample (includes SMO costs, including characterization & validation) per a 3/1/02 e-mail from Rich Wells.*									
Subtotal					$0	$0	$0	$11,780	$0	$11,780
Sales Tax					$0	$0	$0	$0	$0	$0
INEEL ORG Labor/Subcontractor Overheads					$0	$0	$0	$0	$0	$0
Subtotal Estimate										**$11,780**
Escalation					$0	$0	$0	$0	$0	$0
Contingency					$0	$0	$0	$0	$0	$0
--Total D37121 CONFIRMATION ANALYSIS TCLP & LOW-LEVEL Hg SOIL			0		**$0**	**$0**	**$0**	**$11,780**	**$0**	**$11,780**
— D37114 VALIDATION NON-RAD Hg SOIL/ACM										
Memo:	*Use subcontractor validation cost of $50 per analysis per sample per a 3/1/02 e-mail from Rich Wells. Assume total metals analysis only per the requester. Add approx. 1-1/2 hours for SMO chemist per Amy Sumariwalla 8/20/02.*									
	U.C. per SAMPLE			M80	0	0	0	50	0	50
VALIDATE SAMPLES		20.00	0		$0	$0	$0	$1,000	$0	$1,000
BBWI-R	U.C. per LOT		1.5	S15	106.81	0	0	0	0	106.81
ANALYTICAL CHEMISTRY		1.00	2	$71.21	$107	$0	$0	$0	$0	$107
Subtotal					$107	$0	$0	$1,000	$0	$1,107
Sales Tax					$0	$0	$0	$0	$0	$0
INEEL ORG Labor/Subcontractor Overheads					$24	$0	$0	$0	$0	$24
Subtotal Estimate										**$1,131**
Escalation					$0	$0	$0	$0	$0	$0
Contingency					$0	$0	$0	$0	$0	$0
—Total D37114 VALIDATION NON-RAD Hg SOIL/ACM			2		**$131**	**$0**	**$0**	**$1,000**	**$0**	**$1,131**
— D37118 VALIDATION DEEPER Hg SOIL										
Memo:	*Use subcontractor validation cost of $50 per analysis per sample per a 3/1/02 e-mail from Rich Wells. Assume total metals analysis only per the requester. Add approx. 1-1/2 hours for SMO chemist per Amy Sumariwalla 8/20/02.*									
	U.C. per SAMPLE			M80	0	0	0	50	0	50
VALIDATE SAMPLES		10.00	0		$0	$0	$0	$500	$0	$500
BBWI-R	U.C. per LOT		1.5	S15	106.81	0	0	0	0	106.81
ANALYTICAL CHEMISTRY		1.00	2	$71.21	$107	$0	$0	$0	$0	$107
Subtotal					$107	$0	$0	$500	$0	$607
Sales Tax					$0	$0	$0	$0	$0	$0
INEEL ORG Labor/Subcontractor Overheads					$24	$0	$0	$0	$0	$24
Subtotal Estimate										**$631**
Escalation					$0	$0	$0	$0	$0	$0
Contingency					$0	$0	$0	$0	$0	$0
—Total D37118 VALIDATION DEEPER Hg SOIL			2		**$131**	**$0**	**$0**	**$500**	**$0**	**$631**

Project Name:
CFA-04 MERCURY POND REMEDIAL ACTION (WITH END DUMPS & ROLL-OFFS)
Project Location: *Central Facilities Area*
Estimate Number: *3951-E5*

ER DETAIL ITEM REPORT

Client: *D. J. Wagoner*
Prepared By: *R. D. Roseland*
Estimate Type: *Project Support*

LEVEL	Org/Subcontractor	QTY	Hrs	Crew/Rate	Labor	Const Eqp	Matl	S/C	Other	TOTAL
— D37122 VALIDATION TCLP & LOW-LEVEL Hg SOIL										
Memo:	*Use subcontractor validation cost of $50 per analysis per sample per a 3/1/02 e-mail from Rich Wells. Assume total metals analysis only per the requester. Add approx. 1-1/2 hours for SMO chemist per Amy Sumariwalla 8/20/02.*									
		U.C. per SAMPLE		M80	0	0	0	50	0	50
VALIDATE SAMPLES		20.00	0		$0	$0	$0	$1,000	$0	$1,000
	BBWI-R	U.C. per LOT	1.5	S15	106.81	0	0	0	0	106.81
ANALYTICAL CHEMISTRY		1.00	2	$71.21	$107	$0	$0	$0	$0	$107
Subtotal					$107	$0	$0	$1,000	$0	$1,107
Sales Tax					$0	$0	$0	$0	$0	$0
INEEL ORG Labor/Subcontractor Overheads					$24	$0	$0	$0	$0	$24
Subtotal Estimate										$1,131
Escalation					$6	$0	$0	$46	$0	$52
Contingency					$0	$0	$0	$0	$0	$0
--Total D37122 VALIDATION TCLP & LOW-LEVEL Hg SOIL			2		**$137**	**$0**	**$0**	**$1,046**	**$0**	**$1,183**
-- GAPIF BBWI PF AND G&A										
		U.C. per LOT			0	0	0	0	16799	16799
Procurement Fee %		1.00	0		$0	$0	$0	$0	$16,799	$16,799
		U.C. per LOT			0	0	0	0	6384	6384
G&A Fee %		1.00	0		$0	$0	$0	$0	$6,384	$6,384
Subtotal					$0	$0	$0	$0	$23,183	$23,183
Sales Tax					$0	$0	$0	$0	$0	$0
INEEL ORG Labor/Subcontractor Overheads					$0	$0	$0	$0	$0	$0
Subtotal Estimate										**$23,183**
Escalation					$0	$0	$0	$0	$0	$0
Contingency					$0	$0	$0	$0	$0	$0
--Total GAPIF BBWI PF AND G&A			0		**$0**	**$0**	**$0**	**$0**	**$23,183**	**$23,183**
Subtotal TEC (TOTAL ESTIMATED COST)					$726,416	$38,951	$96,298	$73,774	$38,680	$974,119
Sales Tax					$0	$0	$4,744	$0	$0	$4,744
INEEL ORG Labor/Subcontractor Overheads					$106,556	$0	$0	$0	$1,284	$107,840
Subtotal Estimate										$1,086,703
Escalation					$7,213	$412	$81	$78	$84	$7,868
Contingency					$0	$0	$0	$0	$0	$0
Total TEC (TOTAL ESTIMATED COST)			13,019		$840,185	$39,363	$101,123	$73,852	$40,048	$1,094,571

MATERIAL HANDLING and G&A WORKSHEET

Project:	CFA-04 MERCURY-CONTAMINATED POND REMEDIAL ACTION
File Number:	3951-E5
Estimator:	R. D. ROSELAND

INEEL Direct Purchase (not subcontracted)

Materials	$101,042
Equipment	$38,951
Other	$0
INEEL Direct Purchase Subtotal	$139,993
Material Handling Percentage	12%
G&A Percentage	38%

Total Material Handling Fee	**$16,799**
Total G&A Fee	**$6,384**

```
Scheduling Statistics for Project Group PN04:
Interproject relationships requested but not used,
    no relationships for this project in interproject relationship file.
Project floats are based on Project end date(s).
Schedule calculation mode - Progress override
Schedule calculation mode - Contiguous activities
Schedule calculation mode - Make open ends critical
Float calculation mode    - Use finish dates


        Schedule run on Mon Dec 16 08:28:57 2002
                  Run Number  687.

              Project Group Information
      Number of activities..................        77
      Number of activities in longest path..        40
      Started activities....................         0
      Completed activities..................         0
      Number of relationships...............        87
      Percent complete......................       0.0
      Number of hammocks ...................        13
      Number of early constraints...........         5
      Number of late  constraints...........         3

      Data date.............................  24MAR03
      Start date............................  24MAR03
      Imposed finish date...................  27JUL04
      Latest calculated early finish........  27JUL04


      Project Information for MEMS, Project ID = DN
      Number of activities..................         0
```

Constraint listing -- Scheduling Report Page: 2

Activity	Date	Constraint
D35000		Start Milestone
D36000		Start Milestone
D36000	04JUN03	Early Start Constraint
D36120		Hammock Activity
D36130		Hammock Activity
D36141		Hammock Activity
D36150		Hammock Activity
D36160		Hammock Activity
D36170		Hammock Activity
D36220		Hammock Activity
D36241	15JUL03	Early Start Constraint
D36250	15JUL03	Early Start Constraint
D36260	15JUL03	Early Start Constraint
D36290	30SEP03	Late Start Constraint
D36299		Finish Milestone
D36299	30SEP03	Late Finish Constraint
D37110		Hammock Activity
D38000		Start Milestone
D38120		Hammock Activity
D38130		Hammock Activity
D38140		Hammock Activity
D38141		Hammock Activity
D38150		Hammock Activity
D38190	13OCT03	Early Start Constraint
D38190	26NOV03	Late Finish Constraint
D38299		Finish Milestone
D38499		Finish Milestone

```
ACTIVITY   ORIG REM                                  ACTIVITY DESCRIPTION                  SCHEDULED
  ID       DUR  DUR CAL  %                                                              START   FINISH

D35000       0    0 2   0            BEGIN CFA-04 POND PROCUREMENT & WORK CONTROL     24MAR03

D35120       6    6 2   0            OBTAIN DAVIS-BACON RULING                        24MAR03   1APR03
                 E34       PROJECT ENGINEER
                        .83 Dys /DAY        5

D35130       8    8 2   0            LEASE EQUIPMENT & PURCHASE MATERIALS              2APR03  15APR03
                 P21       Subcontract Administrator
                      10.00     /DAY       80

D35140      12   12 2   0            DEVELOP WORK CONTROL (WCP, WOs, SWPs, ETC.)       2APR03  22APR03
                 F10       Work Planning and/or Scheduling
                       5.00     /DAY       60
                 F25       CONSTRUCTION COORDINATOR
                        .83 Dys /DAY       10
                 Z08       SUPERVISOR, OPERATIONS
                        .08 Dys /DAY        1
                 Z11       FOREMAN, CRAFTS
                        .83 Dys /DAY       10
                 S21       REGULATORY COMPLIANCE - ENVIRONMENTAL
                        .83 HOUR/DAY       10
                 E08       ENVIRONMENTAL ENGINEERING
                        .83 Dys /DAY       10
                 E17       QUALITY ENGINEERING
                        .83 Dys /DAY       10
                 E18       RADIOLOGICAL ENGINEERING
                        .83 Dys /DAY       10
                 E19       SAFETY ENGINEERING
                        .83 Dys /DAY       10
                 S08       INDUSTRIAL HYGIENE
                        .83 Dys /DAY       10
                 U60       RADIOLOGICAL CONTROL TECH
                        .83 Dys /DAY       10
                 T16       INDUST SAFETY/HEALTH TECH
                        .83 Dys /DAY       10
                 U71       MATERIAL MOVING EQUIPMENT OPERATOR,HEAVY
                       1.67 Dys /DAY       20
                 U21       LABORER
                        .83 Dys /DAY       10
                 U23       LINEMAN
                        .83 Dys /DAY       10
                 U11       Electrician
                        .83     /DAY       10
                 F07       FAC/PLANT MAINTENANCE
                        .83 HOUR/DAY       10

D35150       1    1 5   0            ISSUE 14 DAY NOTIFICATION OF START OF CONST.     23APR03  23APR03
                 E34       PROJECT ENGINEER
                       3.00 Dys /DAY        3

D36000       0    0 2   0            BEGIN CFA-04 POND DEMO & EXCAVATION WORK          4JUN03*

D36100       2    2 2   0            PROJECT MOBILIZATION - EXCAVATION                 4JUN03   5JUN03
                 71653     Truck - Tractor 20 ton
                      30.00 Dys /DAY       60
                 71883     Trailer - Semi Lowboy 70 ton
                      74.50 Dys /DAY      149
                 U71       MATERIAL MOVING EQUIPMENT OPERATOR,HEAVY
                      30.00 Dys /DAY       60
                 U21       LABORER
                      37.50 Dys /DAY       75
                 Z11       FOREMAN, CRAFTS
                      10.13 Dys /DAY       20
                 Z08       SUPERVISOR, OPERATIONS
                       3.26 Dys /DAY        7
                 NM60      CATALOG PURCHASES
                     157.50 NLBR/DAY      315
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 ACTIVITY   ORIG REM                                ACTIVITY DESCRIPTION                SCHEDULED
   ID       DUR  DUR CAL  %                                                             START   FINISH

D36120      50*  50*2   0            A-E OVERSIGHT DURING EXCAVATION                  16JUN03  11SEP03
                 E04      Civil Engineering
                      1.25     /DAY       63

D36130      60*  60*2   0            D&D CONSTRUCTION COORD. DURING EXCAVATION        4JUN03  18SEP03
                 F25      CONSTRUCTION COORDINATOR
                      2.50 Dys /DAY      150
                 71133    Truck - Pickup 1/2 ton 4x2
                      8.50 Dys /DAY      510

D36141      60*  60*2   0            PHOTOS & VIDEO DURING EXCAVATION                 4JUN03  18SEP03
                 NRPB     PHOTO AND VIDEO
                     79.28 NLBR/DAY     4757

D36150      56*  56*2   0            SAFETY SUPPORT PERSONNEL DURING EXCAVATION       9JUN03  16SEP03
                 E08      ENVIRONMENTAL ENGINEERING
                      2.00 Dys /DAY      112
                 E17      QUALITY ENGINEERING
                      2.00 Dys /DAY      112
                 E18      RADIOLOGICAL ENGINEERING
                      2.00 Dys /DAY      112
                 E19      SAFETY ENGINEERING
                      5.00 Dys /DAY      280
                 S08      INDUSTRIAL HYGIENE
                      5.00 Dys /DAY      280
                 U60      RADIOLOGICAL CONTROL TECH
                     20.00 Dys /DAY     1120
                 Z08      SUPERVISOR, OPERATIONS
                      2.00 Dys /DAY      112
                 T16      INDUST SAFETY/HEALTH TECH
                      5.00 Dys /DAY      280

D36160      60*  60*2   0            FIELD PERSONNEL TRAINING - EXCAVATION            4JUN03  18SEP03
                 U71      MATERIAL MOVING EQUIPMENT OPERATOR,HEAVY
                       .58 Dys /DAY       35
                 U21      LABORER
                       .35 Dys /DAY       21

D36170      60*  60*2   0            FIELD SUPPORT/SUPPLIES/EQUIP DURING EXCAVATION   4JUN03  18SEP03
                 F07      FAC/PLANT MAINTENANCE
                     10.00 HOUR/DAY      600
                 71249    Truck - Pickup 3/4 ton Ext Cab
                     45.60 Dys /DAY     2736
                 NM80     SUBCONTRACTS & SERVICES
                      4.38 NLBR/DAY      263
                 U21      LABORER
                     11.87 Dys /DAY      712
                 Z11      FOREMAN, CRAFTS
                      1.78 Dys /DAY      107
                 U83      Surveyor
                      1.17     /DAY       70
                 Z08      SUPERVISOR, OPERATIONS
                       .57 HOUR/DAY      34
                 71965    Trailer - Office
                     15.70 NLBR/DAY      942

D36180       3    3 2   0            REMOVE EXISTING FENCING                          9JUN03  11JUN03
                 U21      LABORER
                     30.00 Dys /DAY       90
                 71792    Truck - Dump 16 bcuyd
                     20.33 Dys /DAY       61
                 76647    Excavator - JD 690 ELC 40,000 lbs
                     62.00 Dys /DAY      186
                 U71      MATERIAL MOVING EQUIPMENT OPERATOR,HEAVY
                     13.33 Dys /DAY       40
                 Z11      FOREMAN, CRAFTS
                      6.50 Dys /DAY       20
                 Z08      SUPERVISOR, OPERATIONS
                      2.09 Dys /DAY        6
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 ACTIVITY   ORIG REM                                ACTIVITY DESCRIPTION                SCHEDULED
   ID       DUR  DUR CAL  %                                                             START   FINISH

D36190       2    2 2   0            BUILD PLATFORMS FOR TRUCK LINER ACCESS            9JUN03  10JUN03
                U06      CARPENTER
                    40.00 Dys /DAY       80
                Z11      FOREMAN, CRAFTS
                     6.00 Dys /DAY       12
                Z08      SUPERVISOR, OPERATIONS
                     1.93 Dys /DAY        4

D36200       1    1 2   0            REMOVE POWER LINE POLE, PANEL, & CABLE            9JUN03   9JUN03
                U23      LINEMAN
                    18.00 Dys /DAY       18
                P60      OUTSIDE EQUIPMENT RENTAL
                   300.00 Dys /DAY      300
                U11      Electrician
                    12.00     /DAY       12
                76647    Excavator - JD 690 ELC 40,000 lbs
                    12.00 Dys /DAY       12
                U71      MATERIAL MOVING EQUIPMENT OPERATOR,HEAVY
                    12.00 Dys /DAY       12
                Z11      FOREMAN, CRAFTS
                     6.30 Dys /DAY        6
                Z08      SUPERVISOR, OPERATIONS
                     2.02 Dys /DAY        2

D36210       1    1 2   0            CLEAR & GRUB                                      12JUN03  12JUN03
                P60      OUTSIDE EQUIPMENT RENTAL
                  1140.00 Dys /DAY     1140
                71798    Truck - Hydroseeder
                    31.40 Dys /DAY       31
                Z11      FOREMAN, CRAFTS
                     3.00 Dys /DAY        3
                Z08      SUPERVISOR, OPERATIONS
                      .97 Dys /DAY        1
                U71      MATERIAL MOVING EQUIPMENT OPERATOR,HEAVY
                    10.00 Dys /DAY       10
                U21      LABORER
                    10.00 Dys /DAY       10

D36220      32*  32*2   0            TRANSPORTATION & WGS SUPPORT DURING EXCAVATION    16JUN03  11AUG03
                F14      Transportation Services
                    10.00     /DAY      320
                X16      Mixed/Hazardous Waste Management
                    10.00     /DAY      320

D36230      14   14 2   0            EXC & HAUL NON-RAD Hg SOIL/ACM TO CFA             16JUN03   9JUL03
                76647    Excavator - JD 690 ELC 40,000 lbs
                    62.10 Dys /DAY      869
                75621    Loader - Front End 921 w/ 5 bcuyd bucket
                    44.80 Dys /DAY      627
                71653    Truck - Tractor 20 ton
                    30.00 Dys /DAY      420
                71654    Truck - Tractor 20 ton
                    26.80 Dys /DAY      375
                71798    Truck - Hydroseeder
                    31.40 Dys /DAY      440
                U71      MATERIAL MOVING EQUIPMENT OPERATOR,HEAVY
                    40.00 Dys /DAY      560
                U21      LABORER
                    10.00 Dys /DAY      140
                NM60     CATALOG PURCHASES
                   210.00 NLBR/DAY     2940
                Z11      FOREMAN, CRAFTS
                     7.50 Dys /DAY      105
                Z08      SUPERVISOR, OPERATIONS
                     2.41 Dys /DAY       34
                71823    Trailer - End Dump assumes 16 bcuyd
                    22.10 NLBR/DAY      309
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 ACTIVITY   ORIG REM                                ACTIVITY DESCRIPTION                SCHEDULED
   ID       DUR  DUR CAL %                                                             START   FINISH
                        71824    Trailer - End Dump assumes 16 bcuyd
                            25.10 NLBR/DAY      351

D36240        2    2 2   0            EXCAVATE FOR BOTTLES CONTAINING CALCINE         10JUL03  14JUL03
                        75676    Excavator - Case JI688 30,000 lbs
                           226.20 NLBR/DAY      452
                        U71      MATERIAL MOVING EQUIPMENT OPERATOR,HEAVY
                            10.00 Dys /DAY       20
                        U21      LABORER
                            30.00 Dys /DAY       60
                        NM60     CATALOG PURCHASES
                           105.00 NLBR/DAY      210
                        Z11      FOREMAN, CRAFTS
                             6.00 Dys /DAY       12
                        Z08      SUPERVISOR, OPERATIONS
                             1.93 Dys /DAY        4

D36241        5    5 2   0            EXC & HAUL DEEPER Hg SOIL TO ICDF               15JUL03* 22JUL03
                        75712    Dozer - Tractor D8N 90,000 lbs
                            89.40 Dys /DAY      447
                        75621    Loader - Front End 921 w/ 5 bcuyd bucket
                            44.80 Dys /DAY      224
                        U71      MATERIAL MOVING EQUIPMENT OPERATOR,HEAVY
                            40.00 Dys /DAY      200
                        71798    Truck - Hydroseeder
                            31.40 Dys /DAY      157
                        U21      LABORER
                            30.00 Dys /DAY      150
                        NM60     CATALOG PURCHASES
                           945.00 NLBR/DAY     4725
                        Z11      FOREMAN, CRAFTS
                            10.50 Dys /DAY       53
                        Z08      SUPERVISOR, OPERATIONS
                             3.38 Dys /DAY       17
                        71653    Truck - Tractor 20 ton
                            30.00 Dys /DAY      150
                        71654    Truck - Tractor 20 ton
                            26.80 Dys /DAY      134
                        P60      OUTSIDE EQUIPMENT RENTAL
                           300.00 Dys /DAY     1500
                        NM80     SUBCONTRACTS & SERVICES
                          6480.00 NLBR/DAY    32400

D36250        3    3 2   0            EXC & HAUL TCLP SOIL TO ICDF                    23JUL03* 28JUL03
                        76647    Excavator - JD 690 ELC 40,000 lbs
                            62.10 Dys /DAY      186
                        75621    Loader - Front End 921 w/ 5 bcuyd bucket
                            44.80 Dys /DAY      134
                        71653    Truck - Tractor 20 ton
                            30.00 Dys /DAY       90
                        71654    Truck - Tractor 20 ton
                            26.80 Dys /DAY       80
                        71798    Truck - Hydroseeder
                            31.40 Dys /DAY       94
                        U71      MATERIAL MOVING EQUIPMENT OPERATOR,HEAVY
                            40.00 Dys /DAY      120
                        U21      LABORER
                            30.00 Dys /DAY       90
                        NM60     CATALOG PURCHASES
                           840.00 NLBR/DAY     2520
                        Z11      FOREMAN, CRAFTS
                            10.50 Dys /DAY       32
                        Z08      SUPERVISOR, OPERATIONS
                             3.37 Dys /DAY       10
                        NM80     SUBCONTRACTS & SERVICES
                           666.67 NLBR/DAY     2000
                        P60      OUTSIDE EQUIPMENT RENTAL
                           300.00 Dys /DAY      900
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ACTIVITY   ORIG REM                                  ACTIVITY DESCRIPTION                SCHEDULED
  ID       DUR  DUR CAL  %                                                             START   FINISH

D36260       8    8 2   0            EXC & HAUL LOW-LEVEL Hg SOIL TO ICDF            29JUL03* 11AUG03
                75712    Dozer - Tractor D8N 90,000 lbs
                    89.40 Dys /DAY      715
                75621    Loader - Front End 921 w/ 5 bcuyd bucket
                    44.80 Dys /DAY      358
                71653    Truck - Tractor 20 ton
                    30.00 Dys /DAY      240
                71654    Truck - Tractor 20 ton
                    26.80 Dys /DAY      214
                71798    Truck - Hydroseeder
                    31.40 Dys /DAY      251
                U71      MATERIAL MOVING EQUIPMENT OPERATOR,HEAVY
                    40.00 Dys /DAY      320
                U21      LABORER
                    30.00 Dys /DAY      240
                NM60     CATALOG PURCHASES
                   997.50 NLBR/DAY     7980
                Z11      FOREMAN, CRAFTS
                    10.50 Dys /DAY       84
