

**BROWNFIELDS CLEANUP COOPERATIVE AGREEMENT  
WORK PLAN (addendum)**

**FOR**

*Swinomish Lime Storage Site Cleanup  
Swinomish Reservation, La Conner, Washington  
2 September 2010  
Revised 10 September , 2013*

**Submitted by**

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## **2.5.2 Railroad right-of-way pilings removal.**

**Objective: Removal of the final 13 derelict creosote-treated wood pilings from the tidelands adjacent to the upland portion of the site area in accordance with best practices.**

Lead: Pilings removal contractor.

Funding Source: Cleanup CAG

Estimated Cost: \$6,500

Milestones/deliverables: Pilings/associated structure removed from tidelands at the lime storage site.

Estimated completion date: January 2014

**Objective: Transport and disposal of Creosote-treated piling debris at an approved landfill.**

Lead: Piling removal contractor.

Funding Source: Cleanup CAG

Estimated Cost: Included in the pilings removal costs of \$6,500.

Milestones/deliverables: Receipt for disposal of material at an approved landfill.

Estimated completion date: 2 months after piling removal work is complete.

## **2.6 TASK 6 – DOCK PILINGS WRAP PHASE**

### **2.6.1 Piling Survey.**

**Objective: Conduct diving survey of dock pilings to determine suitability for wrapping.**

Lead: Marine contractor.

Funding Source: Cleanup CAG

Estimated Cost: \$550

Milestones/deliverables: Survey report to Swinomish Project Lead

Estimated completion date: Aug 2013

### **2.6.2 Request for Proposals for Pile Wrapping Project/Contractor selection**

**Objective: Prepare an RFP and Solicit Bids for Pile Wrapping Phase, select contractor and negotiate contract.**

Lead: Swinomish Project Lead.

Funding Source: Swinomish TRP

Estimated Cost: Included in Program Management Costs of Swinomish TRP

Milestones/deliverables: Contractor selection

Estimated completion date: May 2014

### **2.6.3 Environmental Coordination**

**Objective: Conduct required environmental coordination with EPA Region 10**

Lead: Swinomish Project Lead.  
 Funding Source: Swinomish TRP  
 Estimated Cost: Included in Program Management Costs of Swinomish TRP  
 Milestones/deliverables: Permit or equivalent for in water-work  
 Estimated completion date: March 2014

**2.6.4 Wrap Pilings.**

**Objective: Wrap approximately 137 creosote treated wood pilings beneath Swinomish Dock with Commercial Grade PVC barrier material**

Lead: Pile wrapping contractor.  
 Funding Source: Cleanup CAG  
 Estimated Cost: \$50,394.  
 Milestones/deliverables: 137 wrapped pilings.  
 Estimated completion date: September 2014

**1. SCHEDULE AND DELIVERABLES (Revision 1 for grant extension )**

DUE DATE (for grant project/budget period Starting 10/01/13)	ITEM	Send to:			
		EPA PO	STATE	GRANTS	FINANCE
Month 1	Property Profile Form entered in ACRES or submitted to PO	X			
Month 1	Fact sheet - project starting	X			
Month 1	Public Involvement Plan	X			
30 days after Public Involvement plan approved.	ABCA	X			
Month 5	Final Cleanup Plan	X			
Month 7	Remedial Design	X			
Before fieldwork begins	QAPP / Health and Safety Plan	X			

DUE DATE (for grant project/budget period Starting 10/01/13)	ITEM	Send to:			
		EPA PO	STATE	GRANTS	FINANCE
Before field work begins	ESA/NHPA Letter	X			
With Quarterly Progress Report (QPR)	Photos and Lessons Learned	X			
1/31/11, 4/30/11, 7/31/11, 1/31/12, 4/30/12	Quarterly Progress Report (QPR)	X			
Apr 30, Oct 30	MBE/WBE Report -submitted semi-annually for the periods ending March 31 <sup>st</sup> and September 30 <sup>th</sup>	X (copy)		X	
As needed but at least quarterly	Requests for Reimbursement	X(copy)			X
Yearly	Federal Financial Report	X(copy)		X	
Month 12	Soils cleanup complete	X			
Month 30	Pilings removal complete (revised)	X			
Month 48	Pile wrapping complete	X			
Month 49	Fact Sheet- Final Cleanup	X			
Month 49	Final Financial Status Report	X(copy)		X	
Month 49	Closeout Reports with Summary Fact Sheet, Photos, and Lessons Learned	X(copy)		X	