                Z08      SUPERVISOR, OPERATIONS
                     3.38 Dys /DAY       27
                P60      OUTSIDE EQUIPMENT RENTAL
                   300.00 Dys /DAY     2400
                NM80     SUBCONTRACTS & SERVICES
                   700.00 NLBR/DAY     5600

D36271       6    6 2   0            CLEAN BASALT SURFACE AT DEEPER Hg SOIL AREAS    23JUL03  31JUL03
                75676    Excavator - Case JI688 30,000 lbs
                   226.20 NLBR/DAY     1357
                71653    Truck - Tractor 20 ton
                    30.00 Dys /DAY      180
                P60      OUTSIDE EQUIPMENT RENTAL
                   150.00 Dys /DAY      900
                71988    Generator - Towable > 40 KW
                    25.50 Dys /DAY      153
                U71      MATERIAL MOVING EQUIPMENT OPERATOR,HEAVY
                    20.00 Dys /DAY      120
                U21      LABORER
                    30.00 Dys /DAY      180
                NM80     SUBCONTRACTS & SERVICES
                    36.67 NLBR/DAY      220
                NM60     CATALOG PURCHASES
                 12677.00 NLBR/DAY    76062
                Z11      FOREMAN, CRAFTS
                    10.50 Dys /DAY       63
                Z08      SUPERVISOR, OPERATIONS
                     3.38 Dys /DAY       20

D36272      18   18 2   0            CLEAN BASALT SURFACE AT LOW-LEVEL Hg SOIL AREAS 12AUG03  11SEP03
                75676    Excavator - Case JI688 30,000 lbs
                   226.20 NLBR/DAY     4072
                U71      MATERIAL MOVING EQUIPMENT OPERATOR,HEAVY
                    20.00 Dys /DAY      360
                U21      LABORER
                    30.00 Dys /DAY      540
                NM60     CATALOG PURCHASES
                   252.00 NLBR/DAY     4536
                71988    Generator - Towable > 40 KW
                    25.50 Dys /DAY      459
                Z11      FOREMAN, CRAFTS
                    10.50 Dys /DAY      189
                Z08      SUPERVISOR, OPERATIONS
                     3.38 Dys /DAY       61
                71653    Truck - Tractor 20 ton
                    30.00 Dys /DAY      540
                P60      OUTSIDE EQUIPMENT RENTAL
                   150.00 Dys /DAY     2700
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ACTIVITY ID	ORIG DUR	REM DUR	CAL	%	ACTIVITY DESCRIPTION	SCHEDULED START	SCHEDULED FINISH
					NM80 SUBCONTRACTS & SERVICES 35.56 NLBR/DAY 640		
D36280	2	2	2	0	DECONTAMINATE EQUIPMENT	15SEP03	16SEP03
					U21 LABORER 10.00 Dys /DAY 20		
D36290	2	2	2	0	PROJECT DEMOBILIZATION - EXCAVATION	17SEP03	18SEP03
					71653 Truck - Tractor 20 ton 22.50 Dys /DAY 45 71883 Trailer - Semi Lowboy 70 ton 56.00 Dys /DAY 112 U71 MATERIAL MOVING EQUIPMENT OPERATOR,HEAVY 22.50 Dys /DAY 45 U21 LABORER 30.00 Dys /DAY 60 Z11 FOREMAN, CRAFTS 7.88 Dys /DAY 16 Z08 SUPERVISOR, OPERATIONS 2.54 Dys /DAY 5		
D36299	0	0	2	0	DEMO, EXCAVATION, & BASALT CLEANING COMPLETE		11SEP03
D37110	32*	32*	2	0	FIELD SAMPLING & ANALYSIS DURING EXCAVATION	16JUN03	11AUG03
					S06 HEALTH PHYSICS 4.00 Dys /DAY 128 E08 ENVIRONMENTAL ENGINEERING 2.00 Dys /DAY 64		
D37111	1	1	2	0	FIELD/CONFIRMATION SAMPLING NON-RAD Hg SOIL/ACM	10JUL03	10JUL03
					S06 HEALTH PHYSICS 10.00 Dys /DAY 10		
D37112	1	1	2	0	FIELD ANALYSIS NON-RAD Hg SOIL/ACM	14JUL03	14JUL03
					S06 HEALTH PHYSICS 10.00 Dys /DAY 10		
D37113	21	21	1	0	CONFIRMATION ANALYSIS NON-RAD Hg SOIL/ACM	15JUL03	12AUG03
					NM80 SUBCONTRACTS & SERVICES 560.95 NLBR/DAY 11780		
D37114	10	10	1	0	VALIDATION NON-RAD Hg SOIL/ACM	13AUG03	26AUG03
					NM80 SUBCONTRACTS & SERVICES 100.00 NLBR/DAY 1000 S15 ANALYTICAL CHEMISTRY .15 HOUR/DAY 2		
D37115	1	1	2	0	FIELD/CONFIRMATION SAMPLING DEEPER Hg SOIL	4AUG03	4AUG03
					S06 HEALTH PHYSICS 10.00 Dys /DAY 10		
D37116	1	1	2	0	FIELD ANALYSIS DEEPER Hg SOIL	5AUG03	5AUG03
					S06 HEALTH PHYSICS 10.00 Dys /DAY 10		
D37117	21	21	1	0	CONFIRMATION ANALYSIS DEEPER Hg SOIL	6AUG03	4SEP03
					NM80 SUBCONTRACTS & SERVICES 280.48 NLBR/DAY 5890		
D37118	10	10	1	0	VALIDATION DEEPER Hg SOIL	5SEP03	18SEP03
					NM80 SUBCONTRACTS & SERVICES 50.00 NLBR/DAY 500 S15 ANALYTICAL CHEMISTRY .15 HOUR/DAY 2		
D37119	1	1	2	0	FIELD/CONFIRM SAMPLING TCLP & LOW-LEVEL Hg SOIL	15SEP03	15SEP03
					S06 HEALTH PHYSICS 10.00 Dys /DAY 10		

ACTIVITY ID	ORIG DUR	REM DUR	CAL	%	ACTIVITY DESCRIPTION	SCHEDULED START	SCHEDULED FINISH
D37120	1	1	2	0	FIELD ANALYSIS TCLP & LOW-LEVEL Hg SOIL	16SEP03	16SEP03
					S06 HEALTH PHYSICS		
					10.00 Dys /DAY 10		
D37121	21	21	1	0	CONFIRMATION ANALYSIS TCLP & LOW-LEVEL Hg SOIL	17SEP03	15OCT03
					NM80 SUBCONTRACTS & SERVICES		
					550.95 NLBR/DAY 11780		
D37122	10	10	1	0	VALIDATION TCLP & LOW-LEVEL Hg SOIL	16OCT03	29OCT03
					NM80 SUBCONTRACTS & SERVICES		
					100.00 NLBR/DAY 1000		
					S15 ANALYTICAL CHEMISTRY		
					.15 HOUR/DAY 2		
D38000	0	0	2	0	BEGIN CFA-04 POND BACKFILL/REVEGETATION WORK	23OCT03	
D38100	1	1	2	0	FIELD PERSONNEL TRAINING - BKFL/REVEGETATION	23OCT03	23OCT03
					U71 MATERIAL MOVING EQUIPMENT OPERATOR,HEAVY		
					16.00 Dys /DAY 16		
					U21 LABORER		
					8.00 Dys /DAY 8		
D38110	1	1	2	0	PROJECT MOBILIZATION - BACKFILL/REVEGETATION	27OCT03	27OCT03
					71653 Truck - Tractor 20 ton		
					30.00 Dys /DAY 30		
					71883 Trailer - Semi Lowboy 70 ton		
					75.00 Dys /DAY 75		
					U71 MATERIAL MOVING EQUIPMENT OPERATOR,HEAVY		
					30.00 Dys /DAY 30		
					U21 LABORER		
					20.00 Dys /DAY 20		
					Z11 FOREMAN, CRAFTS		
					7.50 Dys /DAY 8		
					Z08 SUPERVISOR, OPERATIONS		
					2.39 Dys /DAY 2		
					NM60 CATALOG PURCHASES		
					105.00 NLBR/DAY 105		
D38120	20*	20*	2	0	A-E OVERSIGHT DURING BACKFILL/REVEGETATION	28OCT03	2DEC03
					E04 Civil Engineering		
					1.25 /DAY 25		
D38130	23*	23*	2	0	D&D CONSTRUCTION COORD. DURING BKFL/REVEGETATION	27OCT03	4DEC03
					F25 CONSTRUCTION COORDINATOR		
					2.50 Dys /DAY 58		
					71133 Truck - Pickup 1/2 ton 4x2		
					8.50 Dys /DAY 196		
D38140	21*	21*	2	0	SAFETY PERSONNEL DURING BKFL/REVEGETATION	28OCT03	3DEC03
					E08 ENVIRONMENTAL ENGINEERING		
					2.00 Dys /DAY 42		
					E17 QUALITY ENGINEERING		
					2.00 Dys /DAY 42		
					E18 RADIOLOGICAL ENGINEERING		
					2.00 Dys /DAY 42		
					E19 SAFETY ENGINEERING		
					5.00 Dys /DAY 105		
					S08 INDUSTRIAL HYGIENE		
					5.00 Dys /DAY 105		
					U60 RADIOLOGICAL CONTROL TECH		
					5.00 Dys /DAY 105		
					Z08 SUPERVISOR, OPERATIONS		
					.50 Dys /DAY 11		
					T16 INDUST SAFETY/HEALTH TECH		
					5.00 Dys /DAY 105		

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ACTIVITY   ORIG REM                                  ACTIVITY DESCRIPTION                  SCHEDULED
  ID       DUR  DUR CAL  %                                                              START   FINISH
D38141      23*  23*2   0            PHOTOS & VIDEO DURING BACKFILL/REVEGETATION       27OCT03   4DEC03
                NRPB     PHOTO AND VIDEO
                    79.30 NLBR/DAY     1824

D38150      23*  23*2   0            FIELD SUPPORT/SUPPLIES DURING BKFL/REVEGETATION   27OCT03   4DEC03
                F07      FAC/PLANT MAINTENANCE
                    10.00 HOUR/DAY      230
                71249    Truck - Pickup 3/4 ton Ext Cab
                    45.60 Dys /DAY     1049
                NM80     SUBCONTRACTS & SERVICES
                     4.40 NLBR/DAY      101
                U21      LABORER
                    11.88 Dys /DAY      273
                Z11      FOREMAN, CRAFTS
                     1.78 Dys /DAY       41
                Z08      SUPERVISOR, OPERATIONS
                      .57 HOUR/DAY       13
                71965    Trailer - Office
                    15.70 NLBR/DAY      361

D38163       6    6 2   0            IMPORT PIT RUN GRAVEL FOR LOW-LEVEL Hg SOIL AREA 28OCT03   5NOV03
                75621    Loader - Front End 921 w/ 5 bcuyd bucket
                    44.80 Dys /DAY      269
                71653    Truck - Tractor 20 ton
                    30.00 Dys /DAY      180
                71654    Truck - Tractor 20 ton
                    26.80 Dys /DAY      161
                71823    Trailer - End Dump assumes 16 bcuyd
                    22.10 NLBR/DAY      133
                71824    Trailer - End Dump assumes 16 bcuyd
                    25.10 NLBR/DAY      151
                U71      MATERIAL MOVING EQUIPMENT OPERATOR,HEAVY
                    30.00 Dys /DAY      180
                U21      LABORER
                    10.00 Dys /DAY       60
                Z11      FOREMAN, CRAFTS
                     6.00 Dys /DAY       36
                Z08      SUPERVISOR, OPERATIONS
                     1.93 Dys /DAY       12

D38171       6    6 2   0            PLACE PIT RUN GRAVEL AT NON-RAD Hg SOIL AREAS     28OCT03   5NOV03
                75712    Dozer - Tractor D8N 90,000 lbs
                    89.40 Dys /DAY      536
                71798    Truck - Hydroseeder
                    31.40 Dys /DAY      188
                75609    Roller Self Propelled - Vibrating
                    84.30 NLBR/DAY      506
                U71      MATERIAL MOVING EQUIPMENT OPERATOR,HEAVY
                    20.00 Dys /DAY      120
                U21      LABORER
                    10.00 Dys /DAY       60
                Z11      FOREMAN, CRAFTS
                     4.50 Dys /DAY       27
                Z08      SUPERVISOR, OPERATIONS
                     1.45 Dys /DAY        9

D38172       2    2 2   0            GRADE SLOPES/PLACE SOIL AT NON-RAD Hg SOIL AREAS  6NOV03  10NOV03
                75712    Dozer - Tractor D8N 90,000 lbs
                    89.40 Dys /DAY      179
                U71      MATERIAL MOVING EQUIPMENT OPERATOR,HEAVY
                    20.00 Dys /DAY       40
                71798    Truck - Hydroseeder
                    31.40 Dys /DAY       63
                U21      LABORER
                    10.00 Dys /DAY       20
                Z11      FOREMAN, CRAFTS
                     4.50 Dys /DAY        9
                Z08      SUPERVISOR, OPERATIONS
                     1.45 Dys /DAY        3
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ACTIVITY   ORIG REM                                  ACTIVITY DESCRIPTION                  SCHEDULED
  ID       DUR  DUR CAL  %                                                              START   FINISH
                    75609    Roller Self Propelled - Vibrating
                        84.30 NLBR/DAY      169

D38181       4    4 2   0            PLACE PIT RUN GRAVEL AT LOW-LEVEL Hg SOIL AREAS  11NOV03  17NOV03
                    75712    Dozer - Tractor D8N 90,000 lbs
                        89.40 Dys /DAY      358
                    75609    Roller Self Propelled - Vibrating
                        84.30 NLBR/DAY      337
                    U71      MATERIAL MOVING EQUIPMENT OPERATOR,HEAVY
                        20.00 Dys /DAY       80
                    71798    Truck - Hydroseeder
                        31.40 Dys /DAY      126
                    U21      LABORER
                        10.00 Dys /DAY       40
                    Z11      FOREMAN, CRAFTS
                         4.50 Dys /DAY       18
                    Z08      SUPERVISOR, OPERATIONS
                         1.45 Dys /DAY        6

D38182       2    2 2   0            GRADE SLOPES/PLACE SOIL LOW-LEVEL Hg SOIL AREAS  18NOV03  19NOV03
                    75712    Dozer - Tractor D8N 90,000 lbs
                        89.40 Dys /DAY      179
                    75609    Roller Self Propelled - Vibrating
                        84.30 NLBR/DAY      169
                    U71      MATERIAL MOVING EQUIPMENT OPERATOR,HEAVY
                        20.00 Dys /DAY       40
                    71798    Truck - Hydroseeder
                        31.40 Dys /DAY       63
                    U21      LABORER
                        10.00 Dys /DAY       20
                    Z11      FOREMAN, CRAFTS
                         4.50 Dys /DAY        9
                    Z08      SUPERVISOR, OPERATIONS
                         1.45 Dys /DAY        3

D38190       2    2 2   0            PREPARE & SEED POND & DISTURBED AREAS            20NOV03* 24NOV03
                    NM80     SUBCONTRACTS & SERVICES
                       300.00 NLBR/DAY      600
                    U71      MATERIAL MOVING EQUIPMENT OPERATOR,HEAVY
                        10.00 Dys /DAY       20
                    P60      OUTSIDE EQUIPMENT RENTAL
                      1150.00 Dys /DAY     2300
                    71798    Truck - Hydroseeder
                        31.50 Dys /DAY       63
                    NM60     CATALOG PURCHASES
                       824.63 NLBR/DAY     1649
                    U21      LABORER
                        20.00 Dys /DAY       40
                    Z11      FOREMAN, CRAFTS
                         4.50 Dys /DAY        9
                    Z08      SUPERVISOR, OPERATIONS
                         1.45 Dys /DAY        3

D38200       4    4 2   0            PLACE GFE WOOD CHIPS AT REVEGETATED AREA         25NOV03   2DEC03
                    U71      MATERIAL MOVING EQUIPMENT OPERATOR,HEAVY
                        22.50 Dys /DAY       90
                    75621    Loader - Front End 921 w/ 5 bcuyd bucket
                        44.75 Dys /DAY      179
                    71792    Truck - Dump 16 bcuyd
                        15.25 Dys /DAY       61
                    71799    Truck - Dump 16 bcuyd
                        14.75 Dys /DAY       59
                    P60      OUTSIDE EQUIPMENT RENTAL
                       375.00 Dys /DAY     1500
                    71798    Truck - Hydroseeder
                        31.50 Dys /DAY      126
                    U21      LABORER
                        12.50 Dys /DAY       50
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 ACTIVITY   ORIG REM                          ACTIVITY DESCRIPTION                SCHEDULED
   ID       DUR  DUR CAL  %                                                      START   FINISH

                     Z11      FOREMAN, CRAFTS
                          5.25 Dys /DAY       21
                     Z08      SUPERVISOR, OPERATIONS
                          1.69 Dys /DAY        7

D38220        1    1 2   0          FINAL HOUSEKEEPING, ENSURE PROPER SIGNAGE      3DEC03   3DEC03
                     U21      LABORER
                         30.00 Dys /DAY       30
                     Z11      FOREMAN, CRAFTS
                          4.50 Dys /DAY        5
                     Z08      SUPERVISOR, OPERATIONS
                          1.43 Dys /DAY        1

D38230        1    1 2   0          PROJECT DEMOBILIZATION - BACKFILL/REVEGETATION 4DEC03   4DEC03
                     71653    Truck - Tractor 20 ton
                         30.00 Dys /DAY       30
                     71883    Trailer - Semi Lowboy 70 ton
                         75.00 Dys /DAY       75
                     U71      MATERIAL MOVING EQUIPMENT OPERATOR,HEAVY
                         30.00 Dys /DAY       30
                     U21      LABORER
                         20.00 Dys /DAY       20
                     Z11      FOREMAN, CRAFTS
                          7.50 Dys /DAY        8
                     Z08      SUPERVISOR, OPERATIONS
                          2.39 Dys /DAY        2

D38299        0    0 2   0          CFA-04 POND BACKFILL/REVEGETATION WORK COMPLETE        3DEC03

D38300        4    4 1   0          PREPARE DRAFT CHECKLIST                       12SEP03  17SEP03
                     E08      ENVIRONMENTAL ENGINEERING
                          7.50 Dys /DAY       30

D38310       30   30 5   0          REVIEW OF DRAFT CHECKLIST BY AGENCIES         18SEP03  17OCT03

D38320        1    1 2   0          PERFORM PRE-FINAL INSPECTION WITH AGENCIES    20OCT03  20OCT03
                     F25      CONSTRUCTION COORDINATOR
                         10.00 Dys /DAY       10
                     S06      HEALTH PHYSICS
                         10.00 Dys /DAY       10
                     S21      REGULATORY COMPLIANCE - ENVIRONMENTAL
                         10.00 HOUR/DAY       10
                     71133    Truck - Pickup 1/2 ton 4x2
                         34.00 Dys /DAY       34
                     E28      PROJ MGMNT - ENGINEERING/SCIENTIFIC
                         10.00 Dys /DAY       10
                     E34      PROJECT ENGINEER
                         10.00 Dys /DAY       10
                     E08      ENVIRONMENTAL ENGINEERING
                         10.00 Dys /DAY       10
                     F07      FAC/PLANT MAINTENANCE
                         10.00 HOUR/DAY       10
                     71249    Truck - Pickup 3/4 ton Ext Cab
                         45.60 Dys /DAY       46

D38330        2    2 2   0          CORRECT ANY DEFICIENCIES NOTED IN PRE-FINAL INSP 21OCT03  22OCT03
                     F25      CONSTRUCTION COORDINATOR
                          5.00 Dys /DAY       10
                     71133    Truck - Pickup 1/2 ton 4x2
                         17.00 Dys /DAY       34
                     F07      FAC/PLANT MAINTENANCE
                         10.00 HOUR/DAY       20
                     71249    Truck - Pickup 3/4 ton Ext Cab
                         45.50 Dys /DAY       91
                     U21      LABORER
                         20.00 Dys /DAY       40
                     Z11      FOREMAN, CRAFTS
                          4.50 Dys /DAY        9
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 ACTIVITY   ORIG REM                                ACTIVITY DESCRIPTION                SCHEDULED
   ID       DUR  DUR CAL  %                                                             START   FINISH

                     Z08      SUPERVISOR, OPERATIONS
                          1.45 Dys /DAY        3

D38340        1    1 2   0            PERFORM FINAL INSPECTION                        4DEC03   4DEC03
                     F25      CONSTRUCTION COORDINATOR
                         10.00 Dys /DAY       10
                     S06      HEALTH PHYSICS
                         10.00 Dys /DAY       10
                     71133    Truck - Pickup 1/2 ton 4x2
                         34.00 Dys /DAY       34
                     E28      PROJ MGMNT - ENGINEERING/SCIENTIFIC
                         10.00 Dys /DAY       10
                     E34      PROJECT ENGINEER
                         10.00 Dys /DAY       10
                     E08      ENVIRONMENTAL ENGINEERING
                         10.00 Dys /DAY       10
                     F07      FAC/PLANT MAINTENANCE
                         10.00 HOUR/DAY       10
                     71249    Truck - Pickup 3/4 ton Ext Cab
                         45.60 Dys /DAY       46

D38350        1    1 2   0            TURN-BACK TO LANDLORD                           8DEC03   8DEC03
                     F25      CONSTRUCTION COORDINATOR
                         10.00 Dys /DAY       10
                     71133    Truck - Pickup 1/2 ton 4x2
                         34.00 Dys /DAY       34

D38360       30   30 1   0            WRITE DRAFT REMEDIAL ACTION REPORT              9DEC03  27JAN04
                     NRPG     WRITER/EDITOR
                         34.47 NLBR/DAY     1034
                     NRPF     ELECTRONIC PUBLICATIONS
                         23.10 NLBR/DAY      693
                     NRPA     PRINTING
                         16.73 NLBR/DAY      502
                     E08      ENVIRONMENTAL ENGINEERING
                          4.00 Dys /DAY      120

D38370        1    1 1   0            SUBMIT PRELIM DRAFT RA REPORT TO ORB/DOE-ID    28JAN04  28JAN04
                     E08      ENVIRONMENTAL ENGINEERING
                          8.00 Dys /DAY        8

D38380       10   10 1   0            REVIEW OF PRELIM DRAFT RA REPORT BY ORB/DOE-ID 29JAN04  11FEB04
                     E08      ENVIRONMENTAL ENGINEERING
                          4.00 Dys /DAY       40
                     S21      REGULATORY COMPLIANCE - ENVIRONMENTAL
                         3.00 HOUR/DAY        30
                     S06      HEALTH PHYSICS
                         3.00 Dys /DAY        30
                     E19      SAFETY ENGINEERING
                         3.00 Dys /DAY        30
                     E17      QUALITY ENGINEERING
                         3.00 Dys /DAY        30
                     E34      PROJECT ENGINEER
                         4.00 Dys /DAY        40

D38390       10   10 1   0            RESOLVE/INCORP DRAFT RA REPORT COMMENTS        12FEB04  25FEB04
                     E08      ENVIRONMENTAL ENGINEERING
                         8.00 Dys /DAY        80
                     NRPG     WRITER/EDITOR
                        103.40 NLBR/DAY     1034
                     NRPF     ELECTRONIC PUBLICATIONS
                         69.30 NLBR/DAY      693
                     NRPA     PRINTING
                         50.20 NLBR/DAY      502

D38400        1    1 1   0            SUBMIT REMEDIAL ACTION REPORT TO AGENCIES      26FEB04  26FEB04
                     E08      ENVIRONMENTAL ENGINEERING
                          8.00 Dys /DAY        8
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ACTIVITY ID	ORIG DUR	REM DUR	CAL	%	ACTIVITY DESCRIPTION	SCHEDULED START	SCHEDULED FINISH
D38410	45	45	5	0	REVIEW OF REMEDIAL ACTION REPORT BY AGENCIES	27FEB04	11APR04
D38420	45	45	5	0	RESOLVE/INCORP AGENCY COMMENTS ON RA REPORT	12APR04	26MAY04
					E08 ENVIRONMENTAL ENGINEERING .89 Dys /DAY 40		
					NRPG WRITER/EDITOR 22.98 NLBR/DAY 1034		
					NRPF ELECTRONIC PUBLICATIONS 15.40 NLBR/DAY 693		
					NRPA PRINTING 11.16 NLBR/DAY 502		
D38430	1	1	1	0	SUBMIT REVISED RA REPORT TO AGENCIES	27MAY04	27MAY04
					E08 ENVIRONMENTAL ENGINEERING 8.00 Dys /DAY 8		
D38440	30	30	5	0	REVIEW OF REVISED RA REPORT BY AGENCIES	28MAY04	26JUN04
D38450	30	30	5	0	RESOLVE/INCORP AGENCY COMMENTS ON REVISED RA REP	27JUN04	26JUL04
					E08 ENVIRONMENTAL ENGINEERING 1.33 Dys /DAY 40		
					NRPG WRITER/EDITOR 34.47 NLBR/DAY 1034		
					NRPF ELECTRONIC PUBLICATIONS 23.10 NLBR/DAY 693		
					NRPA PRINTING 16.73 NLBR/DAY 502		
D38460	1	1	1	0	ISSUE FINAL REMEDIAL ACTION REPORT TO AGENCIES	27JUL04	27JUL04
					E08 ENVIRONMENTAL ENGINEERING 8.00 Dys /DAY 8		
D38499	0	0	1	0	PROJECT COMPLETE		27JUL04

RESOURCE	RESOURCE DESCRIPTION	FY 2003	FY 2004	TOTAL
D35120 - OBTAIN DAVIS-BACON RULING				
E34	PROJECT ENGINEER	5		5
SUBTOTAL	**D35120**	**5**		**5**
D35130 - LEASE EQUIPMENT & PURCHASE MATERIALS				
P21	Subcontract Administrator	80		80
SUBTOTAL	**D35130**	**80**		**80**
D35140 - DEVELOP WORK CONTROL (WCF, WOs, SWPs, ETC.)				
E08	ENVIRONMENTAL ENGINEERING	10		10
E17	QUALITY ENGINEERING	10		10
E18	RADIOLOGICAL ENGINEERING	10		10
E19	SAFETY ENGINEERING	10		10
F07	FAC/PLANT MAINTENANCE	10		10
F10	Work Planning and/or Scheduling	60		60
F25	CONSTRUCTION COORDINATOR	10		10
S08	INDUSTRIAL HYGIENE	10		10
S21	REGULATORY COMPLIANCE - ENVIRONMENTAL	10		10
T16	INDUST SAFETY/HEALTH TECH	10		10
U11	Electrician	10		10
U21	LABORER	10		10
U23	LINEMAN	10		10
U60	RADIOLOGICAL CONTROL TECH	10		10
U71	MATERIAL MOVING EQUIPMENT OPERATOR,HEAVY	20		20
Z08	SUPERVISOR, OPERATIONS	1		1
Z11	FOREMAN, CRAFTS	10		10
SUBTOTAL	**D35140**	**221**		**221**
D35150 - ISSUE 14 DAY NOTIFICATION OF START OF CONST.				
E34	PROJECT ENGINEER	3		3
SUBTOTAL	**D35150**	**3**		**3**
D36100 - PROJECT MOBILIZATION - EXCAVATION				
71653	Truck - Tractor 20 ton	60		60
71883	Trailer - Semi Lowboy 70 ton	149		149
NM60	CATALOG PURCHASES	315		315
U21	LABORER	75		75
U71	MATERIAL MOVING EQUIPMENT OPERATOR,HEAVY	60		60
Z08	SUPERVISOR, OPERATIONS	7		7
Z11	FOREMAN, CRAFTS	20		20
SUBTOTAL	**D36100**	**686**		**686**
D36120 - A-E OVERSIGHT DURING EXCAVATION				
E04	Civil Engineering	63		63
SUBTOTAL	**D36120**	**63**		**63**
D36130 - D&D CONSTRUCTION COORD. DURING EXCAVATION				
71133	Truck - Pickup 1/2 ton 4x2	510		510
F25	CONSTRUCTION COORDINATOR	150		150
SUBTOTAL	**D36130**	**660**		**660**
D36141 - PHOTOS & VIDEO DURING EXCAVATION				
NRPB	PHOTO AND VIDEO	4757		4757

RESOURCE	RESOURCE DESCRIPTION	FY 2003	FY 2004	TOTAL
D36141 - PHOTOS & VIDEO DURING EXCAVATION				
SUBTOTAL	**D36141**	**4757**		**4757**
D36150 - SAFETY SUPPORT PERSONNEL DURING EXCAVATION				
E08	ENVIRONMENTAL ENGINEERING	112		112
E17	QUALITY ENGINEERING	112		112
E18	RADIOLOGICAL ENGINEERING	112		112
E19	SAFETY ENGINEERING	280		280
S08	INDUSTRIAL HYGIENE	280		280
T16	INDUST SAFETY/HEALTH TECH	280		280
U60	RADIOLOGICAL CONTROL TECH	1120		1120
Z08	SUPERVISOR, OPERATIONS	112		112
SUBTOTAL	**D36150**	**2408**		**2408**
D36160 - FIELD PERSONNEL TRAINING - EXCAVATION				
U21	LABORER	21		21
U71	MATERIAL MOVING EQUIPMENT OPERATOR,HEAVY	35		35
SUBTOTAL	**D36160**	**56**		**56**
D36170 - FIELD SUPPORT/SUPPLIES/EQUIP DURING EXCAVATION				
71249	Truck - Pickup 3/4 ton Ext Cab	2736		2736
71965	Trailer - Office	942		942
F07	FAC/PLANT MAINTENANCE	600		600
NM80	SUBCONTRACTS & SERVICES	263		263
U21	LABORER	712		712
U83	Surveyor	70		70
Z11	FOREMAN, CRAFTS	107		107
Z08	SUPERVISOR, OPERATIONS	34		34
SUBTOTAL	**D36170**	**5464**		**5464**
D36180 - REMOVE EXISTING FENCING				
71792	Truck - Dump 16 bcuyd	61		61
76647	Excavator - JD 690 ELC 40,000 lbs	186		186
U21	LABORER	90		90
U71	MATERIAL MOVING EQUIPMENT OPERATOR,HEAVY	40		40
Z08	SUPERVISOR, OPERATIONS	6		6
Z11	FOREMAN, CRAFTS	20		20
SUBTOTAL	**D36180**	**403**		**403**
D36190 - BUILD PLATFORMS FOR TRUCK LINER ACCESS				
U06	CARPENTER	80		80
Z08	SUPERVISOR, OPERATIONS	4		4
Z11	FOREMAN, CRAFTS	12		12
SUBTOTAL	**D36190**	**96**		**96**
D36200 - REMOVE POWER LINE POLE, PANEL, & CABLE				
76647	Excavator - JD 690 ELC 40,000 lbs	12		12
P60	OUTSIDE EQUIPMENT RENTAL	300		300
U11	Electrician	12		12
U23	LINEMAN	18		18
U71	MATERIAL MOVING EQUIPMENT OPERATOR,HEAVY	12		12
Z08	SUPERVISOR, OPERATIONS	2		2
Z11	FOREMAN, CRAFTS	6		6
SUBTOTAL	**D36200**	**362**		**362**
D36210 - CLEAR & GRUB				
71798	Truck - Hydroseeder	31		31

RESOURCE	RESOURCE DESCRIPTION	FY 2003	FY 2004	TOTAL
D36210 - CLEAR & GRUB				
P60	OUTSIDE EQUIPMENT RENTAL	1140		1140
U21	LABORER	10		10
U71	MATERIAL MOVING EQUIPMENT OPERATOR,HEAVY	10		10
Z08	SUPERVISOR, OPERATIONS	1		1
Z11	FOREMAN, CRAFTS	3		3
SUBTOTAL	**D36210**	**1195**		**1195**
D36220 - TRANSPORTATION & WGS SUPPORT DURING EXCAVATION				
F14	Transportation Services	320		320
X16	Mixed/Hazardous Waste Management	320		320
SUBTOTAL	**D36220**	**640**		**640**
D36230 - EXC & HAUL NON-RAD Hg SOIL/ACM TO CFA				
71653	Truck - Tractor 20 ton	420		420
71654	Truck - Tractor 20 ton	375		375
71798	Truck - Hydroseeder	440		440
71823	Trailer - End Dump assumes 16 bcuyd	309		309
71824	Trailer - End Dump assumes 16 bcuyd	351		351
75621	Loader - Front End 921 w/ 5 bcuyd bucket	627		627
76647	Excavator - JD 690 ELC 40,000 lbs	869		869
NM60	CATALOG PURCHASES	2940		2940
U21	LABORER	140		140
U71	MATERIAL MOVING EQUIPMENT OPERATOR,HEAVY	560		560
Z08	SUPERVISOR, OPERATIONS	34		34
Z11	FOREMAN, CRAFTS	105		105
SUBTOTAL	**D36230**	**7171**		**7171**
D36240 - EXCAVATE FOR BOTTLES CONTAINING CALCINE				
75676	Excavator - Case JI688 30,000 lbs	452		452
NM60	CATALOG PURCHASES	210		210
U21	LABORER	60		60
U71	MATERIAL MOVING EQUIPMENT OPERATOR,HEAVY	20		20
Z08	SUPERVISOR, OPERATIONS	4		4
Z11	FOREMAN, CRAFTS	12		12
SUBTOTAL	**D36240**	**758**		**758**
D36241 - EXC & HAUL DEEPER Hg SOIL TO ICDF				
71653	Truck - Tractor 20 ton	150		150
71654	Truck - Tractor 20 ton	134		134
71798	Truck - Hydroseeder	157		157
75621	Loader - Front End 921 w/ 5 bcuyd bucket	224		224
75712	Dozer - Tractor D8N 90,000 lbs	447		447
NM60	CATALOG PURCHASES	4725		4725
NM80	SUBCONTRACTS & SERVICES	32400		32400
P60	OUTSIDE EQUIPMENT RENTAL	1500		1500
U21	LABORER	150		150
U71	MATERIAL MOVING EQUIPMENT OPERATOR,HEAVY	200		200
Z08	SUPERVISOR, OPERATIONS	17		17
Z11	FOREMAN, CRAFTS	53		53
SUBTOTAL	**D36241**	**40156**		**40156**
D36250 - EXC & HAUL TCLP SOIL TO ICDF				
71653	Truck - Tractor 20 ton	90		90
71654	Truck - Tractor 20 ton	80		80
71798	Truck - Hydroseeder	94		94
75621	Loader - Front End 921 w/ 5 bcuyd bucket	134		134
76647	Excavator - JD 690 ELC 40,000 lbs	186		186
NM60	CATALOG PURCHASES	2520		2520
NM80	SUBCONTRACTS & SERVICES	2000		2000

RESOURCE	RESOURCE DESCRIPTION	FY 2003	FY 2004	TOTAL
D36250 - EXC & HAUL TCLP SOIL TO ICDF				
P60	OUTSIDE EQUIPMENT RENTAL	900		900
U21	LABORER	90		90
U71	MATERIAL MOVING EQUIPMENT OPERATOR,HEAVY	120		120
Z08	SUPERVISOR, OPERATIONS	10		10
Z11	FOREMAN, CRAFTS	32		32
SUBTOTAL	**D36250**	**6257**		**6257**
D36260 - EXC & HAUL LOW-LEVEL Hg SOIL TO ICDF				
71653	Truck - Tractor 20 ton	240		240
71654	Truck - Tractor 20 ton	214		214
71798	Truck - Hydroseeder	251		251
75621	Loader - Front End 921 w/ 5 bcuyd bucket	358		358
75712	Dozer - Tractor D8N 90,000 lbs	715		715
NM60	CATALOG PURCHASES	7980		7960
NM80	SUBCONTRACTS & SERVICES	5600		5600
P60	OUTSIDE EQUIPMENT RENTAL	2400		2400
U21	LABORER	240		240
U71	MATERIAL MOVING EQUIPMENT OPERATOR,HEAVY	320		320
Z08	SUPERVISOR, OPERATIONS	27		27
Z11	FOREMAN, CRAFTS	84		84
SUBTOTAL	**D36260**	**18430**		**18430**
D36271 - CLEAN BASALT SURFACE AT DEEPER Hg SOIL AREAS				
71653	Truck - Tractor 20 ton	180		180
71988	Generator - Towable > 40 KW	153		153
75676	Excavator - Case JI688 30,000 lbs	1357		1357
NM60	CATALOG PURCHASES	76062		76062
NM80	SUBCONTRACTS & SERVICES	220		220
P60	OUTSIDE EQUIPMENT RENTAL	900		900
U21	LABORER	180		180
U71	MATERIAL MOVING EQUIPMENT OPERATOR,HEAVY	120		120
Z08	SUPERVISOR, OPERATIONS	20		20
Z11	FOREMAN, CRAFTS	63		63
SUBTOTAL	**D36271**	**79255**		**79255**
D36272 - CLEAN BASALT SURFACE AT LOW-LEVEL Hg SOIL AREAS				
71653	Truck - Tractor 20 ton	540		540
71988	Generator - Towable > 40 KW	459		459
75676	Excavator - Case JI688 30,000 lbs	4072		4072
NM60	CATALOG PURCHASES	4536		4536
NM80	SUBCONTRACTS & SERVICES	640		640
P60	OUTSIDE EQUIPMENT RENTAL	2700		2700
U21	LABORER	540		540
U71	MATERIAL MOVING EQUIPMENT OPERATOR,HEAVY	360		360
Z08	SUPERVISOR, OPERATIONS	61		61
Z11	FOREMAN, CRAFTS	189		189
SUBTOTAL	**D36272**	**14096**		**14096**
D36280 - DECONTAMINATE EQUIPMENT				
U21	LABORER	20		20
SUBTOTAL	**D36280**	**20**		**20**
D36290 - PROJECT DEMOBILIZATION - EXCAVATION				
71653	Truck - Tractor 20 ton	45		45
71883	Trailer - Semi Lowboy 70 ton	112		112
U21	LABORER	60		60
U71	MATERIAL MOVING EQUIPMENT OPERATOR,HEAVY	45		45
Z08	SUPERVISOR, OPERATIONS	5		5
Z11	FOREMAN, CRAFTS	16		16

RESOURCE	RESOURCE DESCRIPTION	FY 2003	FY 2004	TOTAL
D36290 - PROJECT DEMOBILIZATION - EXCAVATION				
SUBTOTAL	**D36290**	**283**		**283**
D37110 - FIELD SAMPLING & ANALYSIS DURING EXCAVATION				
E08	ENVIRONMENTAL ENGINEERING	64		64
S06	HEALTH PHYSICS	128		128
SUBTOTAL	**D37110**	**192**		**192**
D37111 - FIELD/CONFIRMATION SAMPLING NON-RAD Hg SOIL/ACM				
S06	HEALTH PHYSICS	10		10
SUBTOTAL	**D37111**	**10**		**10**
D37112 - FIELD ANALYSIS NON-RAD Hg SOIL/ACM				
S06	HEALTH PHYSICS	10		10
SUBTOTAL	**D37112**	**10**		**10**
D37113 - CONFIRMATION ANALYSIS NON-RAD Hg SOIL/ACM				
NM80	SUBCONTRACTS & SERVICES	11780		11780
SUBTOTAL	**D37113**	**11780**		**11780**
D37114 - VALIDATION NON-RAD Hg SOIL/ACM				
NM80	SUBCONTRACTS & SERVICES	1000		1000
S15	ANALYTICAL CHEMISTRY	2		2
SUBTOTAL	**D37114**	**1002**		**1002**
D37115 - FIELD/CONFIRMATION SAMPLING DEEPER Hg SOIL				
S06	HEALTH PHYSICS	10		10
SUBTOTAL	**D37115**	**10**		**10**
D37116 - FIELD ANALYSIS DEEPER Hg SOIL				
S06	HEALTH PHYSICS	10		10
SUBTOTAL	**D37116**	**10**		**10**
D37117 - CONFIRMATION ANALYSIS DEEPER Hg SOIL				
NM80	SUBCONTRACTS & SERVICES	5890		5890
SUBTOTAL	**D37117**	**5890**		**5890**
D37118 - VALIDATION DEEPER Hg SOIL				
NM80	SUBCONTRACTS & SERVICES	500		500
S15	ANALYTICAL CHEMISTRY	2		2
SUBTOTAL	**D37118**	**502**		**502**
D37119 - FIELD/CONFIRM SAMPLING TCLP & LOW-LEVEL Hg SOIL				
S06	HEALTH PHYSICS	10		10
SUBTOTAL	**D37119**	**10**		**10**
D37120 - FIELD ANALYSIS TCLP & LOW-LEVEL Hg SOIL				
S06	HEALTH PHYSICS	10		10
SUBTOTAL	**D37120**	**10**		**10**

RESOURCE	RESOURCE DESCRIPTION	FY 2003	FY 2004	TOTAL
D37121 - CONFIRMATION ANALYSIS TCLP & LOW-LEVEL Hg SOIL				
NM80	SUBCONTRACTS & SERVICES	5610	6170	11780
SUBTOTAL	**D37121**	**5610**	**6170**	**11780**
D37122 - VALIDATION TCLP & LOW-LEVEL Hg SOIL				
NM80	SUBCONTRACTS & SERVICES		1000	1000
S15	ANALYTICAL CHEMISTRY		2	2
SUBTOTAL	**D37122**		**1002**	**1002**
D38100 - FIELD PERSONNEL TRAINING - BKFL/REVEGETATION				
U21	LABORER		8	8
U71	MATERIAL MOVING EQUIPMENT OPERATOR,HEAVY		16	16
SUBTOTAL	**D38100**		**24**	**24**
D38110 - PROJECT MOBILIZATION - BACKFILL/REVEGETATION				
71653	Truck - Tractor 20 ton		30	30
71883	Trailer - Semi Lowboy 70 ton		75	75
NM60	CATALOG PURCHASES		105	105
U21	LABORER		20	20
U71	MATERIAL MOVING EQUIPMENT OPERATOR,HEAVY		30	30
Z08	SUPERVISOR, OPERATIONS		2	2
Z11	FOREMAN, CRAFTS		8	8
SUBTOTAL	**D38110**		**270**	**270**
D38120 - A-E OVERSIGHT DURING BACKFILL/REVEGETATION				
E04	Civil Engineering		25	25
SUBTOTAL	**D38120**		**25**	**25**
D38130 - D&D CONSTRUCTION COORD. DURING BKFL/REVEGETATION				
71133	Truck - Pickup 1/2 ton 4x2		196	196
F25	CONSTRUCTION COORDINATOR		58	58
SUBTOTAL	**D38130**		**253**	**253**
D38140 - SAFETY PERSONNEL DURING BKFL/REVEGETATION				
E08	ENVIRONMENTAL ENGINEERING		42	42
E17	QUALITY ENGINEERING		42	42
E18	RADIOLOGICAL ENGINEERING		42	42
E19	SAFETY ENGINEERING		105	105
S08	INDUSTRIAL HYGIENE		105	105
T16	INDUST SAFETY/HEALTH TECH		105	105
U60	RADIOLOGICAL CONTROL TECH		105	105
Z08	SUPERVISOR, OPERATIONS		11	11
SUBTOTAL	**D38140**		**557**	**557**
D38141 - PHOTOS & VIDEO DURING BACKFILL/REVEGETATION				
NRPB	PHOTO AND VIDEO		1824	1824
SUBTOTAL	**D38141**		**1824**	**1824**
D38150 - FIELD SUPPORT/SUPPLIES DURING BKFL/REVEGETATION				
71249	Truck - Pickup 3/4 ton Ext Cab		1049	1049
71965	Trailer - Office		361	361
F07	FAC/PLANT MAINTENANCE		230	230
NM80	SUBCONTRACTS & SERVICES		101	101
U21	LABORER		273	273

RESOURCE	RESOURCE DESCRIPTION	FY 2003	FY 2004	TOTAL
D38150 - FIELD SUPPORT/SUPPLIES DURING BKFL/REVEGETATION				
Z11	FOREMAN, CRAFTS		41	41
Z08	SUPERVISOR, OPERATIONS		13	13
SUBTOTAL	**D38150**		**2068**	**2068**
D38160 - IMPORT PIT RUN GRAVEL FOR LOW-LEVEL Hg SOIL AREA				
71653	Truck - Tractor 20 ton		180	180
71654	Truck - Tractor 20 ton		161	161
71823	Trailer - End Dump assumes 16 bcuyd		133	133
71824	Trailer - End Dump assumes 16 bcuyd		151	151
75621	Loader - Front End 921 w/ 5 bcuyd bucket		269	269
U21	LABORER		60	60
U71	MATERIAL MOVING EQUIPMENT OPERATOR,HEAVY		180	180
Z08	SUPERVISOR, OPERATIONS		12	12
Z11	FOREMAN, CRAFTS		36	36
SUBTOTAL	**D38160**		**1180**	**1180**
D38171 - PLACE PIT RUN GRAVEL AT NON-RAD Hg SOIL AREAS				
71798	Truck - Hydroseeder		188	188
75609	Roller Self Propelled - Vibrating		506	506
75712	Dozer - Tractor D8N 90,000 lbs		536	536
U21	LABORER		60	60
U71	MATERIAL MOVING EQUIPMENT OPERATOR,HEAVY		120	120
Z08	SUPERVISOR, OPERATIONS		9	9
Z11	FOREMAN, CRAFTS		27	27
SUBTOTAL	**D38171**		**1446**	**1446**
D38172 - GRADE SLOPES/PLACE SOIL AT NON-RAD Hg SOIL AREAS				
71798	Truck - Hydroseeder		63	63
75609	Roller Self Propelled - Vibrating		169	169
75712	Dozer - Tractor D8N 90,000 lbs		179	179
U21	LABORER		20	20
U71	MATERIAL MOVING EQUIPMENT OPERATOR,HEAVY		40	40
Z08	SUPERVISOR, OPERATIONS		3	3
Z11	FOREMAN, CRAFTS		9	9
SUBTOTAL	**D38172**		**482**	**482**
D38181 - PLACE PIT RUN GRAVEL AT LOW-LEVEL Hg SOIL AREAS				
71798	Truck - Hydroseeder		126	126
75609	Roller Self Propelled - Vibrating		337	337
75712	Dozer - Tractor D8N 90,000 lbs		358	358
U21	LABORER		40	40
U71	MATERIAL MOVING EQUIPMENT OPERATOR,HEAVY		80	80
Z08	SUPERVISOR, OPERATIONS		6	6
Z11	FOREMAN, CRAFTS		18	18
SUBTOTAL	**D38181**		**964**	**964**
D38182 - GRADE SLOPES/PLACE SOIL LOW-LEVEL Hg SOIL AREAS				
71798	Truck - Hydroseeder		63	63
75609	Roller Self Propelled - Vibrating		169	169
75712	Dozer - Tractor D8N 90,000 lbs		179	179
U21	LABORER		20	20
U71	MATERIAL MOVING EQUIPMENT OPERATOR,HEAVY		40	40
Z08	SUPERVISOR, OPERATIONS		3	3
Z11	FOREMAN, CRAFTS		9	9
SUBTOTAL	**D38182**		**482**	**482**
D38190 - PREPARE & SEED POND & DISTURBED AREAS				
71798	Truck - Hydroseeder		63	63

RESOURCE	RESOURCE DESCRIPTION	FY 2003	FY 2004	TOTAL
D38190 - PREPARE & SEED POND & DISTURBED AREAS				
NM60	CATALOG PURCHASES		1649	1649
NM80	SUBCONTRACTS & SERVICES		600	600
P60	OUTSIDE EQUIPMENT RENTAL		2300	2300
U21	LABORER		40	40
U71	MATERIAL MOVING EQUIPMENT OPERATOR,HEAVY		20	20
Z08	SUPERVISOR, OPERATIONS		3	3