## 2. BUDGET

### 4.1 Budget Table (Revised for 2014 Grant Extension)

#### Project Budget (Cleanup CAG funds)

	<b>Task 1 Project Mgmt</b>	<b>Task 2 Public Involvement Plan (Note 1)</b>	<b>Task 3 Soil Cleanup Planning/Pre- Excavation</b>	<b>Task 4 Soil Cleanup Activities</b>	<b>Task 5 Pilings Removal</b>	<b>Task 6 Pilings Wrapping</b>	
<b>Category</b>	<b>Federal</b>	<b>N/A</b>	<b>Federal</b>	<b>Federal</b>	<b>Federal</b>	<b>Federal</b>	<b>Total</b>
Contractual	\$1,549	N/A	\$13,866	\$39,420	\$64,434	\$50,944	\$170,213
<b>Task Total</b>	<b>\$1,549</b>	<b>N/A</b>	<b>\$13,866</b>	<b>\$39,420</b>	<b>\$64,434</b>	<b>\$50,944</b>	<b>\$170,213</b>

Total Federal: \$170,213  
 Total Cost Share: N/A (Note 2)  
 Total: \$170,213

Notes: 1) Public Involvement costs for this cleanup project are incorporated into the Swinomish TRP cooperative agreement.  
 2) The Tribe's cost share requirement has been waived in this cleanup cooperative agreement.

### 4.2 Budget Narrative

**Task 1:** Completed. Contractual Project Management (contractual) - \$1,549.

\*These are the actual final costs for Task 1. No additional costs are projected.

Sub-tasks included: Site Safety and Health Plan development for soil removal, contractor reporting requirements to tribe, final soil cleanup plan development, remedial design

**Task 2:** Completed. Public Involvement Plan - N/A to cleanup budget

This task and its sub-tasks were performed with TRP funds and did not use cleanup grant funds.

**Task 3:** Completed. Cleanup Planning/Pre-excavation activities - \$13,866

\*These are the actual final costs for Task 3. No additional costs are projected.

**Task 3 Sub-tasks:**

- TAL metals analysis
- TCLP and waste profile analysis
- Dioxin analysis
- Contacting sampling supplies
- Sample shipment
- QA/QC review and reporting

**Task 4:** Completed. Soil Phase Cleanup - \$39,420

\*These are the actual final costs for Task 4. No additional costs are projected.

**Soil Phase Clean-up Sub-tasks:**

Excavation and backfill (fill provided by Tribe for N/C)

Excavation of contaminated soil and debris, loading/unloading backfill (includes erosion control installation):

- Excavator and operator
- Backfill of excavated areas using tribally provided fill (includes erosion control removal):
- Dump truck and operator

**Transport/Disposal of contaminated soil/debris**

- Transport of waste from La Conner, WA to Eastern Washington subtitle D landfill
- Disposal of non-RCRA soils at RCRA subtitle D landfill
- Waste Profiling fee

**Confirmational Sampling**

- Sampling and oversight
- TAL metals analysis
- Dioxin analysis
- Sampling Supplies
- Shipment costs
- QA/QC review and reporting
- Final Reporting (soils)

**Task 5:** Pilings Removal/Disposal - \$64,434

\*\$57,934 was the actual cost for the removal and disposal of 148 pilings already completed

\$6,500 is the estimated cost for the removal of the last 15 derelict pilings within the site area (\$433/piling based on previous experience with the contractor)

**Task 6: Pile Wrapping – \$50,944**

- \$550 of this amount was the actual cost of conducting a pile survey by a marine diver
- The remainder of the cleanup grant funds (\$50,394) can be utilized for pile wrapping.. Until proposals are solicited and bids received for the pile wrapping phase, it will not be clear whether this amount will be sufficient to complete the task. An experienced marine contractor, who has completed pile wrapping projects in this area, and who is familiar with the dock structure, has estimated that this level of funding should be sufficient to complete the task. Pile wrapping materials are estimated to cost approximately \$10,000 for the project (based on manufacturer's catalog prices). There are no substantial equipment costs, therefore \$40,944 available for labor (approximately \$300/piling). This appears adequate to fund this task. Any shortfalls in funding would be addressed through the Tribe.