Z11	FOREMAN, CRAFTS		9	9
SUBTOTAL	**D38190**		**4684**	**4684**
D38200 - PLACE GFE WOOD CHIPS AT REVEGETATED AREA				
71792	Truck - Dump 16 bcuyd		61	61
71798	Truck - Hydroseeder		126	126
71799	Truck - Dump 16 bcuyd		59	59
75621	Loader - Front End 921 w/ 5 bcuyd bucket		179	179
P60	OUTSIDE EQUIPMENT RENTAL		1500	1500
U21	LABORER		50	50
U71	MATERIAL MOVING EQUIPMENT OPERATOR,HEAVY		90	90
Z08	SUPERVISOR, OPERATIONS		7	7
Z11	FOREMAN, CRAFTS		21	21
SUBTOTAL	**D38200**		**2093**	**2093**
D38220 - FINAL HOUSEKEEPING, ENSURE PROPER SIGNAGE				
U21	LABORER		30	30
Z08	SUPERVISOR, OPERATIONS		1	1
Z11	FOREMAN, CRAFTS		5	5
SUBTOTAL	**D38220**		**36**	**36**
D38230 - PROJECT DEMOBILIZATION - BACKFILL/REVEGETATION				
71653	Truck - Tractor 20 ton		30	30
71883	Trailer - Semi Lowboy 70 ton		75	75
U21	LABORER		20	20
U71	MATERIAL MOVING EQUIPMENT OPERATOR,HEAVY		30	30
Z08	SUPERVISOR, OPERATIONS		2	2
Z11	FOREMAN, CRAFTS		8	8
SUBTOTAL	**D38230**		**165**	**165**
D38300 - PREPARE DRAFT CHECKLIST				
E08	ENVIRONMENTAL ENGINEERING	30		30
SUBTOTAL	**D38300**	**30**		**30**
D38320 - PERFORM PRE-FINAL INSPECTION WITH AGENCIES				
71133	Truck - Pickup 1/2 ton 4x2		34	34
71249	Truck - Pickup 3/4 ton Ext Cab		46	46
E08	ENVIRONMENTAL ENGINEERING		10	10
E28	PROJ MGMNT - ENGINEERING/SCIENTIFIC		10	10
E34	PROJECT ENGINEER		10	10
F07	FAC/PLANT MAINTENANCE		10	10
F25	CONSTRUCTION COORDINATOR		10	10
S06	HEALTH PHYSICS		10	10
S21	REGULATORY COMPLIANCE - ENVIRONMENTAL		10	10
SUBTOTAL	**D38320**		**150**	**150**
D38330 - CORRECT ANY DEFICIENCIES NOTED IN PRE-FINAL INSP				
71133	Truck - Pickup 1/2 ton 4x2		34	34
71249	Truck - Pickup 3/4 ton Ext Cab		91	91
F07	FAC/PLANT MAINTENANCE		20	20
F25	CONSTRUCTION COORDINATOR		10	10
U21	LABORER		40	40

RESOURCE	RESOURCE DESCRIPTION	FY 2003	FY 2004	TOTAL
D38330 - CORRECT ANY DEFICIENCIES NOTED IN PRE-FINAL INSP				
Z08	SUPERVISOR, OPERATIONS		3	3
Z11	FOREMAN, CRAFTS		9	9
SUBTOTAL	**D38330**		**207**	**207**
D38340 - PERFORM FINAL INSPECTION				
71133	Truck - Pickup 1/2 ton 4x2		34	34
71249	Truck - Pickup 3/4 ton Ext Cab		46	46
E08	ENVIRONMENTAL ENGINEERING		10	10
E28	PROJ MGMNT - ENGINEERING/SCIENTIFIC		10	10
E34	PROJECT ENGINEER		10	10
F07	FAC/PLANT MAINTENANCE		10	10
F25	CONSTRUCTION COORDINATOR		10	10
S06	HEALTH PHYSICS		10	10
SUBTOTAL	**D38340**		**140**	**140**
D38350 - TURN-BACK TO LANDLORD				
71133	Truck - Pickup 1/2 ton 4x2		34	34
F25	CONSTRUCTION COORDINATOR		10	10
SUBTOTAL	**D38350**		**44**	**44**
D38360 - WRITE DRAFT REMEDIAL ACTION REPORT				
E08	ENVIRONMENTAL ENGINEERING		120	120
NRPA	PRINTING		502	502
NRPF	ELECTRONIC PUBLICATIONS		693	693
NRPG	WRITER/EDITOR		1034	1034
SUBTOTAL	**D38360**		**2349**	**2349**
D38370 - SUBMIT PRELIM DRAFT RA REPORT TO ORB/DOE-ID				
E08	ENVIRONMENTAL ENGINEERING		8	8
SUBTOTAL	**D38370**		**8**	**8**
D38380 - REVIEW OF PRELIM DRAFT RA REPORT BY ORB/DOE-ID				
E08	ENVIRONMENTAL ENGINEERING		40	40
E17	QUALITY ENGINEERING		30	30
E19	SAFETY ENGINEERING		30	30
E34	PROJECT ENGINEER		40	40
S06	HEALTH PHYSICS		30	30
S21	REGULATORY COMPLIANCE - ENVIRONMENTAL		30	30
SUBTOTAL	**D38380**		**200**	**200**
D38390 - RESOLVE/INCORP DRAFT RA REPORT COMMENTS				
E08	ENVIRONMENTAL ENGINEERING		80	80
NRPA	PRINTING		502	502
NRPF	ELECTRONIC PUBLICATIONS		693	693
NRPG	WRITER/EDITOR		1034	1034
SUBTOTAL	**D38390**		**2309**	**2309**
D38400 - SUBMIT REMEDIAL ACTION REPORT TO AGENCIES				
E08	ENVIRONMENTAL ENGINEERING		8	8
SUBTOTAL	**D38400**		**8**	**8**
D38420 - RESOLVE/INCORP AGENCY COMMENTS ON RA REPORT				
E08	ENVIRONMENTAL ENGINEERING		40	40
NRPA	PRINTING		502	502
NRPF	ELECTRONIC PUBLICATIONS		693	693
NRPG	WRITER/EDITOR		1034	1034

RESOURCE	RESOURCE DESCRIPTION	FY 2003	FY 2004	TOTAL
D38420 - RESOLVE/INCORP AGENCY COMMENTS ON RA REPORT				
SUBTOTAL	D38420		2269	2269
D38430 - SUBMIT REVISED RA REPORT TO AGENCIES				
E08	ENVIRONMENTAL ENGINEERING		8	8
SUBTOTAL	D38430		8	8
D38450 - RESOLVE/INCORP AGENCY COMMENTS ON REVISED RA REP				
E08	ENVIRONMENTAL ENGINEERING		40	40
NRPA	PRINTING		502	502
NRPF	ELECTRONIC PUBLICATIONS		693	693
NRPG	WRITER/EDITOR		1034	1034
SUBTOTAL	D38450		2269	2269
D38460 - ISSUE FINAL REMEDIAL ACTION REPORT TO AGENCIES				
E08	ENVIRONMENTAL ENGINEERING		8	8
SUBTOTAL	D38460		8	8
TOTAL		208590	33694	242284
	REPORT TOTAL	208590	33694	242284

ACTIVITY ID		ORIG DUR	REM DUR	%			ACTIVITY DESCRIPTION	EARLY START	EARLY FINISH	LATE START	LATE FINISH	TOTAL FLOAT
D35000		0	0	0			BEGIN CFA-04 POND PROCUREMENT & WORK CONTROL	24MAR03		21APR03		16
..D35120	*	6	6	0	SU		OBTAIN DAVIS-BACON RULING	24MAR03	1APR03	21APR03	29APR03	16
..D35000	*	0	0	0	PR		BEGIN CFA-04 POND PROCUREMENT & WORK CONTROL	24MAR03		21APR03		16
D35120		6	6	0			OBTAIN DAVIS-BACON RULING	24MAR03	1APR03	21APR03	29APR03	16
..D35130	*	8	8	0	SU		LEASE EQUIPMENT & PURCHASE MATERIALS	2APR03	15APR03	7MAY03	20MAY03	20
..D35140	*	12	12	0	SU		DEVELOP WORK CONTROL (WCF, WOs, SWPs, ETC.)	2APR03	22APR03	30APR03	20MAY03	16
..D35120	*	6	6	0	PR		OBTAIN DAVIS-BACON RULING	24MAR03	1APR03	21APR03	29APR03	16
D35130		8	8	0			LEASE EQUIPMENT & PURCHASE MATERIALS	2APR03	15APR03	7MAY03	20MAY03	20
..D35150		1	1	0	SU		ISSUE 14 DAY NOTIFICATION OF START OF CONST.	23APR03	23APR03	21MAY03	21MAY03	28
..D35120	*	6	6	0	PR		OBTAIN DAVIS-BACON RULING	24MAR03	1APR03	21APR03	29APR03	16
D35140		12	12	0			DEVELOP WORK CONTROL (WCF, WOs, SWPs, ETC.)	2APR03	22APR03	30APR03	20MAY03	16
..D35150	*	1	1	0	SU		ISSUE 14 DAY NOTIFICATION OF START OF CONST.	23APR03	23APR03	21MAY03	21MAY03	28
..D35130		8	8	0	PR		LEASE EQUIPMENT & PURCHASE MATERIALS	2APR03	15APR03	7MAY03	20MAY03	20
..D35140	*	12	12	0	PR		DEVELOP WORK CONTROL (WCF, WOs, SWPs, ETC.)	2APR03	22APR03	30APR03	20MAY03	16
D35150		1	1	0			ISSUE 14 DAY NOTIFICATION OF START OF CONST.	23APR03	23APR03	21MAY03	21MAY03	28
..D36000		0	0	0	SU FS	14	BEGIN CFA-04 POND DEMO & EXCAVATION WORK	4JUN03*		5JUN03		1
..D35150		1	1	0	PR FS	14	ISSUE 14 DAY NOTIFICATION OF START OF CONST.	23APR03	23APR03	21MAY03	21MAY03	28
D36000		0	0	0			BEGIN CFA-04 POND DEMO & EXCAVATION WORK	4JUN03*		5JUN03		1
..D36100	*	2	2	0	SU		PROJECT MOBILIZATION - EXCAVATION	4JUN03	5JUN03	5JUN03	9JUN03	1
..D36000	*	0	0	0	PR		BEGIN CFA-04 POND DEMO & EXCAVATION WORK	4JUN03*		5JUN03		1
D36100		2	2	0			PROJECT MOBILIZATION - EXCAVATION	4JUN03	5JUN03	5JUN03	9JUN03	1
..D36130	*	60	60	0	SU SS	0	D&D CONSTRUCTION COORD. DURING EXCAVATION	4JUN03	18SEP03	5JUN03	10CT03	7
..D36141	*	60	60	0	SU SS	0	PHOTOS & VIDEO DURING EXCAVATION	4JUN03	18SEP03	5JUN03	10CT03	7
..D36160	*	60	60	0	SU SS	0	FIELD PERSONNEL TRAINING - EXCAVATION	4JUN03	18SEP03	5JUN03	10CT03	7
..D36170	*	60	60	0	SU SS	0	FIELD SUPPORT/SUPPLIES/EQUIP DURING EXCAVATION	4JUN03	18SEP03	5JUN03	10CT03	7
..D36180	*	3	3	0	SU		REMOVE EXISTING FENCING	9JUN03	11JUN03	10JUN03	12JUN03	1
..D36190	*	2	2	0	SU		BUILD PLATFORMS FOR TRUCK LINER ACCESS	9JUN03	10JUN03	14JUL03	15JUL03	19
..D36200	*	1	1	0	SU		REMOVE POWER LINE POLE, PANEL, & CABLE	9JUN03	9JUN03	12JUN03	12JUN03	3
..D36230	*	14	14	0	PR SS	0	EXC & HAUL NON-RAD Hg SOIL/ACM TO CFA	16JUN03	9JUL03	17JUN03	10JUL03	1
D36120		50*	50*	0			A-E OVERSIGHT DURING EXCAVATION	16JUN03	11SEP03	17JUN03	15SEP03	1
..D36272	*	18	18	0	SU FF	0	CLEAN BASALT SURFACE AT LOW-LEVEL Hg SOIL AREAS	12AUG03	11SEP03	13AUG03	15SEP03	1
..D36100	*	2	2	0	PR SS	0	PROJECT MOBILIZATION - EXCAVATION	4JUN03	5JUN03	5JUN03	9JUN03	1
D36130		60*	60*	0			D&D CONSTRUCTION COORD. DURING EXCAVATION	4JUN03	18SEP03	5JUN03	10CT03	7
..D36290	*	2	2	0	SU FF	0	PROJECT DEMOBILIZATION - EXCAVATION	17SEP03	18SEP03	30SEP03*	10CT03	7
..D36100	*	2	2	0	PR SS	0	PROJECT MOBILIZATION - EXCAVATION	4JUN03	5JUN03	5JUN03	9JUN03	1
D36141		60*	60*	0			PHOTOS & VIDEO DURING EXCAVATION	4JUN03	18SEP03	5JUN03	10CT03	7
..D36290	*	2	2	0	SU FF	0	PROJECT DEMOBILIZATION - EXCAVATION	17SEP03	18SEP03	30SEP03*	10CT03	7
..D36180	*	3	3	0	PR SS	0	REMOVE EXISTING FENCING	9JUN03	11JUN03	10JUN03	12JUN03	1
..D36190	*	2	2	0	PR SS	0	BUILD PLATFORMS FOR TRUCK LINER ACCESS	9JUN03	10JUN03	14JUL03	15JUL03	19
..D36200	*	1	1	0	PR SS	0	REMOVE POWER LINE POLE, PANEL, & CABLE	9JUN03	9JUN03	12JUN03	12JUN03	3
D36150		56*	56*	0			SAFETY SUPPORT PERSONNEL DURING EXCAVATION	9JUN03	16SEP03	10JUN03	29SEP03	7
..D36280	*	2	2	0	SU FF	0	DECONTAMINATE EQUIPMENT	15SEP03	16SEP03	25SEP03	29SEP03	7
..D36100	*	2	2	0	PR SS	0	PROJECT MOBILIZATION - EXCAVATION	4JUN03	5JUN03	5JUN03	9JUN03	1
D36160		60*	60*	0			FIELD PERSONNEL TRAINING - EXCAVATION	4JUN03	18SEP03	5JUN03	10CT03	7
..D36290	*	2	2	0	SU FF	0	PROJECT DEMOBILIZATION - EXCAVATION	17SEP03	18SEP03	30SEP03*	10CT03	7
..D36100	*	2	2	0	PR SS	0	PROJECT MOBILIZATION - EXCAVATION	4JUN03	5JUN03	5JUN03	9JUN03	1
D36170		60*	60*	0			FIELD SUPPORT/SUPPLIES/EQUIP DURING EXCAVATION	4JUN03	18SEP03	5JUN03	10CT03	7
..D36290	*	2	2	0	SU FF	0	PROJECT DEMOBILIZATION - EXCAVATION	17SEP03	18SEP03	30SEP03*	10CT03	7
..D36100	*	2	2	0	PR		PROJECT MOBILIZATION - EXCAVATION	4JUN03	5JUN03	5JUN03	9JUN03	1
D36180		3	3	0			REMOVE EXISTING FENCING	9JUN03	11JUN03	10JUN03	12JUN03	1
..D36150	*	56	56	0	SU SS	0	SAFETY SUPPORT PERSONNEL DURING EXCAVATION	9JUN03	16SEP03	10JUN03	29SEP03	7
..D36210	*	1	1	0	SU		CLEAR & GRUB	12JUN03	12JUN03	16JUN03	16JUN03	1
..D36230		14	14	0	SU		EXC & HAUL NON-RAD Hg SOIL/ACM TO CFA	16JUN03	9JUL03	17JUN03	10JUL03	1

ACTIVITY ID		ORIG DUR	REM DUR	%			ACTIVITY DESCRIPTION	EARLY START	EARLY FINISH	LATE START	LATE FINISH	TOTAL FLOAT
..D36100	*	2	2	0	PR		PROJECT MOBILIZATION - EXCAVATION	4JUN03	5JUN03	5JUN03	9JUN03	1
D36190		2	2	0			BUILD PLATFORMS FOR TRUCK LINER ACCESS	9JUN03	10JUN03	14JUL03	15JUL03	19
..D36150	*	56	56	0	SU SS	0	SAFETY SUPPORT PERSONNEL DURING EXCAVATION	9JUN03	16SEP03	10JUN03	29SEP03	7
..D36241		5	5	0	SU		EXC & HAUL DEEPER Hg SOIL TO ICDF	15JUL03*	22JUL03	16JUL03	23JUL03	1
..D36250		3	3	0	SU		EXC & HAUL TCLP SOIL TO ICDF	23JUL03*	28JUL03	24JUL03	29JUL03	1
..D36260		8	8	0	SU		EXC & HAUL LOW-LEVEL Hg SOIL TO ICDF	29JUL03*	11AUG03	30JUL03	12AUG03	1
..D36100	*	2	2	0	PR		PROJECT MOBILIZATION - EXCAVATION	4JUN03	5JUN03	5JUN03	9JUN03	1
D36200		1	1	0			REMOVE POWER LINE POLE, PANEL, & CABLE	9JUN03	9JUN03	12JUN03	12JUN03	3
..D36150	*	56	56	0	SU SS	0	SAFETY SUPPORT PERSONNEL DURING EXCAVATION	9JUN03	16SEP03	10JUN03	29SEP03	7
..D36210		1	1	0	SU		CLEAR & GRUB	12JUN03	12JUN03	16JUN03	16JUN03	1
..D36230		14	14	0	SU		EXC & HAUL NON-RAD Hg SOIL/ACM TO CFA	16JUN03	9JUL03	17JUN03	10JUL03	1
..D36180	*	3	3	0	PR		REMOVE EXISTING FENCING	9JUN03	11JUN03	10JUN03	12JUN03	1
..D36200		1	1	0	PR		REMOVE POWER LINE POLE, PANEL, & CABLE	9JUN03	9JUN03	12JUN03	12JUN03	3
D36210		1	1	0			CLEAR & GRUB	12JUN03	12JUN03	16JUN03	16JUN03	1
..D36230	*	14	14	0	SU		EXC & HAUL NON-RAD Hg SOIL/ACM TO CFA	16JUN03	9JUL03	17JUN03	10JUL03	1
..D36230	*	14	14	0	PR SS	0	EXC & HAUL NON-RAD Hg SOIL/ACM TO CFA	16JUN03	9JUL03	17JUN03	10JUL03	1
D36220		32*	32*	0			TRANSPORTATION & WGS SUPPORT DURING EXCAVATION	16JUN03	11AUG03	17JUN03	12AUG03	1
..D36260	*	8	8	0	SU FF	0	EXC & HAUL LOW-LEVEL Hg SOIL TO ICDF	29JUL03*	11AUG03	30JUL03	12AUG03	1
..D36180		3	3	0	PR		REMOVE EXISTING FENCING	9JUN03	11JUN03	10JUN03	12JUN03	1
..D36200		1	1	0	PR		REMOVE POWER LINE POLE, PANEL, & CABLE	9JUN03	9JUN03	12JUN03	12JUN03	3
..D36210	*	1	1	0	PR		CLEAR & GRUB	12JUN03	12JUN03	16JUN03	16JUN03	1
D36230		14	14	0			EXC & HAUL NON-RAD Hg SOIL/ACM TO CFA	16JUN03	9JUL03	17JUN03	10JUL03	1
..D36120	*	50	50	0	SU SS	0	A-E OVERSIGHT DURING EXCAVATION	16JUN03	11SEP03	17JUN03	15SEP03	1
..D36220	*	32	32	0	SU SS	0	TRANSPORTATION & WGS SUPPORT DURING EXCAVATION	16JUN03	11AUG03	17JUN03	12AUG03	1
..D36240	*	2	2	0	SU		EXCAVATE FOR BOTTLES CONTAINING CALCINE	10JUL03	14JUL03	14JUL03	15JUL03	1
..D37110	*	32	32	0	SU SS	0	FIELD SAMPLING & ANALYSIS DURING EXCAVATION	16JUN03	11AUG03	17JUN03	12AUG03	1
..D37111	*	1	1	0	SU		FIELD/CONFIRMATION SAMPLING NON-RAD Hg SOIL/ACM	10JUL03	10JUL03	10SEP03	10SEP03	34
..D38300		4	4	0	SU		PREPARE DRAFT CHECKLIST	12SEP03	17SEP03	16SEP03	19SEP03	2
..D36230	*	14	14	0	PR		EXC & HAUL NON-RAD Hg SOIL/ACM TO CFA	16JUN03	9JUL03	17JUN03	10JUL03	1
D36240		2	2	0			EXCAVATE FOR BOTTLES CONTAINING CALCINE	10JUL03	14JUL03	14JUL03	15JUL03	1
..D36241	*	5	5	0	SU		EXC & HAUL DEEPER Hg SOIL TO ICDF	15JUL03*	22JUL03	16JUL03	23JUL03	1
..D36190		2	2	0	PR		BUILD PLATFORMS FOR TRUCK LINER ACCESS	9JUN03	10JUN03	14JUL03	15JUL03	19
..D36240	*	2	2	0	PR		EXCAVATE FOR BOTTLES CONTAINING CALCINE	10JUL03	14JUL03	14JUL03	15JUL03	1
D36241		5	5	0			EXC & HAUL DEEPER Hg SOIL TO ICDF	15JUL03*	22JUL03	16JUL03	23JUL03	1
..D36250	*	3	3	0	SU		EXC & HAUL TCLP SOIL TO ICDF	23JUL03*	28JUL03	24JUL03	29JUL03	1
..D36271	*	6	6	0	SU		CLEAN BASALT SURFACE AT DEEPER Hg SOIL AREAS	23JUL03	31JUL03	4AUG03	12AUG03	6
..D38160		6	6	0	SU		IMPORT PIT RUN GRAVEL FOR LOW-LEVEL Hg SOIL AREA	28OCT03	5NOV03	10NOV03	18NOV03	7
..D36190		2	2	0	PR		BUILD PLATFORMS FOR TRUCK LINER ACCESS	9JUN03	10JUN03	14JUL03	15JUL03	19
..D36241	*	5	5	0	PR		EXC & HAUL DEEPER Hg SOIL TO ICDF	15JUL03*	22JUL03	16JUL03	23JUL03	1
D36250		3	3	0			EXC & HAUL TCLP SOIL TO ICDF	23JUL03*	28JUL03	24JUL03	29JUL03	1
..D36260	*	8	8	0	SU		EXC & HAUL LOW-LEVEL Hg SOIL TO ICDF	29JUL03*	11AUG03	30JUL03	12AUG03	1
..D36190		2	2	0	PR		BUILD PLATFORMS FOR TRUCK LINER ACCESS	9JUN03	10JUN03	14JUL03	15JUL03	19
..D36220	*	32	32	0	PR FF	0	TRANSPORTATION & WGS SUPPORT DURING EXCAVATION	16JUN03	11AUG03	17JUN03	12AUG03	1
..D36250	*	3	3	0	PR		EXC & HAUL TCLP SOIL TO ICDF	23JUL03*	28JUL03	24JUL03	29JUL03	1
..D37110	*	32	32	0	PR FF	0	FIELD SAMPLING & ANALYSIS DURING EXCAVATION	16JUN03	11AUG03	17JUN03	12AUG03	1
D36260		8	8	0			EXC & HAUL LOW-LEVEL Hg SOIL TO ICDF	29JUL03*	11AUG03	30JUL03	12AUG03	1
..D36272	*	18	18	0	SU		CLEAN BASALT SURFACE AT LOW-LEVEL Hg SOIL AREAS	12AUG03	11SEP03	13AUG03	15SEP03	1
..D38160		6	6	0	SU		IMPORT PIT RUN GRAVEL FOR LOW-LEVEL Hg SOIL AREA	28OCT03	5NOV03	10NOV03	18NOV03	7
..D38171		6	6	0	SU		PLACE PIT RUN GRAVEL AT NON-RAD Hg SOIL AREAS	28OCT03	5NOV03	28OCT03	5NOV03	0
..D36241	*	5	5	0	PR		EXC & HAUL DEEPER Hg SOIL TO ICDF	15JUL03*	22JUL03	16JUL03	23JUL03	1
D36271		6	6	0			CLEAN BASALT SURFACE AT DEEPER Hg SOIL AREAS	23JUL03	31JUL03	4AUG03	12AUG03	6
..D36272		18	18	0	SU		CLEAN BASALT SURFACE AT LOW-LEVEL Hg SOIL AREAS	12AUG03	11SEP03	13AUG03	15SEP03	1
..D37115	*	1	1	0	SU		FIELD/CONFIRMATION SAMPLING DEEPER Hg SOIL	4AUG03	4AUG03	24SEP03	24SEP03	29
..D38300		4	4	0	SU		PREPARE DRAFT CHECKLIST	12SEP03	17SEP03	16SEP03	19SEP03	2
..D36120	*	50	50	0	PR FF	0	A-E OVERSIGHT DURING EXCAVATION	16JUN03	11SEP03	17JUN03	15SEP03	1
..D36260	*	8	8	0	PR		EXC & HAUL LOW-LEVEL Hg SOIL TO ICDF	29JUL03*	11AUG03	30JUL03	12AUG03	1
..D36271		6	6	0	PR		CLEAN BASALT SURFACE AT DEEPER Hg SOIL AREAS	23JUL03	31JUL03	4AUG03	12AUG03	6
D36272		18	18	0			CLEAN BASALT SURFACE AT LOW-LEVEL Hg SOIL AREAS	12AUG03	11SEP03	13AUG03	15SEP03	1

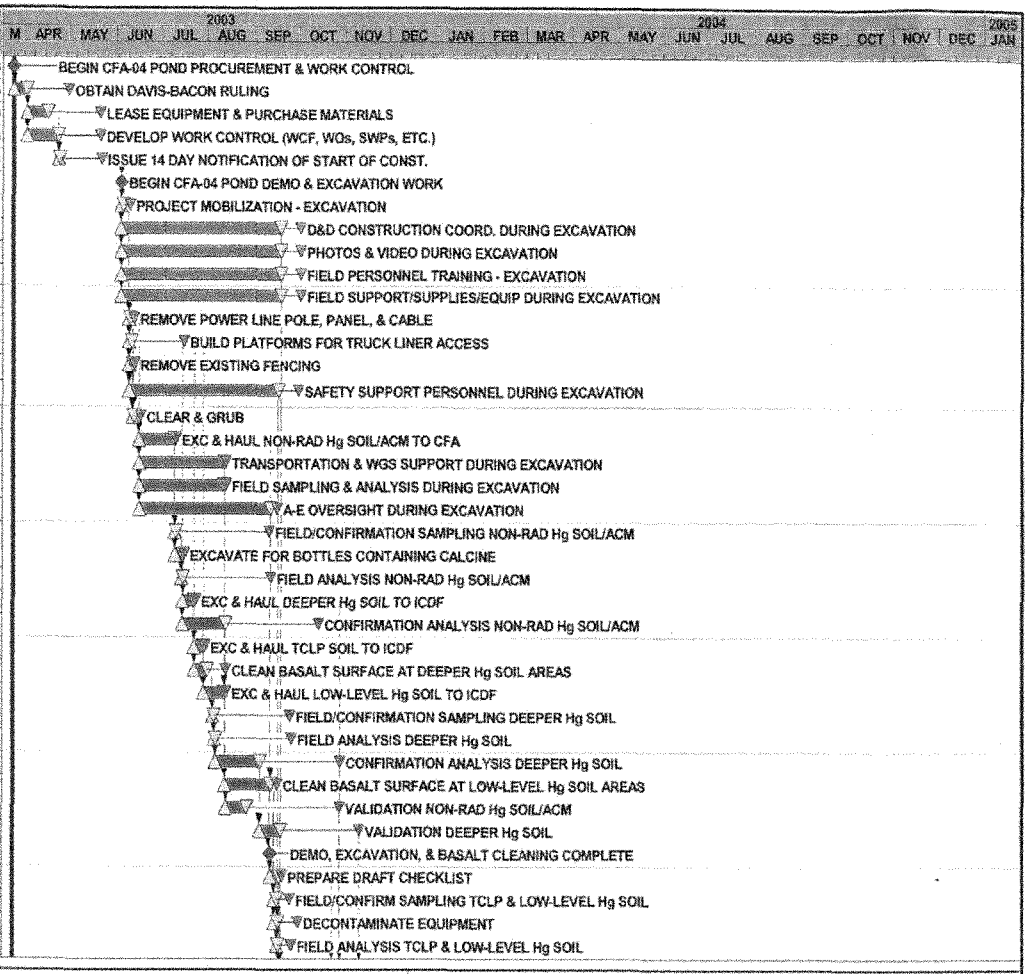
ACTIVITY ID		ORIG DUR	REM DUR	%			ACTIVITY DESCRIPTION	EARLY START	EARLY FINISH	LATE START	LATE FINISH	TOTAL FLOAT
..D36280	*	2	2	0	SU		DECONTAMINATE EQUIPMENT	15SEP03	16SEP03	25SEP03	29SEP03	7
..D36299	*	0	0	0	SU		DEMO, EXCAVATION, & BASALT CLEANING COMPLETE		11SEP03		24SEP03*	7
..D37119	*	1	1	0	SU		FIELD/CONFIRM SAMPLING TCLP & LOW-LEVEL Hg SOIL	15SEP03	15SEP03	24SEP03	24SEP03	6
..D38300	*	4	4	0	SU		PREPARE DRAFT CHECKLIST	12SEP03	17SEP03	16SEP03	19SEP03	2
..D36150	*	56	56	0	PR FF	0	SAFETY SUPPORT PERSONNEL DURING EXCAVATION	9JUN03	16SEP03	10JUN03	29SEP03	7
..D36272	*	18	18	0	PR		CLEAN BASALT SURFACE AT LOW-LEVEL Hg SOIL AREAS	12AUG03	11SEP03	13AUG03	15SEP03	1
..D36299	*	0	0	0	PR		DEMO, EXCAVATION, & BASALT CLEANING COMPLETE		11SEP03		24SEP03*	7
D36280		2	2	0			DECONTAMINATE EQUIPMENT	15SEP03	16SEP03	25SEP03	29SEP03	7
..D36290	*	2	2	0	SU		PROJECT DEMOBILIZATION - EXCAVATION	17SEP03	18SEP03	30SEP03*	10CT03	7
..D36130	*	60	60	0	PR FF	0	D&D CONSTRUCTION COORD. DURING EXCAVATION	4JUN03	18SEP03	5JUN03	10CT03	7
..D36141	*	60	60	0	PR FF	0	PHOTOS & VIDEO DURING EXCAVATION	4JUN03	18SEP03	5JUN03	10CT03	7
..D36160	*	60	60	0	PR FF	0	FIELD PERSONNEL TRAINING - EXCAVATION	4JUN03	18SEP03	5JUN03	10CT03	7
..D36170	*	60	60	0	PR FF	0	FIELD SUPPORT/SUPPLIES/EQUIP DURING EXCAVATION	4JUN03	18SEP03	5JUN03	10CT03	7
..D36280	*	2	2	0	PR		DECONTAMINATE EQUIPMENT	15SEP03	16SEP03	25SEP03	29SEP03	7
D36290		2	2	0			PROJECT DEMOBILIZATION - EXCAVATION	17SEP03	18SEP03	30SEP03*	10CT03	7
..D38000		0	0	0	SU		BEGIN CFA-04 POND BACKFILL/REVEGETATION WORK	23OCT03		23OCT03		0
..D36272	*	18	18	0	PR		CLEAN BASALT SURFACE AT LOW-LEVEL Hg SOIL AREAS	12AUG03	11SEP03	13AUG03	15SEP03	1
D36299		0	0	0			DEMO, EXCAVATION, & BASALT CLEANING COMPLETE		11SEP03		24SEP03*	7
..D36280	*	2	2	0	SU		DECONTAMINATE EQUIPMENT	15SEP03	16SEP03	25SEP03	29SEP03	7
..D38000		0	0	0	SU		BEGIN CFA-04 POND BACKFILL/REVEGETATION WORK	23OCT03		23OCT03		0
..D36230	*	14	14	0	PR SS	0	EXC & HAUL NON-RAD Hg SOIL/ACM TO CFA	16JUN03	9JUL03	17JUN03	10JUL03	1
D37110		32*	32*	0			FIELD SAMPLING & ANALYSIS DURING EXCAVATION	16JUN03	11AUG03	17JUN03	12AUG03	1
..D36260	*	8	8	0	SU FF	0	EXC & HAUL LOW-LEVEL Hg SOIL TO ICDF	29JUL03*	11AUG03	30JUL03	12AUG03	1
..D36230	*	14	14	0	PR		EXC & HAUL NON-RAD Hg SOIL/ACM TO CFA	16JUN03	9JUL03	17JUN03	10JUL03	1
D37111		1	1	0			FIELD/CONFIRMATION SAMPLING NON-RAD Hg SOIL/ACM	10JUL03	10JUL03	10SEP03	10SEP03	34
..D37112	*	1	1	0	SU		FIELD ANALYSIS NON-RAD Hg SOIL/ACM	14JUL03	14JUL03	11SEP03	11SEP03	34
..D37111	*	1	1	0	PR		FIELD/CONFIRMATION SAMPLING NON-RAD Hg SOIL/ACM	10JUL03	10JUL03	10SEP03	10SEP03	34
D37112		1	1	0			FIELD ANALYSIS NON-RAD Hg SOIL/ACM	14JUL03	14JUL03	11SEP03	11SEP03	34
..D37113	*	21	21	0	SU		CONFIRMATION ANALYSIS NON-RAD Hg SOIL/ACM	15JUL03	12AUG03	15SEP03	13OCT03	43
..D37112	*	1	1	0	PR		FIELD ANALYSIS NON-RAD Hg SOIL/ACM	14JUL03	14JUL03	11SEP03	11SEP03	34
D37113		21	21	0			CONFIRMATION ANALYSIS NON-RAD Hg SOIL/ACM	15JUL03	12AUG03	15SEP03	13OCT03	43
..D37114	*	10	10	0	SU		VALIDATION NON-RAD Hg SOIL/ACM	13AUG03	26AUG03	14OCT03	27OCT03	43
..D37113	*	21	21	0	PR		CONFIRMATION ANALYSIS NON-RAD Hg SOIL/ACM	15JUL03	12AUG03	15SEP03	13OCT03	43
D37114		10	10	0			VALIDATION NON-RAD Hg SOIL/ACM	13AUG03	26AUG03	14OCT03	27OCT03	43
..D38171		6	6	0	SU		PLACE PIT RUN GRAVEL AT NON-RAD Hg SOIL AREAS	28OCT03	5NOV03	28OCT03	5NOV03	0
..D36271	*	6	6	0	PR		CLEAN BASALT SURFACE AT DEEPER Hg SOIL AREAS	23JUL03	31JUL03	4AUG03	12AUG03	6
D37115		1	1	0			FIELD/CONFIRMATION SAMPLING DEEPER Hg SOIL	4AUG03	4AUG03	24SEP03	24SEP03	29
..D37116	*	1	1	0	SU		FIELD ANALYSIS DEEPER Hg SOIL	5AUG03	5AUG03	25SEP03	25SEP03	29
..D37115	*	1	1	0	PR		FIELD/CONFIRMATION SAMPLING DEEPER Hg SOIL	4AUG03	4AUG03	24SEP03	24SEP03	29
D37116		1	1	0			FIELD ANALYSIS DEEPER Hg SOIL	5AUG03	5AUG03	25SEP03	25SEP03	29
..D37117	*	21	21	0	SU		CONFIRMATION ANALYSIS DEEPER Hg SOIL	6AUG03	4SEP03	29SEP03	27OCT03	37
..D37116	*	1	1	0	PR		FIELD ANALYSIS DEEPER Hg SOIL	5AUG03	5AUG03	25SEP03	25SEP03	29
D37117		21	21	0			CONFIRMATION ANALYSIS DEEPER Hg SOIL	6AUG03	4SEP03	29SEP03	27OCT03	37
..D37118	*	10	10	0	SU		VALIDATION DEEPER Hg SOIL	5SEP03	18SEP03	28OCT03	10NOV03	37
..D37117	*	21	21	0	PR		CONFIRMATION ANALYSIS DEEPER Hg SOIL	6AUG03	4SEP03	29SEP03	27OCT03	37
D37118		10	10	0			VALIDATION DEEPER Hg SOIL	5SEP03	18SEP03	28OCT03	10NOV03	37
..D38181		4	4	0	SU		PLACE PIT RUN GRAVEL AT LOW-LEVEL Hg SOIL AREAS	11NOV03	17NOV03	11NOV03	17NOV03	0
..D36272	*	18	18	0	PR		CLEAN BASALT SURFACE AT LOW-LEVEL Hg SOIL AREAS	12AUG03	11SEP03	13AUG03	15SEP03	1
D37119		1	1	0			FIELD/CONFIRM SAMPLING TCLP & LOW-LEVEL Hg SOIL	15SEP03	15SEP03	24SEP03	24SEP03	6
..D37120	*	1	1	0	SU		FIELD ANALYSIS TCLP & LOW-LEVEL Hg SOIL	16SEP03	16SEP03	25SEP03	25SEP03	6
..D37119	*	1	1	0	PR		FIELD/CONFIRM SAMPLING TCLP & LOW-LEVEL Hg SOIL	15SEP03	15SEP03	24SEP03	24SEP03	6
D37120		1	1	0			FIELD ANALYSIS TCLP & LOW-LEVEL Hg SOIL	16SEP03	16SEP03	25SEP03	25SEP03	6
..D37121	*	21	21	0	SU		CONFIRMATION ANALYSIS TCLP & LOW-LEVEL Hg SOIL	17SEP03	15OCT03	29SEP03	27OCT03	8

ACTIVITY ID		ORIG DUR	REM DUR	%			ACTIVITY DESCRIPTION	EARLY START	EARLY FINISH	LATE START	LATE FINISH	TOTAL FLOAT
..D37120	*	1	1	0	PR		FIELD ANALYSIS TCLP & LOW-LEVEL Hg SOIL	16SEP03	16SEP03	25SEP03	25SEP03	6
D37121		21	21	0			CONFIRMATION ANALYSIS TCLP & LOW-LEVEL Hg SOIL	17SEP03	15OCT03	29SEP03	27OCT03	8
..D37122	*	10	10	0	SU		VALIDATION TCLP & LOW-LEVEL Hg SOIL	16OCT03	29OCT03	28OCT03	10NOV03	8
..D37121	*	21	21	0	PR		CONFIRMATION ANALYSIS TCLP & LOW-LEVEL Hg SOIL	17SEP03	15OCT03	29SEP03	27OCT03	8
D37122		10	10	0			VALIDATION TCLP & LOW-LEVEL Hg SOIL	16OCT03	29OCT03	28OCT03	10NOV03	8
..D38181		4	4	0	SU		PLACE PIT RUN GRAVEL AT LOW-LEVEL Hg SOIL AREAS	11NOV03	17NOV03	11NOV03	17NOV03	0
..D36290		2	2	0	PR		PROJECT DEMOBILIZATION - EXCAVATION	17SEP03	18SEP03	30SEP03*	1OCT03	7
..D36299		0	0	0	PR		DEMO. EXCAVATION, & BASALT CLEANING COMPLETE		11SEP03		24SEP03*	7
..D38330	*	2	2	0	PR		CORRECT ANY DEFICIENCIES NOTED IN PRE-FINAL INSP	21OCT03	22OCT03	21OCT03	22OCT03	0
D38000		0	0	0			BEGIN CFA-04 POND BACKFILL/REVEGETATION WORK	23OCT03		23OCT03		0
..D38100	*	1	1	0	SU		FIELD PERSONNEL TRAINING - BKFL/REVEGETATION	23OCT03	23OCT03	23OCT03	23OCT03	0
..D38000	*	0	0	0	PR		BEGIN CFA-04 POND BACKFILL/REVEGETATION WORK	23OCT03		23OCT03		0
D38100		1	1	0			FIELD PERSONNEL TRAINING - BKFL/REVEGETATION	23OCT03	23OCT03	23OCT03	23OCT03	0
..D38110	*	1	1	0	SU		PROJECT MOBILIZATION - BACKFILL/REVEGETATION	27OCT03	27OCT03	27OCT03	27OCT03	0
..D38100	*	1	1	0	PR		FIELD PERSONNEL TRAINING - BKFL/REVEGETATION	23OCT03	23OCT03	23OCT03	23OCT03	0
D38110		1	1	0			PROJECT MOBILIZATION - BACKFILL/REVEGETATION	27OCT03	27OCT03	27OCT03	27OCT03	0
..D38130	*	23	23	0	SU SS	0	D&D CONSTRUCTION COORD. DURING BKFL/REVEGETATION	27OCT03	4DEC03	27OCT03	4DEC03	0
..D38140	*	23	23	0	SU SS	0	PHOTOS & VIDEO DURING BACKFILL/REVEGETATION	27OCT03	4DEC03	27OCT03	4DEC03	0
..D38150	*	23	23	0	SU SS	0	FIELD SUPPORT/SUPPLIES DURING BKFL/REVEGETATION	27OCT03	4DEC03	27OCT03	4DEC03	0
..D38160	*	6	6	0	SU		IMPORT PIT RUN GRAVEL FOR LOW-LEVEL Hg SOIL AREA	28OCT03	5NOV03	10NOV03	18NOV03	7
..D38171	*	6	6	0	SU		PLACE PIT RUN GRAVEL AT NON-RAD Hg SOIL AREAS	28OCT03	5NOV03	28OCT03	5NOV03	0
..D38171	*	6	6	0	PR SS	0	PLACE PIT RUN GRAVEL AT NON-RAD Hg SOIL AREAS	28OCT03	5NOV03	28OCT03	5NOV03	0
D38120		20*	20*	0			A-E OVERSIGHT DURING BACKFILL/REVEGETATION	28OCT03	2DEC03	28OCT03	2DEC03	0
..D38200	*	4	4	0	SU FF	0	PLACE GFE WOOD CHIPS AT REVEGETATED AREA	25NOV03	2DEC03	25NOV03	2DEC03	0
..D38110	*	1	1	0	PR SS	0	PROJECT MOBILIZATION - BACKFILL/REVEGETATION	27OCT03	27OCT03	27OCT03	27OCT03	0
D38130		23*	23*	0			D&D CONSTRUCTION COORD. DURING BKFL/REVEGETATION	27OCT03	4DEC03	27OCT03	4DEC03	0
..D38230	*	1	1	0	SU FF	0	PROJECT DEMOBILIZATION - BACKFILL/REVEGETATION	4DEC03	4DEC03	4DEC03	4DEC03	0
..D38171	*	6	6	0	PR SS	0	PLACE PIT RUN GRAVEL AT NON-RAD Hg SOIL AREAS	28OCT03	5NOV03	28OCT03	5NOV03	0
D38140		21*	21*	0			SAFETY PERSONNEL DURING BKFL/REVEGETATION	28OCT03	3DEC03	28OCT03	3DEC03	0
..D38220	*	1	1	0	SU FF	0	FINAL HOUSEKEEPING, ENSURE PROPER SIGNAGE	3DEC03	3DEC03	3DEC03	3DEC03	0
..D38110	*	1	1	0	PR SS	0	PROJECT MOBILIZATION - BACKFILL/REVEGETATION	27OCT03	27OCT03	27OCT03	27OCT03	0
D38140		23*	23*	0			PHOTOS & VIDEO DURING BACKFILL/REVEGETATION	27OCT03	4DEC03	27OCT03	4DEC03	0
..D38230	*	1	1	0	SU FF	0	PROJECT DEMOBILIZATION - BACKFILL/REVEGETATION	4DEC03	4DEC03	4DEC03	4DEC03	0
..D38110	*	1	1	0	PR SS	0	PROJECT MOBILIZATION - BACKFILL/REVEGETATION	27OCT03	27OCT03	27OCT03	27OCT03	0
D38150		23*	23*	0			FIELD SUPPORT/SUPPLIES DURING BKFL/REVEGETATION	27OCT03	4DEC03	27OCT03	4DEC03	0
..D38230	*	1	1	0	SU FF	0	PROJECT DEMOBILIZATION - BACKFILL/REVEGETATION	4DEC03	4DEC03	4DEC03	4DEC03	0
..D36241		5	5	0	PR		EXC & HAUL DEEPER Hg SOIL TO ICDF	15JUL03*	22JUL03	16JUL03	23JUL03	1
..D36260		8	8	0	PR		EXC & HAUL LOW-LEVEL Hg SOIL TO ICDF	29JUL03*	11AUG03	30JUL03	12AUG03	1
..D38110	*	1	1	0	PR		PROJECT MOBILIZATION - BACKFILL/REVEGETATION	27OCT03	27OCT03	27OCT03	27OCT03	0
D38160		6	6	0			IMPORT PIT RUN GRAVEL FOR LOW-LEVEL Hg SOIL AREA	28OCT03	5NOV03	10NOV03	18NOV03	7
..D38181		4	4	0	SU SS	1	PLACE PIT RUN GRAVEL AT LOW-LEVEL Hg SOIL AREAS	11NOV03	17NOV03	11NOV03	17NOV03	0
..D36260		8	8	0	PR		EXC & HAUL LOW-LEVEL Hg SOIL TO ICDF	29JUL03*	11AUG03	30JUL03	12AUG03	1
..D37114		10	10	0	PR		VALIDATION NON-RAD Hg SOIL/ACM	13AUG03	26AUG03	14OCT03	27OCT03	43
..D38110	*	1	1	0	PR		PROJECT MOBILIZATION - BACKFILL/REVEGETATION	27OCT03	27OCT03	27OCT03	27OCT03	0
D38171		6	6	0			PLACE PIT RUN GRAVEL AT NON-RAD Hg SOIL AREAS	28OCT03	5NOV03	28OCT03	5NOV03	0
..D38120	*	20	20	0	SU SS	0	A-E OVERSIGHT DURING BACKFILL/REVEGETATION	28OCT03	2DEC03	28OCT03	2DEC03	0
..D38140	*	21	21	0	SU SS	0	SAFETY PERSONNEL DURING BKFL/REVEGETATION	28OCT03	3DEC03	28OCT03	3DEC03	0
..D38172	*	2	2	0	SU		GRADE SLOPES/PLACE SOIL AT NON-RAD Hg SOIL AREAS	6NOV03	10NOV03	6NOV03	10NOV03	0
..D38181		4	4	0	SU		PLACE PIT RUN GRAVEL AT LOW-LEVEL Hg SOIL AREAS	11NOV03	17NOV03	11NOV03	17NOV03	0
..D38171	*	6	6	0	PR		PLACE PIT RUN GRAVEL AT NON-RAD Hg SOIL AREAS	28OCT03	5NOV03	28OCT03	5NOV03	0
D38172		2	2	0			GRADE SLOPES/PLACE SOIL AT NON-RAD Hg SOIL AREAS	6NOV03	10NOV03	6NOV03	10NOV03	0
..D38181	*	4	4	0	SU		PLACE PIT RUN GRAVEL AT LOW-LEVEL Hg SOIL AREAS	11NOV03	17NOV03	11NOV03	17NOV03	0
..D38190		2	2	0	SU		PREPARE & SEED POND & DISTURBED AREAS	20NOV03*	24NOV03	20NOV03	24NOV03*	0
..D37118		10	10	0	PR		VALIDATION DEEPER Hg SOIL	5SEP03	18SEP03	28OCT03	10NOV03	37
..D37122		10	10	0	PR		VALIDATION TCLP & LOW-LEVEL Hg SOIL	16OCT03	29OCT03	28OCT03	10NOV03	8

ACTIVITY ID		ORIG DUR	REM DUR	%			ACTIVITY DESCRIPTION	EARLY START	EARLY FINISH	LATE START	LATE FINISH	TOTAL FLOAT
..D38160		6	6	0	PR SS	1	IMPORT PIT RUN GRAVEL FOR LOW-LEVEL Hg SOIL AREA	28OCT03	5NOV03	10NOV03	18NOV03	7
..D38171		6	6	0	PR		PLACE PIT RUN GRAVEL AT NON-RAD Hg SOIL AREAS	28OCT03	5NOV03	28OCT03	5NOV03	0
..D38172	*	2	2	0	PR		GRADE SLOPES/PLACE SOIL AT NON-RAD Hg SOIL AREAS	6NOV03	10NOV03	6NOV03	10NOV03	0
D38181		4	4	0			PLACE PIT RUN GRAVEL AT LOW-LEVEL Hg SOIL AREAS	11NOV03	17NOV03	11NOV03	17NOV03	0
..D38182	*	2	2	0	SU		GRADE SLOPES/PLACE SOIL LOW-LEVEL Hg SOIL AREAS	18NOV03	19NOV03	18NOV03	19NOV03	0
..D38181	*	4	4	0	PR		PLACE PIT RUN GRAVEL AT LOW-LEVEL Hg SOIL AREAS	11NOV03	17NOV03	11NOV03	17NOV03	0
D38182		2	2	0			GRADE SLOPES/PLACE SOIL LOW-LEVEL Hg SOIL AREAS	18NOV03	19NOV03	18NOV03	19NOV03	0
..D38190	*	2	2	0	SU		PREPARE & SEED POND & DISTURBED AREAS	20NOV03*	24NOV03	20NOV03	24NOV03*	0
..D38172		2	2	0	PR		GRADE SLOPES/PLACE SOIL AT NON-RAD Hg SOIL AREAS	6NOV03	10NOV03	6NOV03	10NOV03	0
..D38182	*	2	2	0	PR		GRADE SLOPES/PLACE SOIL LOW-LEVEL Hg SOIL AREAS	18NOV03	19NOV03	18NOV03	19NOV03	0
D38190		2	2	0			PREPARE & SEED POND & DISTURBED AREAS	20NOV03*	24NOV03	20NOV03	24NOV03*	0
..D38200	*	4	4	0	SU		PLACE GFE WOOD CHIPS AT REVEGETATED AREA	25NOV03	2DEC03	25NOV03	2DEC03	0
..D38120	*	20	20	0	PR FF	0	A-E OVERSIGHT DURING BACKFILL/REVEGETATION	28OCT03	2DEC03	28OCT03	2DEC03	0
..D38190	*	2	2	0	PR		PREPARE & SEED POND & DISTURBED AREAS	20NOV03*	24NOV03	20NOV03	24NOV03*	0
D38200		4	4	0			PLACE GFE WOOD CHIPS AT REVEGETATED AREA	25NOV03	2DEC03	25NOV03	2DEC03	0
..D38220	*	1	1	0	SU		FINAL HOUSEKEEPING, ENSURE PROPER SIGNAGE	3DEC03	3DEC03	3DEC03	3DEC03	0
..D38230		1	1	0	SU		PROJECT DEMOBILIZATION - BACKFILL/REVEGETATION	4DEC03	4DEC03	4DEC03	4DEC03	0
..D38140	*	21	21	0	PR FF	0	SAFETY PERSONNEL DURING BKFL/REVEGETATION	28OCT03	3DEC03	28OCT03	3DEC03	0
..D38200	*	4	4	0	PR		PLACE GFE WOOD CHIPS AT REVEGETATED AREA	25NOV03	2DEC03	25NOV03	2DEC03	0
D38220		1	1	0			FINAL HOUSEKEEPING, ENSURE PROPER SIGNAGE	3DEC03	3DEC03	3DEC03	3DEC03	0
..D38299	*	0	0	0	SU		CFA-04 POND BACKFILL/REVEGETATION WORK COMPLETE		3DEC03		3DEC03	0
..D38340	*	1	1	0	SU		PERFORM FINAL INSPECTION	4DEC03	4DEC03	4DEC03	4DEC03	0
..D38130	*	23	23	0	PR FF	0	D&D CONSTRUCTION COORD. DURING BKFL/REVEGETATION	27OCT03	4DEC03	27OCT03	4DEC03	0
..D38141	*	23	23	0	PR FF	0	PHOTOS & VIDEO DURING BACKFILL/REVEGETATION	27OCT03	4DEC03	27OCT03	4DEC03	0
..D38150	*	23	23	0	PR FF	0	FIELD SUPPORT/SUPPLIES DURING BKFL/REVEGETATION	27OCT03	4DEC03	27OCT03	4DEC03	0
..D38200		4	4	0	PR		PLACE GFE WOOD CHIPS AT REVEGETATED AREA	25NOV03	2DEC03	25NOV03	2DEC03	0
..D38299	*	0	0	0	PR		CFA-04 POND BACKFILL/REVEGETATION WORK COMPLETE		3DEC03		3DEC03	0
D38230		1	1	0			PROJECT DEMOBILIZATION - BACKFILL/REVEGETATION	4DEC03	4DEC03	4DEC03	4DEC03	0
..D38350	*	1	1	0	SU		TURN-BACK TO LANDLORD	8DEC03	8DEC03	8DEC03	8DEC03	0
..D38220	*	1	1	0	PR		FINAL HOUSEKEEPING, ENSURE PROPER SIGNAGE	3DEC03	3DEC03	3DEC03	3DEC03	0
D38299		0	0	0			CFA-04 POND BACKFILL/REVEGETATION WORK COMPLETE		3DEC03		3DEC03	0
..D38230	*	1	1	0	SU		PROJECT DEMOBILIZATION - BACKFILL/REVEGETATION	4DEC03	4DEC03	4DEC03	4DEC03	0
..D36230		14	14	0	PR		EXC & HAUL NON-RAD Hg SOIL/ACM TO CFA	16JUN03	9JUL03	17JUN03	10JUL03	1
..D36271		6	6	0	PR		CLEAN BASALT SURFACE AT DEEPER Hg SOIL AREAS	23JUL03	31JUL03	4AUG03	12AUG03	6
..D36272	*	18	18	0	PR		CLEAN BASALT SURFACE AT LOW-LEVEL Hg SOIL AREAS	12AUG03	11SEP03	13AUG03	15SEP03	1
D38300		4	4	0			PREPARE DRAFT CHECKLIST	12SEP03	17SEP03	16SEP03	19SEP03	2
..D38310	*	30	30	0	SU		REVIEW OF DRAFT CHECKLIST BY AGENCIES	18SEP03	17OCT03	20SEP03	19OCT03	2
..D38300	*	4	4	0	PR		PREPARE DRAFT CHECKLIST	12SEP03	17SEP03	16SEP03	19SEP03	2
D38310		30	30	0			REVIEW OF DRAFT CHECKLIST BY AGENCIES	18SEP03	17OCT03	20SEP03	19OCT03	2
..D38320	*	1	1	0	SU		PERFORM PRE-FINAL INSPECTION WITH AGENCIES	20OCT03	20OCT03	20OCT03	20OCT03	0
..D38310	*	30	30	0	PR		REVIEW OF DRAFT CHECKLIST BY AGENCIES	18SEP03	17OCT03	20SEP03	19OCT03	2
D38320		1	1	0			PERFORM PRE-FINAL INSPECTION WITH AGENCIES	20OCT03	20OCT03	20OCT03	20OCT03	0
..D38330	*	2	2	0	SU		CORRECT ANY DEFICIENCIES NOTED IN PRE-FINAL INSP	21OCT03	22OCT03	21OCT03	22OCT03	0
..D38320	*	1	1	0	PR		PERFORM PRE-FINAL INSPECTION WITH AGENCIES	20OCT03	20OCT03	20OCT03	20OCT03	0
D38330		2	2	0			CORRECT ANY DEFICIENCIES NOTED IN PRE-FINAL INSP	21OCT03	22OCT03	21OCT03	22OCT03	0
..D38000	*	0	0	0	SU		BEGIN CFA-04 POND BACKFILL/REVEGETATION WORK	23OCT03		23OCT03		0
..D38220	*	1	1	0	PR		FINAL HOUSEKEEPING, ENSURE PROPER SIGNAGE	3DEC03	3DEC03	3DEC03	3DEC03	0
D38340		1	1	0			PERFORM FINAL INSPECTION	4DEC03	4DEC03	4DEC03	4DEC03	0
..D38350	*	1	1	0	SU		TURN-BACK TO LANDLORD	8DEC03	8DEC03	8DEC03	8DEC03	0
..D38230	*	1	1	0	PR		PROJECT DEMOBILIZATION - BACKFILL/REVEGETATION	4DEC03	4DEC03	4DEC03	4DEC03	0
..D38340	*	1	1	0	PR		PERFORM FINAL INSPECTION	4DEC03	4DEC03	4DEC03	4DEC03	0
D38350		1	1	0			TURN-BACK TO LANDLORD	8DEC03	8DEC03	8DEC03	8DEC03	0
..D38360	*	30	30	0	SU		WRITE DRAFT REMEDIAL ACTION REPORT	9DEC03	27JAN04	9DEC03	27JAN04	0
..D38350	*	1	1	0	PR		TURN-BACK TO LANDLORD	8DEC03	8DEC03	8DEC03	8DEC03	0
D38360		30	30	0			WRITE DRAFT REMEDIAL ACTION REPORT	9DEC03	27JAN04	9DEC03	27JAN04	0

ACTIVITY ID		ORIG DUR	REM DUR	%		ACTIVITY DESCRIPTION	EARLY START	EARLY FINISH	LATE START	LATE FINISH	TOTAL FLOAT
..D38370	*	1	1	0	SU	SUBMIT PRELIM DRAFT RA REPORT TO ORB/DOE-ID	28JAN04	28JAN04	28JAN04	28JAN04	0
..D38360	*	30	30	0	PR	WRITE DRAFT REMEDIAL ACTION REPORT	9DEC03	27JAN04	9DEC03	27JAN04	0
D38370		1	1	0		SUBMIT PRELIM DRAFT RA REPORT TO ORB/DOE-ID	28JAN04	28JAN04	28JAN04	28JAN04	0
..D38380	*	10	10	0	SU	REVIEW OF PRELIM DRAFT RA REPORT BY ORB/DOE-ID	29JAN04	11FEB04	29JAN04	11FEB04	0
..D38370	*	1	1	0	PR	SUBMIT PRELIM DRAFT RA REPORT TO ORB/DOE-ID	28JAN04	28JAN04	28JAN04	28JAN04	0
D38380		10	10	0		REVIEW OF PRELIM DRAFT RA REPORT BY ORB/DOE-ID	29JAN04	11FEB04	29JAN04	11FEB04	0
..D38390	*	10	10	0	SU	RESOLVE/INCORP DRAFT RA REPORT COMMENTS	12FEB04	25FEB04	12FEB04	25FEB04	0
..D38380	*	10	10	0	PR	REVIEW OF PRELIM DRAFT RA REPORT BY ORB/DOE-ID	29JAN04	11FEB04	29JAN04	11FEB04	0
D38390		10	10	0		RESOLVE/INCORP DRAFT RA REPORT COMMENTS	12FEB04	25FEB04	12FEB04	25FEB04	0
..D38400	*	1	1	0	SU	SUBMIT REMEDIAL ACTION REPORT TO AGENCIES	26FEB04	26FEB04	26FEB04	26FEB04	0
..D38390	*	10	10	0	PR	RESOLVE/INCORP DRAFT RA REPORT COMMENTS	12FEB04	25FEB04	12FEB04	25FEB04	0
D38400		1	1	0		SUBMIT REMEDIAL ACTION REPORT TO AGENCIES	26FEB04	26FEB04	26FEB04	26FEB04	0
..D38410	*	45	45	0	SU	REVIEW OF REMEDIAL ACTION REPORT BY AGENCIES	27FEB04	11APR04	27FEB04	11APR04	0
..D38400	*	1	1	0	PR	SUBMIT REMEDIAL ACTION REPORT TO AGENCIES	26FEB04	26FEB04	26FEB04	26FEB04	0
D38410		45	45	0		REVIEW OF REMEDIAL ACTION REPORT BY AGENCIES	27FEB04	11APR04	27FEB04	11APR04	0
..D38420	*	45	45	0	SU	RESOLVE/INCORP AGENCY COMMENTS ON RA REPORT	12APR04	26MAY04	12APR04	26MAY04	0
..D38410	*	45	45	0	PR	REVIEW OF REMEDIAL ACTION REPORT BY AGENCIES	27FEB04	11APR04	27FEB04	11APR04	0
D38420		45	45	0		RESOLVE/INCORP AGENCY COMMENTS ON RA REPORT	12APR04	26MAY04	12APR04	26MAY04	0
..D38430	*	1	1	0	SU	SUBMIT REVISED RA REPORT TO AGENCIES	27MAY04	27MAY04	27MAY04	27MAY04	0
..D38420	*	45	45	0	PR	RESOLVE/INCORP AGENCY COMMENTS ON RA REPORT	12APR04	26MAY04	12APR04	26MAY04	0
D38430		1	1	0		SUBMIT REVISED RA REPORT TO AGENCIES	27MAY04	27MAY04	27MAY04	27MAY04	0
..D38440	*	30	30	0	SU	REVIEW OF REVISED RA REPORT BY AGENCIES	28MAY04	26JUN04	28MAY04	26JUN04	0
..D38430	*	1	1	0	PR	SUBMIT REVISED RA REPORT TO AGENCIES	27MAY04	27MAY04	27MAY04	27MAY04	0
D38440		30	30	0		REVIEW OF REVISED RA REPORT BY AGENCIES	28MAY04	26JUN04	28MAY04	26JUN04	0
..D38450	*	30	30	0	SU	RESOLVE/INCORP AGENCY COMMENTS ON REVISED RA REP	27JUN04	26JUL04	27JUN04	26JUL04	0
..D38440	*	30	30	0	PR	REVIEW OF REVISED RA REPORT BY AGENCIES	28MAY04	26JUN04	28MAY04	26JUN04	0
D38450		30	30	0		RESOLVE/INCORP AGENCY COMMENTS ON REVISED RA REP	27JUN04	26JUL04	27JUN04	26JUL04	0
..D38460	*	1	1	0	SU	ISSUE FINAL REMEDIAL ACTION REPORT TO AGENCIES	27JUL04	27JUL04	27JUL04	27JUL04	0
..D38450	*	30	30	0	PR	RESOLVE/INCORP AGENCY COMMENTS ON REVISED RA REP	27JUN04	26JUL04	27JUN04	26JUL04	0
D38460		1	1	0		ISSUE FINAL REMEDIAL ACTION REPORT TO AGENCIES	27JUL04	27JUL04	27JUL04	27JUL04	0
..D38499	*	0	0	0	SU	PROJECT COMPLETE		27JUL04		27JUL04	0
..D38460	*	1	1	0	PR	ISSUE FINAL REMEDIAL ACTION REPORT TO AGENCIES	27JUL04	27JUL04	27JUL04	27JUL04	0
D38499		0	0	0		PROJECT COMPLETE		27JUL04		27JUL04	0

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	Total Float
D35000	BEGIN CFA-04 POND PROCUREMENT & WORK CONTROL	0	24MAR03		16
D35120	OBTAIN DAVIS-BACON RULING	6	24MAR03	01APR03	16
D35130	LEASE EQUIPMENT & PURCHASE MATERIALS	8	02APR03	15APR03	20
D35140	DEVELOP WORK CONTROL (WCF, WOs, SWPs, ETC.)	12	02APR03	22APR03	16
D35150	ISSUE 14 DAY NOTIFICATION OF START OF CONST.	1	23APR03	23APR03	26
D36000	BEGIN CFA-04 POND DEMO & EXCAVATION WORK	0	04JUN03*		1
D36100	PROJECT MOBILIZATION - EXCAVATION	2	04JUN03	05JUN03	1
D36130	D&D CONSTRUCTION COORD. DURING EXCAVATION	60*	04JUN03	18SEP03	7
D36141	PHOTOS & VIDEO DURING EXCAVATION	60*	04JUN03	18SEP03	7
D36160	FIELD PERSONNEL TRAINING - EXCAVATION	60*	04JUN03	18SEP03	7
D36170	FIELD SUPPORT/SUPPLIES/EQUIP DURING EXCAVATION	60*	04JUN03	18SEP03	7
D36200	REMOVE POWER LINE POLE, PANEL, & CABLE	1	09JUN03	09JUN03	3
D36190	BUILD PLATFORMS FOR TRUCK LINER ACCESS	2	09JUN03	10JUN03	19
D36180	REMOVE EXISTING FENCING	3	09JUN03	11JUN03	1
D36150	SAFETY SUPPORT PERSONNEL DURING EXCAVATION	56*	09JUN03	16SEP03	7
D36210	CLEAR & GRUB	1	12JUN03	12JUN03	1
D36230	EXC & HAUL NON-RAD Hg SOIL/ACM TO CFA	14	16JUN03	09JUL03	1
D36220	TRANSPORTATION & WGS SUPPORT DURING EXCAVATION	32*	16JUN03	11AUG03	1
D37110	FIELD SAMPLING & ANALYSIS DURING EXCAVATION	32*	16JUN03	11AUG03	1
D36120	A-E OVERSIGHT DURING EXCAVATION	50*	16JUN03	11SEP03	1
D37111	FIELD/CONFIRMATION SAMPLING NON-RAD Hg SOIL/ACM	1	10JUL03	10JUL03	34
D36240	EXCAVATE FOR BOTTLES CONTAINING CALCINE	2	10JUL03	14JUL03	1
D37112	FIELD ANALYSIS NON-RAD Hg SOIL/ACM	1	14JUL03	14JUL03	34
D36241	EXC & HAUL DEEPER Hg SOIL TO ICDF	5	15JUL03*	22JUL03	1
D37113	CONFIRMATION ANALYSIS NON-RAD Hg SOIL/ACM	21	15JUL03	12AUG03	43
D36250	EXC & HAUL TCLP SOIL TO ICDF	3	23JUL03*	28JUL03	1
D36271	CLEAN BASALT SURFACE AT DEEPER Hg SOIL AREAS	6	23JUL03	31JUL03	6
D36260	EXC & HAUL LOW-LEVEL Hg SOIL TO ICDF	8	29JUL03*	11AUG03	1
D37115	FIELD/CONFIRMATION SAMPLING DEEPER Hg SOIL	1	04AUG03	04AUG03	29
D37116	FIELD ANALYSIS DEEPER Hg SOIL	1	05AUG03	05AUG03	29
D37117	CONFIRMATION ANALYSIS DEEPER Hg SOIL	21	06AUG03	04SEP03	37
D36272	CLEAN BASALT SURFACE AT LOW-LEVEL Hg SOIL AREAS	18	12AUG03	11SEP03	1
D37114	VALIDATION NON-RAD Hg SOIL/ACM	10	13AUG03	26AUG03	43
D37118	VALIDATION DEEPER Hg SOIL	10	05SEP03	18SEP03	37
D36299	DEMO, EXCAVATION, & BASALT CLEANING COMPLETE	0		11SEP03	7
D38300	PREPARE DRAFT CHECKLIST	4	12SEP03	17SEP03	2
D37119	FIELD/CONFIRM SAMPLING TCLP & LOW-LEVEL Hg SOIL	1	15SEP03	15SEP03	6
D36280	DECONTAMINATE EQUIPMENT	2	15SEP03	16SEP03	7
D37120	FIELD ANALYSIS TCLP & LOW-LEVEL Hg SOIL	1	16SEP03	16SEP03	6



Start Date	24MAR03
Finish Date	27JUL04
Data Date	24MAR03
Run Date	16DEC02 15:43

Early Bar
Float Bar
Progress Bar
Critical Activity

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PN04

Sheet 1 of 2

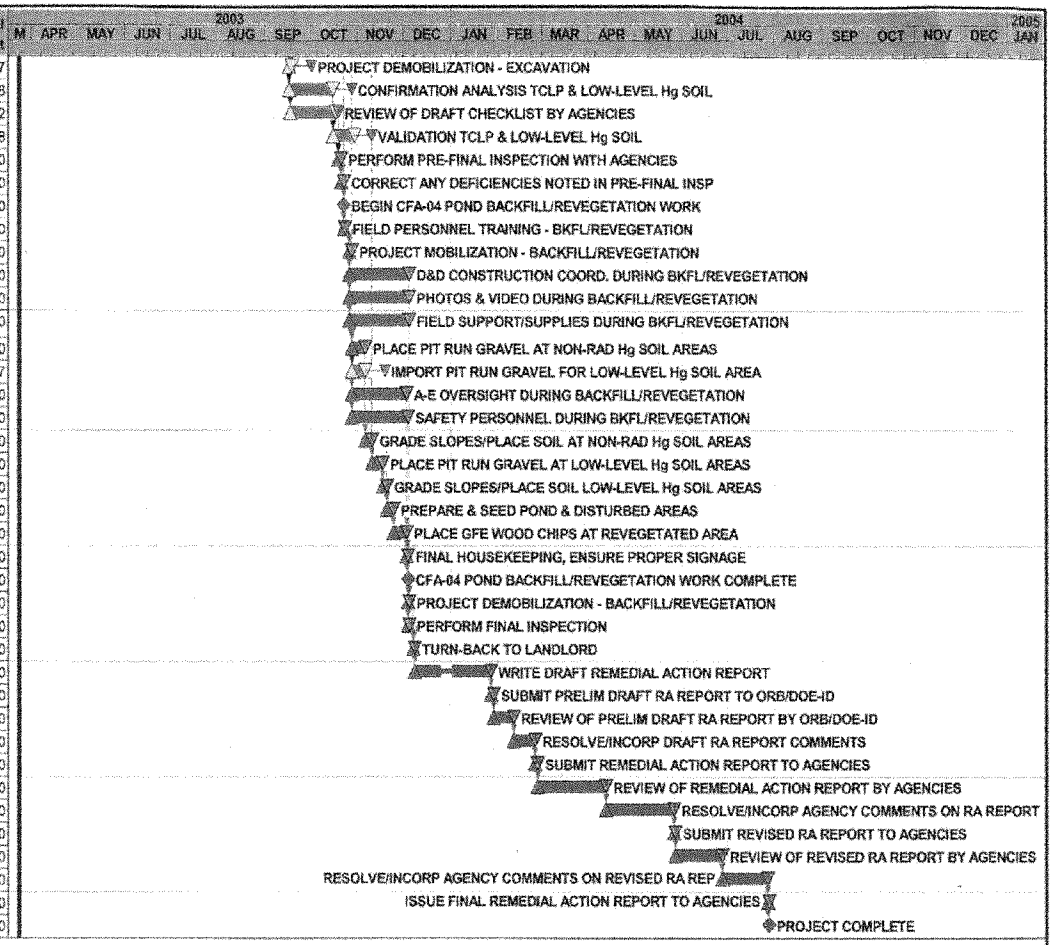
BBWI

CFA-04 MERCURY POND REMEDIAL ACTION

Classic Schedule Layout

Date	Revision	Checked	Approved

Activity ID	Activity Description	Orig Dur	Early Start	Early Finish	Total Float
D38290	PROJECT DEMOBILIZATION - EXCAVATION	2	17SEP03	18SEP03	7
D37121	CONFIRMATION ANALYSIS TCLP & LOW-LEVEL Hg SOIL	21	17SEP03	15OCT03	8
D38310	REVIEW OF DRAFT CHECKLIST BY AGENCIES	30	18SEP03	17OCT03	2
D37122	VALIDATION TCLP & LOW-LEVEL Hg SOIL	10	16OCT03	29OCT03	8
D38320	PERFORM PRE-FINAL INSPECTION WITH AGENCIES	1	20OCT03	20OCT03	0
D38330	CORRECT ANY DEFICIENCIES NOTED IN PRE-FINAL INSP	2	21OCT03	22OCT03	0
D38000	BEGIN CFA-04 POND BACKFILL/REVEGETATION WORK	0	23OCT03		0
D38100	FIELD PERSONNEL TRAINING - BKFL/REVEGETATION	1	23OCT03	23OCT03	0
D38110	PROJECT MOBILIZATION - BACKFILL/REVEGETATION	1	27OCT03	27OCT03	0
D38130	D&D CONSTRUCTION COORD. DURING BKFL/REVEGETATION	23*	27OCT03	04DEC03	0
D38141	PHOTOS & VIDEO DURING BACKFILL/REVEGETATION	23*	27OCT03	04DEC03	0
D38150	FIELD SUPPORT/SUPPLIES DURING BKFL/REVEGETATION	23*	27OCT03	04DEC03	0
D38171	PLACE PIT RUN GRAVEL AT NON-RAD Hg SOIL AREAS	6	28OCT03	05NOV03	0
D38160	IMPORT PIT RUN GRAVEL FOR LOW-LEVEL Hg SOIL AREA	6	28OCT03	05NOV03	7
D38120	A-E OVERSIGHT DURING BACKFILL/REVEGETATION	20*	28OCT03	02DEC03	0
D38140	SAFETY PERSONNEL DURING BKFL/REVEGETATION	21*	28OCT03	03DEC03	0
D38172	GRADE SLOPES/PLACE SOIL AT NON-RAD Hg SOIL AREAS	2	06NOV03	10NOV03	0
D38181	PLACE PIT RUN GRAVEL AT LOW-LEVEL Hg SOIL AREAS	4	11NOV03	17NOV03	0
D38182	GRADE SLOPES/PLACE SOIL LOW-LEVEL Hg SOIL AREAS	2	18NOV03	19NOV03	0
D38190	PREPARE & SEED POND & DISTURBED AREAS	2	20NOV03*	24NOV03	0
D38200	PLACE GFE WOOD CHIPS AT REVEGETATED AREA	4	25NOV03	02DEC03	0
D38220	FINAL HOUSEKEEPING, ENSURE PROPER SIGNAGE	1	03DEC03	03DEC03	0
D38299	CFA-04 POND BACKFILL/REVEGETATION WORK COMPLETE	0		03DEC03	0
D38230	PROJECT DEMOBILIZATION - BACKFILL/REVEGETATION	1	04DEC03	04DEC03	0
D38340	PERFORM FINAL INSPECTION	1	04DEC03	04DEC03	0
D38350	TURN-BACK TO LANDLORD	1	08DEC03	08DEC03	0
D38360	WRITE DRAFT REMEDIAL ACTION REPORT	30	09DEC03	27JAN04	0
D38370	SUBMIT PRELIM DRAFT RA REPORT TO ORB/DOE-ID	1	28JAN04	28JAN04	0
D38380	REVIEW OF PRELIM DRAFT RA REPORT BY ORB/DOE-ID	10	29JAN04	11FEB04	0
D38390	RESOLVE/INCORP DRAFT RA REPORT COMMENTS	10	12FEB04	25FEB04	0
D38400	SUBMIT REMEDIAL ACTION REPORT TO AGENCIES	1	26FEB04	26FEB04	0
D38410	REVIEW OF REMEDIAL ACTION REPORT BY AGENCIES	45	27FEB04	11APR04	0
D38420	RESOLVE/INCORP AGENCY COMMENTS ON RA REPORT	45	12APR04	28MAY04	0
D38430	SUBMIT REVISED RA REPORT TO AGENCIES	1	27MAY04	27MAY04	0
D38440	REVIEW OF REVISED RA REPORT BY AGENCIES	30	28MAY04	26JUN04	0
D38450	RESOLVE/INCORP AGENCY COMMENTS ON REVISED RA	30	27JUN04	26JUL04	0
D38460	ISSUE FINAL REMEDIAL ACTION REPORT TO AGENCIES	1	27JUL04	27JUL04	0
D38499	PROJECT COMPLETE	0		27JUL04	0



Start Date	24MAR03
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Early Bar
Float Bar
Progress Bar
Critical Activity

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PN04 Sheet 2 of 2

BBWI

CFA-04 MERCURY POND REMEDIAL ACTION

Classic Schedule Layout

Date	Revision	Checked	Approved

Appendix G

Environmental Checklist

Idaho National Engineering and Environmental Laboratory

INTEROFFICE MEMORANDUM

Date:	July 16, 2002		
To:	M. J. McGuire	MS 3950	526-4332
From:	W. T. Savkranz	MS 3428	526-4858
Subject:	CERCLA Site CFA-04 Mercury Pond Remediation, Operable Unit 4-13 (CFA-94-010 Rev. 1)		

The Idaho National Engineering and Environmental Laboratory's (INEEL's) National Environmental Policy Act (NEPA) / Environmental Program staff has reviewed the Environmental Checklist (EC) for the proposed action in accordance with INEEL environmental manuals. The attached EC has been revised to include sampling activities.

I have determined the previously approved NEPA document (CFA-94-010) covers the additional scope. Although the project is a CERCLA activity, the original scope of work was determined to be a categorically excluded action. This determination was reviewed and approved by the DOE NEPA Compliance Office and therefore, no additional approval is required.

The revised EC includes instructions from MCP-3480 that project personnel must follow while performing the activities described in the EC. Also, because the project is a CERCLA activity a CERCLA review has been integrated within the revised EC.

Please notify me if any of the information is incorrect or if the project description or scope change. Reference the EC title and number (identified above) for subsequent transmittals regarding this EC.

WTS

Attachment

cc: B. M. Angle, MS 3428
G W. Braun, MS 4109
J. S. Irving, MS 3428
R. M. Mcfarlane, MS 4131
R. A. Montgomery, MS 3428
S. L. Reno, MS 5778
S. G. Wilkinson, MS 3950
W. T. Savkranz (WTS-036-02) File

Uniform File Code: 6101 [CFA-94-010 Rev. 1]
Disposition Authority: ENV2-F-3-A
Retention Schedule: Permanent. Cutoff when project is complete. Transfer to NARA 20 years after cutoff.

ENVIRONMENTAL CHECKLIST

Approved Copy

EC Document No.: CFA-94-010 Rev. 1

DIRECTIONS: The Responsible Manager should complete Sections A through D. The Contractor's Policy and Permitting Organization completes Sections E & F (unless otherwise specified). Refer to MCP-3480 "Environmental Instructions for Facilities, Processes, Materials, and Equipment," Appendix A for instructions to complete this form.

SECTION A. **Descriptive Information:**

Charge Number: 3XCC21101

Project Title: CERCLA Site CFA-04 Mercury Pond Remediation, Operable Unit 4-13

DOE-HQ Program: EM-40 | Project No.:

Performing Organization: BBWI WAG 4 | Date: 6/26/02

Contact	Name	Telephone No.	E-mail
DOE Project Technical Manager:	Glenn E. Nelson	526-0077	nelsonge
Facility Operations Manager:	Gary W. Braun	526-2830	brn
Program/Project Manager:	Stephen G. Wilkinson	526-4150	wilksg
Project/Technical Contact:	Deborah W. Wagoner	526-9989	wigg
Alternative Project/Technical Contact:	Douglas H. Preussner	526-9813	dpres
Environmental Field Support Contact:	Michael J. McGuire	526-4332	mcgumj

SECTION B. **Project Description:** Attach an accurate and concise description of the project or activity. Including type of activity (e.g., new construction, process modification, maintenance, research and development, or work for others), location (e.g., area, building, laboratory), purpose and need, project start and end dates, approximate cost.

SECTION C. **Environmental Aspects / Potential Sources of Impact:** Would the action involve, generate, or result in changes to any of the following? (If Yes, on attachment provide specific potential impact information such as types and amounts of chemicals, waste, effluent, or emissions; size of modification, soil disturbance; or type of tank, equipment, process, or pollution prevention measures).

Source	Yes	No	Source	Yes	No
1. Air Pollutants	X		11. Industrial Waste Generation and Management	X	
2. Asbestos Emissions	X		12. Interaction with Wildlife/Habitat	X	
3. Biological Hazards		X	13. Managing Property and Materials	X	
4. Chemical Use and Storage	X		14. PCB Contamination		X
5. Contaminated Sites Disturbance	X		15. Radioactive Materials Use and Storage		X
6. Cultural/Historical Resource Disturbance	X		16. Radioactive Waste Generation and Management	X	
7. Discharge to Wastewater Systems or Groundwater		X	17. Storage of Hazardous/Rad. Mat. or Waste in Tanks		X
8. Drinking Water Contamination		X	18. Surface Water and Storm Water Contamination	X	
9. Hazardous/Mixed Waste Generation and Management	X		19. Use, Reuse and Recycling of Resources		X
10. Hazardous/Rad. Material or Waste Handling and Trans.	X		20. Work within areas Subject to Flooding		X

SECTION D. **Work Activities:** Select specific work activities using Appendix B in MCP-3480 and check appropriate section numbers on the Work Activity Work Sheet (see next page). Check and do one of the following:

X	If required to submit EC by MCP-3480, Appendix B, do not complete Sections E & F or Signature Block. Submit EC to environmental Management System and Employee Awareness Department, John S. Irving (MS 3428) or E-mail (JS14) for review and approval.
	If not required to submit EC by MCP-3480, Appendix B, complete Sections E & F (check either "Existing EC" or "Does not require an approved EC"), sign & date (in Signature Block), and place copy of EC in project files.

SECTION E. **Instructions and Conditions:** (If Yes, see attachment for instructions.)	Yes	No
1. Instructions from MCP-3480?	X	
2. Conditions Required Before Starting Project?		X

SECTION F. **NEPA Level of Documentation and Reference(s).**

CX:		EA:		EIS:		CERCLA:	X	Previously approved NEPA document, including existing environmental checklist (provide # below):	X	Does not require EC approved by Environmental Affairs (e.g., routine maint., operational activities):	

Reference(s): Central Facilities Area (CFA)-674 Pond Removal Action Site, Operable Unit (OU) 4-05 of Waste Area Group (WAG) 4 at the Idaho National Engineering Laboratory, CFA-94-010, July 12, 1994

Note: For projects checked above as "CX" (Categorical Exclusion) the proposed action must not: 1) threaten a violation of applicable statutory, regulatory, or permit requirements for environmental, safety, and health, including requirements of DOE orders; 2) require siting and construction or major expansion of waste storage, disposal, recovery, or treatment facilities; 3) disturb hazardous substances, pollutants, contaminants, or CERCLA-excluded petroleum and natural gas products that pre-exist in the environment such that there would be uncontrolled or unpermitted releases; 4) adversely affect environmentally sensitive resources. In addition, no extraordinary circumstances related to the proposal exist which would affect the significance of the action, and the action is not "connected" nor " related" (40 CFR 1508.25(a)(1) and (2), respectively) to other actions with potentially or cumulatively significant impacts.

Note: The above paragraph does not apply to EA, EIS, or CERCLA related activities.

SIGNATURE BLOCK. Signature indicates that this form is accurate and complete, to the best of my knowledge.

Wendy Savkranz		7/16/02	526-4858
Printed/Typed Name	Signature	Date	Telephone No.

ENVIRONMENTAL CHECKLIST

Approved Copy

Highlighted Work Activities may require submittal of an Environmental Checklist to Environmental Affairs

EC Document No.: CFA-94-010 Rev. 1

Asbestos

- [X] 4.2 Performing Activities that may Break Up, Dislodge, Disturb or Block Access to Regulated Asbestos-Containing Material
- [X] 4.3 Removing Asbestos-Containing Material

Chemical Products/Chemicals/Hazardous Agents

- [X] 4.4 Purchasing Chemical Products / Chemicals / Hazardous Agents
- [X] 4.5 Using, Storing and Dispositioning Chemical Products / Chemicals / Hazardous Agents

Contaminated Areas - (Radiological, Chemical)

- [X] 4.6 Working in a CERCLA Area of Contamination

Container Storage Facilities

- [ ] 4.7 Constructing or Modifying Facilities that Store Oil in Containers
- [ ] 4.8 Operating Stationary, Portable or Mobile Facilities or Equipment that Store Oil in Containers

Drinking Water

- [ ] 4.9 Constructing or Modifying Drinking Water Systems
- [ ] 4.10 Operating Drinking Water Systems
- [ ] 4.11 Sampling Drinking Water Systems
- [ ] 4.12 Maintaining and Repairing Drinking Water Systems
- [ ] 4.13 Exceeding Permitted or Regulatory Limits-Drinking Water

Facility, Equipment, &/or Process

- [ ] 4.14 Performing Siting Studies for New Buildings or Structures
- [ ] 4.15 Constructing or Modifying Facilities, Equipment, or Processes
- [ ] 4.16 Making Mod. to Facilities, Bldgs. or Equipment as Part of Routine Maint.
- [X] 4.17 Operating Facilities, Equipment, or Processes
- [ ] 4.18 Responding to Regulatory Inspections
- [ ] 4.19 Maintaining and Repairing Facilities, Processes, and Equipment
- [ ] 4.20 Monitoring Storm Water according to the SWPPP for Industrial Activities
- [ ] 4.21 Manufacturing Wood Furniture and Wood Furniture Components
- [ ] 4.22 Removing Brake Pads
- [ ] 4.23 Maintaining Equipment Containing, or Contaminated with PCBs
- [ ] 4.24 Decontaminating Equip. Containing or Contaminated with PCBs
- [ ] 4.25 Preparing Buildings or Facilities being Transferred to Surplus or Placed into Standby (Inactive) Status
- [ ] 4.26 Reactivating Bldg. or Facilities from Standby (Inactive) Status
- [X] 4.27 Deactivating, Decontaminating, Dismantling, or Closing Facilities (including Trailers), Equipment, and Processes

Facility, Equipment, and/or Processes that Emit Air Pollutants

- [ ] 4.28 Relocating Portable Air Emission Sources, or Bringing Portable or Stationary Air Emission Sources onto the INEEL
- [ ] 4.29 Constructing or Modifying Stationary Air Emission Sources
- [ ] 4.30 Starting Up, Shutting Down, or Performing Scheduled Maintenance on Stationary Air Emissions Sources
- [ ] 4.31 Operating Stationary Facilities and Equipment that Emit Air Pollutants
- [ ] 4.32 Operating Stationary Facilities, Processes and Equipment that Emit Radionuclides
- [ ] 4.33 Exceeding Permitted or Regulatory Limits from Stationary Air Emission Sources
- [X] 4.34 Performing Activities with the Potential for Fugitive Dust or Fugitive Emissions
- [ ] 4.35 Conducting Open Burning

Diesel Fuel and Gasoline Pumps

- [ ] 4.36 Purchasing Diesel Fuel
- [ ] 4.37 Maintenance and Repairing Motor Vehicle Gasoline Station Pump

Halon and Appliances Containing Halon

- [ ] 4.38 Maintaining, Testing and Disposing of Halon-Containing Equipment and Halon

Lead

- [ ] 4.39 Removing Lead from Service or from a Structure, or Classifying Newly Discovered Lead
- [ ] 4.40 Using and Storing Product Lead
- [ ] 4.41 Shipping Product Lead Off-site for Direct Reuse (that is, no reclamation) at Another Facility

Refrigerants and Appliances Containing Refrigerants

- [ ] 4.42 Purchasing refrigerants, appliances containing refrigerants, system components that operate using refrigerants, or refrigerant recovery or recycling equipment
- [ ] 4.43 Maintaining, servicing or repairing stationary heating, ventilation, air conditioning and refrigeration (HVACR) equipment
- [ ] 4.44 Maintaining, servicing or repairing motor vehicle air conditioners (MVAC)
- [ ] 4.45 Distributing, excessing or disposing of appliances containing refrigerants

Pesticides and Fertilizers

- [ ] 4.46 Procuring, applying and storing pesticides
- [X] 4.47 Apply fertilizers

Procuring

- [X] 4.48 Procuring goods and services

Property

- [ ] 4.49 Leasing, renting, or transacting real property

Research and Development

- [ ] 4.50 Conducting new, or modifying existing research and development (R&D) activities, including indoor bench-scale and small-scale R&D activities, and small-scale pilot projects

Routine Activities

- [ ] 4.51 Performing routine administrative activities

Sampling, Handling Samples and Disposing of Samples

- [X] 4.98 Preparing to collect CERCLA and D&D&D samples
- [X] 4.99 Collecting CERCLA & D&D&D samples
- [ ] 4.100 Preparing to collect samples (Non-CERCLA or D&D&D)
- [ ] 4.101 Collecting samples for analysis (Non-CERCLA or D&D&D)
- [X] 4.102 Packaging and temporarily storing samples collected to obtain environmental data
- [X] 4.103 Transferring samples to the laboratory
- [X] 4.104 Storing and maintaining samples
- [X] 4.105 Disposing of samples
- [X] 4.106 Reporting CERCLA and D&D&D Characterization data

Septic Tanks

- [ ] 4.52 Constructing or modifying septic tanks or systems
- [ ] 4.53 Discharging to septic tanks or systems
- [ ] 4.54 Maintaining and repairing septic tanks or systems
- [ ] 4.55 Pumping septic tanks and sanitary waste systems
- [ ] 4.56 Abandoning or closing septic tanks

Soils - Disturbing Soil or Altering Stream Channels

- [X] 4.57 Disturbing soils or altering stream channels

Spills and Releases

- [ ] 4.58 Reporting and cleaning up spills and releases
- [ ] 4.58 Oil Spills that cannot be cleaned up within 24 hours
- [ ] 4.59 Cleaning up spills and releases of PCBs

Tanks – Aboveground (AST) & Underground (UST) Storage Tanks

- [ ] 4.60 Constructing or modifying ASTs and non-regulated USTs
- [ ] 4.61 Operating ASTs and non-regulated USTs
- [ ] 4.62 Repairing ASTs and non-regulated USTs
- [ ] 4.63 Changing use or reactivating ASTs and non-regulated USTs
- [ ] 4.64 Discontinuing use of, or closing, relocating, or removing ASTs and non-regulated USTs
- [ ] 4.65 Constructing or modifying regulated UST systems
- [ ] 4.66 Operating and maintaining regulated USTs
- [ ] 4.67 Repairing regulated USTs
- [ ] 4.68 Releases, leaks, spills or unusual operating conditions from regulated USTs
- [ ] 4.69 Changing use or reactivating regulated USTs
- [ ] 4.70 Temporarily discontinuing use of, or temporarily closing regulated USTs
- [ ] 4.71 Discontinuing use of, or closing, relocating or removing regulated USTs permanently
- [ ] 4.72 Operating volatile organic storage tanks

Waste Facilities

- [ ] 4.73 Constructing or modifying facilities, equipment or processes at Permitted or Interim status RCRA facilities
- [ ] 4.74 Operating solid waste management units
- [ ] 4.75 Discontinuing use of, or closing facilities, equipment or processes at RCRA permitted or Interim status units

Wastes

- [X] 4.76 Obtaining laboratory services for EM-funded activities
- [X] 4.77 Procuring off-site waste management and recycling services
- [X] 4.78 Planning to generate wastes
- [X] 4.79 Generating waste
- [X] 4.80 Dispositioning excess materials

Wastewater, City of Idaho Falls

- [ ] 4.81 Constructing or modifying sewage & other wastewater systems
- [ ] 4.82 Discharging new wastewaters or changing discharges to the City of Idaho Falls sewer system
- [ ] 4.83 Discharging wastewater to the City of Idaho Falls sewer system
- [ ] 4.84 Monitoring wastewater discharges to the City of Idaho Falls sewer System
- [ ] 4.85 Exceeding wastewater discharge limits to the City of Idaho Falls sewer System

Wastewater, INEEL Site

- [ ] 4.81 Constructing or modifying sewage & other wastewater systems
- [ ] 4.86 Discharging new wastewaters at the INEEL Site
- [ ] 4.87 Discharging wastewaters at the INEEL Site
- [ ] 4.88 Discharging wastewaters to wastewater land application facilities
- [ ] 4.89 Operating wastewater land application facilities

Water Use and Consumption

- [ ] 4.90 Reporting Water Consumption

Wells - Water Wells, Injection Wells, Well Protection

- [ ] 4.91 Constructing or Modifying Water Wells
- [ ] 4.92 Protecting Wells
- [ ] 4.93 Closing and Abandoning Wells and Boreholes
- [ ] 4.94 Constructing or Modifying Injection Wells
- [ ] 4.95 Operating and Sampling Permitted Injection Wells
- [ ] 4.96 Operating Shallow Injection Wells Not Requiring a Permit
- [ ] 4.97 Closing or Abandoning Injection Wells

Environmental Checklist Attachments

Section B. Project Description (continued): Attach an accurate and concise description of the project or action. Including type of action (e.g., new construction, process modification, maintenance, new activity, research and development, or work for others), purpose and need, pollution prevention and waste minimization measures, projected start and end dates, and approximate cost.

The CFA-04 pond is a shallow, unlined surface depression that was originally a borrow pit for construction activities at the Central Facilities Area. It is approximately 46 x 152m (150 x 500 ft) and roughly 2 to 2.4 m (7 to 8 ft) deep. Basalt outcrops are present within and immediately adjacent to the pond. It received laboratory wastes from the Chemical Engineering Laboratory (CEL) in Building CFA-674 between 1953 and 1969. The CEL was used to conduct calcine experiments on simulated nuclear wastes. The Calcining process was later used on actual nuclear wastes at the INEEL to change them from a liquid to a solid and to effect an overall volume reduction. The CEL experiments used mercury to dissolve simulated aluminum fuel cladding as well as radioisotope tracers in the calcining process. The primary waste streams discharged to the pond from the CEL included approximately 76.5 m^3 (100 yd^3) of mercury-contaminated calcine that contained low-level radioactive wastes and liquid effluent from the laboratory experiments. In addition, there is approximately 382 m^3 (500 yd^3) of rubble consisting of laboratory bottles, asphalt and asbestos roofing materials, reinforced concrete, and construction and demolition debris. The pond received run-off from the CFA site periodically between 1953 and 1995.

The selected remedy for the CFA-04 pond is defined in the Final Comprehensive Record of Decision for Central Facilities Area Operable Unit 4-13 as excavation, treatment by stabilization, and on-INEEL disposal for the mercury-contaminated soils. The buried asbestos roofing materials will also be excavated and removed from the CFA-04 site.

Pre-remediation acitivity soil sampling will be performed at the CFA-04 Pond area in an effort to refine the limits of the vertical extent of contamination, determine the correct treatment method and disposition path for the contaminated soils and determine whether the assumptions used for calculating the preliminary remediation goals are valid. For soil sampling purposes, the CFA-04 Pond area has been subdivided into 14 zones. The zones were defined based upon the source of contamination and similarity of mercury concentrations. For all zones within the pond area, the sources of contamination are assumed to be waste calcine disposed to the pond, as well as mercury-containing waste water that was pumped to the pond and allowed to percolate down through the pond sediments. Zone 11 also contains asbestos-containing roofing materials that pose a potential hazard to sampling team members. Mitigation of these potential hazards to personnel are addressed and identified in the site Health and Safety Plan.

Soil samples will be collected in accordance with the procedures delineated in TPR-6559, "Sampling with a Hollow-Stem Auger" and the approved Field Sampling Plan (DOE/ID-10994, June 2002). The depth of soil samples will vary from ground surface to 11' (depending upon refusal). The samples will be placed in certified, pre-cleaned sample containers with appropriate labeling affixed. The samples will then be shipped in accordance with all applicable regulations to an approved and certified off-site laboratory.

The results from pre-remediation sampling will aid in the determination of the extent of soil excavation required at the CFA-04 site. Detailed information concerning the location and amounts of soils to be excavated will be provided in the CFA-04 Remedial Design/Remedial Action Work Plan. The mercury in some areas of the pond is primarily from wind-blown contamination and the soil is assumed to not contain bulk calcine areas.

Heavy equipment will be employed in excavating the soils at the CFA-04 site. Soils will be loaded into burrito bags and placed inside roll-off containers. The bags will be sealed and the containers hauled to the ICDF for storage, treatment, and/or disposal.

Besides excavation and removal of contaminated soils and buried roofing materials, general site cleanup will occur. Miscellaneous construction debris is located throughout the CFA-04 site. This debris will be removed as part of the remediation of the site. Also, soil may be moved around the site to fill in low areas and to smooth out the surface of the pond. After all removal activities are completed, the outside fence around the pond will be disassembled and removed. The area will then be revegetated with native groundcover to match the site's surroundings.

Earthen materials may be required for the reclamation of the CFA pond. If required this material will be taken from an approved INEEL Borrow Source (potential sources include the CFA Gravel Pit, Lincoln Boulevard, and Spreading Area A). Spreading Area A and the Lincoln Boulevard Borrow Source are located within the storm water corridor. The CFA Gravel Pit is not located within the storm water corridor. Any activity conducted at the Spreading Area A borrow source will be conducted in accordance with the substantive requirements of Addendum I, Borrow Sources, of the INEEL Storm Water Pollution Prevention Plan for Industrial Activities, DOE/ID-10431. Earthwork activities (inclusive of reclamation/re-vegetation) to be conducted as part of this CERCLA Remedial Action will be completed in accordance with the substantive requirements of Section 404 of the Clean Water Act. Any soil disturbance within Spreading Area A shall be done in accordance with environmental assessment DOE/EA-1083, New Silt Clay Source Development and Use at the INEEL, dated May 1997.

The project will begin in July 2002 and continue through November 2003. The estimated cost to complete the project is $2.5 million.

Section C. Environmental Aspects (continued): (If you answered Yes to any Section C items, label with Section C Item Number and explain below.)

1. Air Pollutants - The proposed project will generate fugitive dust emissions that will be addressed using both physical and administrative tools. Water and/or soil fixatives will be used to stabilize disturbed areas, stockpiled materials, etc. Work in disturbed areas will be re-evaluated if sustained winds of 25 mph are present at the task site. Work will be stopped if excessive blowing dust is observed, regardless of the wind speed, and the dust hazard will then be mitigated by physical means.

The completion of this project could potentially release radiological contaminants into the air. Radionuclide emission calculations and air modeling are being completed and based upon the results of this modeling appropriate actions will be taken and incorporated into the work control documents. The estimated dose is anticipated to be significantly less than the maximum exposure dose of 10 mrem/yr. The substantive requirements of the Clean Air Act, including the State of Idaho requirements, determined to be applicable or relevant and appropriate will be included in the work plan and will be followed during this project. Estimated emissions will be submitted to EA for inclusion in the Air Emissions Inventory Annual Report upon completion of the project. Contact Harrison Orr at 526-0759 for additional assistance.

2. Asbestos Emissions - Asbestos containing roofing materials are present on the surface and buried within the boundaries of the pond. During this project these materials will be excavated and removed from the CFA-04 site in two phases. Phase I includes the collection and removal of any roofing materials located on the surface of the pond. These materials will be collected and bagged by hand. Phase II consists of excavating, containerizing and removing all buried roofing materials. The two phases are based on previous inspection information related to the friability of the asbestos-containing roofing materials. The materials on the surface of the pond appeared to be friable, as a result of being exposed to the elements and weathering in the pond bottom. For the purposes of this removal action, any roofing materials found on the surface of the pond will be assumed friable. The roofing materials that have remained below the soil surface have remained intact and are determined to be non-friable.

4. Chemical Use and Storage - Fertilizer may be used during this project. In addition, decontamination solutions may be used in accordance with the Health and Safety Plan to decontaminate equipment. Non-hazardous chemical substitutes will be used in the place of hazardous chemicals as long as the non-hazardous substitutes meet the requirements/specifications of the requester. Upon project completion, any unused materials will be made available as excess equipment or material.

5. Contaminated Sites Disturbance - The project activities will disturb the existing vegetation and topsoil in the pond, which is a CERCLA site (OU 4-13). The disturbed vegetation and topsoil will be spread over the extent of the pond.

6. **Cultural / Historical Resource Disturbance** - The mercury pond area was surveyed, but no significant materials were identified (see attached notes from Brenda R. Pace). However, work must halt and the INEEL Cultural Resource Management Office must be contacted immediately if any cultural materials (i.e., bones, obsidian chips or arrowheads, bottles and cans from the turn of the century, etc) are discovered during the project. A clearance for the borrow source (Spreading Area A) was also recommended, as long as the borrow source is used in accordance with the environmental assessment identified in Section B, above, and requests for use are coordinated through Mike Jackson at 526-8872.

9. **Hazardous / Mixed Waste Generation** - It is currently unknown as to the quantity of hazardous waste which will be generated during the completion of this project. Pre-remediation sampling is going to be conducted and dependent upon the results of that effort an estimate of hazardous waste quantities can be made. The vegetation and topsoil present at the surface of the CFA pond may contain various concentrations of mercury. Potentially 100 gallons of decontamination solutions could be generated during the completion of this project for decontamination of equipment. It is anticipated that the excavated soils and asbestos roofing materials will be disposed of at the INEEL CERCLA Disposal Facility (ICDF). Hazardous/mixed waste will be sent to an approved treatment, storage and disposal (TSD) facility or the ICDF.

10. **Hazardous/Radioactive Material and Waste Handling and Transportation** – A hazardous waste determination will be performed on all waste to determine the applicable management practices. Waste streams will be evaluated to implement actions for minimizing waste entering the landfill and maximizing recycling and reuse.

11. **Industrial Waste Generation** – The estimated quantity of industrial waste to be generated during the completion of this project is unknown at this time but is anticipated to include materials used to clean hydraulic spills, personal protection equipment (PPE), vegetation and soils from clearing and other miscellaneous waste. All industrial waste will be disposed of in the INEEL Landfill Complex.

12. **Interaction with Wildlife/Habitat** – The proposed project does not anticipate disturbing soils outside of the existing CFA Pond. A biological evaluation was conducted for the CFA Pond and the borrow sources. The evaluation is attached and includes recommendations such as preparing a plan for controlling weeds.

13. **Managing Surplus Property and Materials** – It is unknown at this time the estimated quantity of any surplus property and/or materials which will result from the completion of this project. All used material will be evaluated using Form 430.19 (WDDF) and dispositioned as appropriate.

16. **Radioactive Waste Generation** – This project may generate minor quantities of low-level radioactive waste, including PPE, plastic sheeting, contaminated equipment, excess materials, and miscellaneous wastes. At this time, no estimated quantity is available. All radioactive waste will be disposed of at the Radioactive Waste Management Complex.

18. **Surface Water and Storm Water Contamination** – The CFA Pond is not located within the INEEL Storm Water Corridor; however, two of the borrow sources are within the corridor. Any activity at Spreading Area A and the Lincoln Borrow Source must be conducted in accordance with substantive requirements of Addendum I, Borrow Sources, of the INEEL Storm Water Pollution Prevention Plan for Industrial Activities, DOE/ID-10431. Addendum I, Borrow Sources, does not address Spreading Area A; however, revision is not required because the activity is associated with CERCLA. In accordance with the FFA/CO (Chapter VII, Section C, Paragraph 7.7), no federal, state or local permits are required to be obtained for this remedial action, since it will be conducted entirely within the boundaries of the INEEL and in accordance with Section 121 of CERCLA, 42 U.S.C. 9621 (FFA/CO, 1991).

Section E. Conditions and Instructions: (Include conditions required before starting project and select applicable Work Activity Instructions from MCP-3480)

Conditions:
None

Instructions:
The Management Control Procedure – 3480 "Environmental Instructions for Facilities, Processes, Materials, and Equipment" provides the environmental instructions for this proposed activity based on the work activities identified in Section D (page 2). Refer to the following sections in MCP-3480 for the appropriate environmental instructions:

4.2 Performing Activities that may Break Up, Dislodge, Disturb or Block Access to Regulated Asbestos-Containing Material
4.3 Removing Asbestos-Containing Material
4.4 Purchasing Chemical Products / Chemicals / Hazardous Agents
4.5 Using, Storing and Dispositioning Chemical Products / Chemicals / Hazardous Agents
4.6 Working in a CERCLA Area of Contamination
4.17 Operating Facilities, Equipment, or Processes
4.27 Deactivating, Decontaminating, Dismantling, or Closing Facilities (including Trailers), Equipment, and Processes
4.34 Performing Activities with the Potential for Fugitive Dust or Fugitive Emissions
4.47 Applying Fertilizers
4.48 Procuring Goods and Services
4.57 Disturbing Soils or Altering Stream Channels
4.76 Obtaining Laboratory Services for EM-Funded Activities
4.77 Procuring Off-Site Waste Management and Recycling Services
4.78 Planning to Generate Waste
4.79 Generating Waste
4.80 Dispositioning Excess Materials
4.98 Preparing to collect CERCLA or D&D&D Samples
4.99 Collecting CERCLA and D&D&D Samples
4.102 Packaging and Temporarily Storing Samples Collected to Obtain Environmental Data
4.103 Transferring Samples to a Laboratory
4.104 Storing and Maintaining Samples
4.105 Disposing of samples
4.106 Reporting CERCLA and D&D&D Characterization Data

The following are facility- or project-specific environmental instructions not found in MCP-3480.
None

Attachment 3 contains the applicable or relevant and appropriate requirements (ARARs) identified for this project. The following were not identified as ARARs.

Work Activities
- N/A

Environmental Aspects
- NESHAPS, 40 CFR 61 Subpart M, Management and Disposal of Asbestos waste CWA 404 requirements for disturbance of stream channels

Non-CERCLA NEPA Commitments – To incorporate NEPA values into the CERCLA process, BBWI will follow the requirements listed below as best management practices.

- Friable asbestos waste will be packaged and disposed in accordance with the general NESHAPS requirement of No Visible Emissions. To aid in meeting this requirement, appropriate substantive sections of 40 CFR 61.145(c) and 40 CFR 61.150 shall be employed.
- If spreading area A is used as a source for fill material, the excavation activities will be performed IAW limitations imposed by existing agreements.

Section F. NEPA Level of Documentation and Reference(s): Central Facilities Area (CFA)-674 Pond Removal Action Site, Operable Unit (OU) 4-05 of Waste Area Group (WAG) 4 at the Idaho National Engineering Laboratory, CFA-94-010, July 12, 1994

Michael J McGuire
Sent by: Michael J Mcguire

07/05/02 09:40 AM

To: Wendy T Savkranz/WSS/CC01/INEEL/US@INEL
cc: John S Irving/JSI4/CC01/INEEL/US@INEL, Deborah J Wagoner/WIGG/CC01/INEEL/US@INEL, Douglas H Preussner/DPRES/CC01/INEEL/US@INEL, Christine Hiaring/HRG/CC01/INEEL/US@INEL
Fax to:
Subject: Cultural Resource Clearance Recommendation

Wendy,

For inclusion in the CFA-674 Pond EC. Thanks.

Michael

----- Forwarded by Michael J Mcguire/MCGUMJ/CC01/INEEL/US on 07/05/2002 09:39 AM -----

Brenda R Pace

07/05/2002 09:18 AM

To: Michael J Mcguire/MCGUMJ/CC01/INEEL/US@INEL
cc:
Fax to:
Subject: Cultural Resource Clearance Recommendation

Hi Michael, thank you for providing information on proposed remedial activities at the CFA-04 Mercury Pond located south of building CFA-674. Archaeological surveys completed in this vicinity in 1985 and again in 2001 have revealed no significant cultural resources within the pond or in a 100 meter-wide zone surrounding it. The Idaho State Historic Preservation Office has concurred that no significant materials are present. Clearance is recommended for the proposed remediation as long as all activities are restricted to this surveyed zone. However, work must halt and the INEEL Cultural Resource Management Office must be contacted immediately if any cultural materials (i.e. bones, obsidian chips or "arrowheads," old bottles or cans, etc.) are discovered during the project. Don't hesitate to give me a call if you have any questions! --Brenda

Brenda Ringe Pace
Registered Professional Archaeologist
INEEL Cultural Resource Management Office
(208) 526-0916 bxr@inel.gov

(from the turn of the century)

Stoller Corporation

July 15, 2002

Mr. Roger L. Twitchell
NEPA Compliance Officer
U. S. Department of Energy
Idaho Operations Office
850 Energy Drive, MS 1216
Idaho Falls, ID 83401-1563

Subject: Cercla Site CFA-04 Mercury Pond Remediation, Operable Unit 4-13 (CFA-94-010 Rev1)

Dear Mr. Twitchell:

This letter provides recommendations in support of NEPA for activities related to the remediation of the CFA-04 Mercury Pond. This area is approximately 46 x 152 m (150 x 500 ft.) and roughly 2 to 2.4 m (7 to 8 ft.) deep and consists of laboratory wastes and rubble.

The proposed action is in an area that is currently disturbed. The vegetation community of the area is classified as sagebrush steppe and vegetation on and surrounding the project area is dominated by introduced species. It is unlikely that the proposed activity will result in significant new disturbance.

Currently, the area surrounding the Mercury Pond consists of an abundance of introduced species such as Kochia, Russian Thistle, Halogeton, and Cheatgrass. In order to avoid the invasion of these species Stoller also recommends that before activities are allowed to begin, a plan for controlling invasive (weed) species be developed and approved. To further reduce the costs and regulatory liabilities associated with revegetation, the area of disturbance should be kept as small as possible.

The area proposed for this activity is likely used by a diverse complement of small mammals, reptiles, and breeding bird species common to the sagebrush steppe. Some former Candidate species for listing as Threatened or Endangered (e.g., ferruginous hawk, loggerhead shrike and sagebrush lizard) are known to use these general areas. Pronghorn and mule deer may also use the surrounding area throughout the year.

It is unlikely the proposed activities will have any measurable impact on species of federal or state concern. There are no federally listed or proposed threatened or endangered species, species of special concern, or records thereof, or designated critical habitat in proximity to the project area, the area of construction of storm water pollution prevention measures, the areas where storm water flows from the project area to the point of discharge, or in proximity to the area where storm water discharges into receiving waters. It is our opinion a biological consultation with the U.S. Fish and Wildlife Service is not necessary for these activities.

If you have any questions regarding this evaluation, please contact me at phone number below or at svilord@stoller.com.

Sincerely,

Sue J. Vilord
Wildlife Biologist
Stoller Corp.
1780 First Street,
Idaho Falls, ID 83401
(208) 525-9358
FAX: (208) 525 -3364

cc: J. D. Depperschmidt, DOE, MS 1216
J. S. Irving, BBWI, MS 3428
W. Savkranz, BBWI, MS 3428
D. W. Wagoner, BBWI, MS 3950
M. J. McGuire, BBWI, MS 3950
Stoller Files

Table 13-1. ARARs and TBCs for the selected remedies for CFA-04, CFA-08, and CFA-10.

Category	Citation	Reason	Relevancy[a]
Action Specific ARARs			
Rules for the Control of Air Pollution in Idaho	Toxic Air Emissions (IDAPA 16.01.01.585 and .586) Fugitive Dust (IDAPA 16.01.01.650 and .651)	The release of carcinogenic and noncarcinogenic contaminants into the air must be estimated before the start of construction, controlled, if necessary, and monitored during excavation and sorting of soil.	A
National Emission Standards for Hazardous Air Pollutants	Radionuclide Emissions from DOE Facilities (40 CFR 61.92)	Requires control of dust during excavation and removal of soil.	A
	Emission Monitoring (40 CFR 61.93)	Limits exposure of radioactive contamination release to 10 mrem/year for the off-Site receptor and establishes monitoring and compliance requirements.	A
Resource Conservation and Recovery Act—Standards Applicable to Generators of Hazardous Waste	Hazardous Waste Determination (IDAPA 16.01.05.006) (40 CFR 262.11)	A hazardous waste determination is required for the soil and any secondary waste generated during remediation. Not an ARAR for CFA-08.	A
	Temporary Units IDAPA 16.01.05.008 (40 CFR 264.553)	Applies to temporary (<1 year) storage or treatment units.	A
	Remediation waste staging piles IDAPA 16.01.05.008 (40 CFR 264.554)	Excavated soils can be temporarily stage prior to disposal.	A
	Storm water discharges during construction 40 CFR 122.26	Will be met during excavation and disposal through engineering controls.	A
	Land disposal restrictions (LDR) IDAPA 16.01.05.011 (40 CFR 268)	Applies only to soils that have triggered placement. Not for CFA-08.	A
	Alternative LDR treatment standards for contaminated soils IDAPA 16.01.05.011 (40 CFR 268.49)	Applies only to soils that have triggered placement, not for CFA-08.	A

Table 13-1. (continued).

Category	Citation	Reason	Relevancy[a]
	Closure and Post Closure Care of Landfills	Although waste in CFA-08 is not RCRA hazardous, the design and maintenance for soil cover will be followed.	B
	40 CFR 264.310(a)(1-5)		
Chemical-specific			
	Hazardous waste characteristics identification IDAPA 16.01.05.005 (40 CFR 261.20–24)	Applies if the soils are excavated and consolidated to facilitate their management and for soils that are treated or placed in a long-term storage unit.	A
Location-Specific ARARs			
National Historic Preservation Act	Historic properties owned or controlled by Federal Agencies (16 USC 4691.2)	The site must be surveyed for cultural and archeological resources before construction and for appropriate actions taken to protect any sensitive resources.	A
	Identifying Historic Properties (36 CFR 800.4)		A
	Assessing Effects (36 CFR 800.5)		A
Native American Graves Protection and Repatriation Act	Custody (25 USC 3002)	The site must be surveyed for cultural and archeological resources prior to construction and for appropriate actions taken to protect any sensitive resources.	A
	Repatriation (25 USC 3005) (43 CFR 10.10)		A
To-be-considered (TBC) guidance			
Radiation protection of the Public and the Environment for CFA-08 only.	(DOE Order 5400.5, Chapter II [1][a,b])	Limits the effective dose to the public from exposure to radiation sources and airborne releases.	B

a. Relevancy:
A = Applicable
B = TBCs are not classified as applicable or relevant and appropriate.
LDR – Land Disposal Restrictions

Idaho National Engineering and Environmental Laboratory

INTEROFFICE MEMORANDUM

Date:	August 13, 2002		
To:	M. J. McGuire	MS 3950	526-4332
From:	W. T. Savkranz	MS 3428	526-4858
Subject:	CERCLA SITE CFA-04 MERCURY POND REMEDIATION, OPERABLE UNIT 4-13 (CFA-94-010 REV. 1) ENVIRONMENTAL CHECKLIST CLARIFICATION		

The subject Environmental Checklist (EC) was approved July 16, 2002. Recently, project personnel requested a clarification and a correction to the original EC be documented. This letter is in response to their request and will be filed with the original EC to document the following changes.

The original EC stated that the asbestos roofing material was assumed to be friable asbestos due to being exposed to the elements and weathering in the pond bottom. However, sample analysis indicated the asbestos is non-friable. The asbestos containing material instructions from MCP-3480 do not change and should be followed by project personnel.

The original EC did not including information regarding Section C., #20, "Work within areas Subject to Flooding". The EC should have included the following information, however, the instructions from MCP-3480 do not change as a result of the additional information.

"The CFA-04 Pond lies in an area where the surrounding ground elevation is approximately 4932 feet msl. This elevation is below the 4941 ft msl peak water surface elevation indicated for the Mackay Dam piping failure during a 100-year flood as described in the report "Flood Routing Analysis for a Failure of Mackay Dam," EGG-EP-7184, by Koslow and Van Haaften, 1986. Thus, for purposes of NEPA compliance, the CFA-04 Pond is within the 100-year floodplain.

Dimensions provided in the EC indicate the CFA-04 Pond is about 600,000 ft^3 which is about 22,200 yd^3 or about 13.8 acre-feet. The volume of material planned for removal is no more than 9,090 $yd^3$of mercury-contaminated materials and about 2,200 yd^3 of asbestos- contaminated materials. The total reservoir release of the postulated 100-year flood event coupled with Mackay Dam failure is 41,850 acre-feet. Thus, the volumes of materials to be removed are insignificant compared to the volumes from a hypothetical flood.

The changes in earthen material volumes within the 100-year floodplain planned for this project represent insignificant impacts on the overall dimensions, elevations, flow volumes, or velocities of the Big Lost River floodplain postulated by Koslow/Van Haaften."

Please notify me if any of the information is incorrect or if the project description or scope change. Reference the EC title and number (identified above) for subsequent transmittals regarding this EC.

WTS

Attachment

cc: B. M. Angle, MS 3428
G. W. Braun, MS 4109
J. R. Giles, MS 3950
N. C. Hutten, MS 3428
J. S. Irving, MS 3428
R. M. Mcfarlane, MS 4131
R. A. Montgomery, MS 3428
S. L. Reno, MS 5778
S. G. Wilkinson, MS 3950
W. T. Savkranz (WTS-046-02) File

Uniform File Code: 6101 [CFA-94-010 Rev. 1]
Disposition Authority: ENV2-F-3-A
Retention Schedule: Permanent. Cutoff when project is complete. Transfer to NARA 20 years after cutoff.

Appendix H

Asbestos Sampling Data and Friability Determination

Jonathan D Roberts

07/30/2002 05:16 PM

To: Deborah J Wagoner/WIGG/CC01/INEEL/US@INEL

cc: Douglas H Preussner/DPRES/CC01/INEEL/US@INEL, John R Giles/GILEJR/CC01/INEEL/US@INEL

Fax to:

Subject: Asbestos Bulk Samples at CFA-04

During the sampling operations at CFA-04, I took three bulk samples of the roofing material to be analyzed for asbestos. These samples came from roofing material that was lying on the pond surface. The roofing material on the surface seemed to be comprised of three different layers or materials. Each of these was sampled. There may be additional layers or materials not represented by these bulk samples since only visible material on the surface was sampled. While taking the samples, I determined the material to be non-friable. The results for all three samples came back positive for chrysotile asbestos. The laboratory report is attached below, which includes descriptions of the material sampled. Please let me know if you have any questions or comments concerning this sampling Jon.

04 Asb Bulk Samples.doc

INEEL
INDUSTRIAL HYGIENE LABORATORY
ANALYTICAL REPORT

AIHA ACCREDITED LABORATORY

P.O Box 1625
Idaho Falls,
Idaho 83415-4129
(208) 526-2510

Date: July 25, 2002	**Report No.:** IHLAB 02-077
Requester: Jonathan Roberts	**Address:** CF 688 Rm 140 / MS 4141
Date Sample(s) Submitted: July 23, 2002	**Date Analysis Completed:** July 25, 2002
Analysis: BULK SAMPLES FOR ASBESTOS	

The samples were analyzed by polarized light microscopy with dispersion staining (PLM/DS) per ACMM 2008 (which is similar to NIOSH 9002 and EPA Method 600/M4-82-020. The samples were inspected with a stereo microscope, heated to 600 C for 2 ½ hrs. and suspect fibers were manually mounted in their respective refractive index solution. Quantitation was by a visual estimation of the volume.

If a sample contained more than one distinct type of material, each type was evaluated and reported individually. The minimum quantifiable amount is approximately 1% by this method. Asbestos in concentrations below this amount may be detected, but the concentration cannot be determined with any certainty. Thus, asbestos detected in samples at concentrations below 1% are noted as "< 1%".

Please note: Our records of your sample(s) are based on the "Lab ID" number. Please use that number if you have any questions.
The samples flagged WITH AN ASTERISK (*) by the "Sample ID" number CONTAIN ASBESTOS.

ANALYTICAL RESULTS

PROJECT # **Location CFA #04** **Date** 7/22/02

Sample ID	Lab Id	Description	Composition
CFA-04 #1*	2002-489	Black and brown hunk of weathered bldg. material with tar-like substance present.	**4% Chrysotile*** 12% Cellulose 15% Fiberglass 15% Assorted fine particles 54% Black organic binder
CFA-04 #2*	2002-490	Weathered material looks like transite board with tar-like substance added for a binder	**25% Chrysotile*** 5% Cellulose 30% Assorted fine particles 40% Black organic binder

ANALYZED BY: SAS(signature on file) July 25, 2002
Signature Date

REVIEWSED BY: DRB(signature on file) Lab. Dir. July 25, 2002
Signature (Title) Date

INEEL
INDUSTRIAL HYGIENE LABORATORY
ANALYTICAL REPORT

P.O Box 1625
Idaho Falls,
Idaho 83415-4129
(208) 526-2510

Date: July 25, 2002	**Report No.:** IHLAB 02-077
Requester: Jonathan Roberts	**Address:** CF 688 Rm 140 / MS 4141
Date Sample(s) Submitted: July 23, 2002	**Date Analysis Completed:** July 25, 2002
Analysis: BULK SAMPLES FOR ASBESTOS	

CFA-04#3	2002-491	Weathered material looks like a mix of dirt, tar and tar paper laced with chrysotile.	**10% Chrysotile*** 2% Paint 5% Cellulose 23% Assorted fine particles 60% Black organic binder

ANALYZED BY: SAS(signature on file) July 25, 2002
Signature Date

REVIEWSED BY: DRB(signature on file) Lab. Dir. July 25, 2002
Signature (Title) Date

Appendix I

Archaeological and Historic Properties Clearance

INEEL

NOTE

Brenda R Pace 06/01/2000 01:29:51 PM

To: Gregory B Cotten/GBC2/CC01/INEEL/US@INEL
cc:
Subject: Archaeological Clearance Recommendation

Hi Greg,
Thank you for providing information to facilitate a cultural resources review of three Central Facilities Area (CFA) sites proposed for remediation (CFA-04 Pond, CFA-08 Sewage Treatment Plant Drainfield, CFA-10 Transformer Yard). The results of my review are as follows:

On April 13 and June 1, 2000, we completed an intensive walkover of a 100 meter-wide zone surrounding the CFA-04 Pond. No sensitive cultural materials were observed in this area, so ground disturbance there should have no effect on significant remains. Clearance is recommended for all activities provided that standard stop work procedures are implemented if cultural materials (i.e. bones, flakes of obsidian, "arrowheads" or other stone tools, etc.) are unexpectedly encountered.

The CFA-08 Sewage Plant and associated Drainfield (plus 100 meter-wide buffer zones) are located entirely within areas that were intensively surveyed for cultural resources in 1985 and 1989. Since no sensitive cultural materials were observed in either area during these earlier investigations, the proposed activities should again have no effect on significant cultural remains. Clearance is recommended with standard stop work precautions.

The CFA-10 Transformer Yard (plus 100 meter-wide buffer zone) is also located within an area that has been previously surveyed for cultural resources. Negative results again make it unlikely that any significant cultural materials will be impacted by remediation in this area. Clearance is again recommended as long as the Stop Work Authority as it applies to cultural resources is recognized.

Thanks for your support of this review. Don't hesitate to contact me at the INEEL Cultural Resource Management Office if you have any questions, concerns, or additional needs. --Brenda-

I-3

IDAHO STATE HISTORICAL SOCIETY
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FOUNDED IN 1881

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Dirk Kempthorne
Governor of Idaho

Steve Guerber
Executive Director

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May 23, 2001

Ms. Brenda Ringe Pace
INEEL
P.O. Box 1625
2525 North Fremont Ave.
Idaho Falls, Idaho 83415

RE: Central Facilities Area Cleanup and Remediation–INEEL
CFA-04 Disposal Pond
CFA-08 Sewage Treatment Plant Drainfield
CFA-10 Transformer Yard

Dear Brenda:

Thank you for sending the report documenting archaeological survey of three areas proposed for cleanup and remediation at the Central Facilities Area (CFA) on the INEEL. The three areas include the Disposal Pond (CFR-04), the Sewage Treatment Plant Drainfield (CFR-08), and the Transformer Yard (CFR-10). The report is thorough and meets the Secretary of Interior's standards.

We agree that isolates 10BT1199, 10BT1706, and 10BT1709 are not eligible for the National Register of Historic Places. With this finding, no historic properties were identified within or adjacent to the project areas. Therefore, we recommend that this cleanup and remediation at CFA proceed as planned. Your office should be notified immediately, however, if archaeological remains are discovered during project construction.

We appreciate your cooperation. If you have any questions, feel free to contact me at 208-334-3847.

Sincerely,

Susan Pengilly Neitzel

Susan Pengilly Neitzel
Deputy SHPO and
Compliance Coordinator

The Idaho State Historical Society is an Equal Opportunity Employer.

I-4

Appendix J

Ordnance Survey Clearance

Hanceford E Clayton
04/06/2000 10:16 AM

To: Gregory B Cotten/GBC2/CC01/INEEL/US@INEL
cc:
Subject: Ordnance Survey for CFA Sites

Greg I reviewed the maps and non of the sites are in ordnance areas. You are cleared from an ordnance perspective to proceed. Please insure that all personnel working on this project have or gets an ordnance briefing.

Appendix K

Safety Category List and
Safety Category Designation and Record

414.70
04/18/2001
Rev. 04

SAFETY CATEGORY LIST

Facility/Program/Project: CFA-04 Pond Remedial Action (CFA-674 Pond)

Life-Cycle Phase: Remediation

Facility Hazard Category/Class: NRASA

Safety Category List Rev. # 0

Prepared by: [signature] — SSC System Engineer — 10/8/02 Date

Concur: E. E. Hoehalte — Safety Analysis Supervisor — 7/23/02 Date

Approved by: [signature] — Facility/Project Manager — 10/2/02 Date

Structure/System/Component Identification	Safety Category (SC, SS, LSC)	Source: (SAR, ASA, BIO, etc.)
CFA-04 Pond (CFA-674 Pond)	NRASA	HAD-211

414.02
04/18/2001
Rev. 04

SAFETY CATEGORY DESIGNATION AND RECORD

Safety Category Evaluation Performed By: Tharan Cook Date: 9/27/02

Facility/Structure/System/Component: CFA-04 Pond (CFA-674 Pond) Hazard Category: NRASA

IDENTIFICATION OF ITEM	SAFETY CATEGORY DESIGNATION	TECHNICAL JUSTIFICATION
CERCLA remedial action at the CFA-04 Pond	Commercial Grade/NRASA	See HAD-211

Note: Identify and record safety category in accordance with MCP-540, and obtain appropriate approvals. Completed and approved form becomes a part of the safety basis documentation.

E. Hochholter	E. Hochholter	9/27/02
Safety Analysis Supervisor Concurrence Printed/Typed Name	Safety Analysis Supervisor Concurrence Signature	Date
R.E. JAMES	R Cyjms	10/2/02
Facility/Program/Project Approval Printed/Typed Name	Facility/Program/Project Approval Signature	Date