Letter of Transmittal

Penn E&R
Environmental & Remediation, Inc.

359 North Gate Drive • Warrendale, Pennsylvania 15086 • Phone: (724) 934-3530 • Fax (724) 934-3533

Date: November 9, 2004 **Project No.:** 4000-PA4072-02

To: Mr. John T. Buckley
U.S. Nuclear Regulatory Commission
Document Control Desk
Washington, DC 20555-0001

Re: Kaiser Tulsa Site
Thorium Remediation Project

We are sending you the following item(s):

Quantity	Date	No.	Description
1	November, 2004		RECON Procedure: REC-WP-7-05 Rev 2

These are transmitted as checked below:

- ☐ For your use
- ☒ Enclosed
- ☐ As Requested
- ☐ Under Separate Cover via: _____
- ☐ Return of requested material
- ☒ Other: For your information.

Remarks: On behalf of Kaiser Aluminum & Chemical Corporation, the above referenced procedure is transmitted for your information.

Copy to: Distribution (see attached) **Signed:** Chuck Beatty

If enclosures are not as noted, please notify our office immediately.

NMSS01

Kaiser Plan and Procedure Distribution	
Mr. John T. Buckley US Nuclear Regulatory Commission Document Control Desk Washington, DC 20555-0001	Mr. S Paul Handa Kaiser Aluminum & Chemical Corporation 7311 East 41st Street Tulsa, OK 74145 *(Three copies in one FedEx envelope)*
US Nuclear Regulatory Commission Document Control Desk Washington, DC 20555-0001 *FedEx*	Diana Brown RECON 7311 East 41st Street Tulsa, OK 74145 *FedEx*
Mr. Dwight D. Chamberland Director US Nuclear Regulatory Commission Region IV 611 Ryan Plaza Drive Arlington, TX 76011-8064 *FedEx*	J.W. (Bill) Vinzant, P.E. Regional Environmental Manager Kaiser Aluminum & Chemical Corporation Corporate Environmental Affairs 9141 Interline Avenue, Suite 1A Baton Rouge, LA 70809-1957 *FedEx*
Ms Pamela L. Bishop Sr. Environmental Specialist State of Oklahoma Department of Environmental Quality 707 N. Robinson PO Box 1677 Oklahoma City, OK 73102 (Fed-ex Zip) 73107 (PO Box Zip) *FedEx*	Dr. L Max Scott Rm 1067 Energy, Coast & Environment Building Louisiana State University Baton Rouge, LA 70803-0301 *FedEx*
Ms. Kelly Hunter Burch State of Oklahoma Office of Attorney General 4545 N. Lincoln Boulevard Suite 260 Oklahoma City, OK 73105 *FedEx*	Alvin G. Gutterman Attorney at Law Morgan, Lewis & Bockius LLP 1111 Pennsylvania Avenue, NW Washington, DC 20004 *FedEx*
Mr. Scott Van Loo City of Tulsa 4818 South Ellwood Avenue Tulsa, OK 74107 *FedEx*	Tre Fischer Kaiser Aluminum & Chemical Corporation 5847 San Felipe, #2600 Houston, TX 77057 *FedEx*
Ms. Roberta Fowlkes CCF Associates, LLC 20 Pinnacle Drive Charleston, WV 25311 *FedEx*	Danny Brown RECON PO Box 690708 Houston, Texas 77269 *FedEx*

RECON Procedure: REC-WP-7-05 Rev 02

Loading Railcars

Thorium Remediation Project
Tulsa, Oklahoma

REVISION: 02

EFFECTIVE DATE: November 2004

Approved by: J. W. (Bill) Vinzant – Project Manager
Kaiser Aluminum and Chemical Corporation
Date: 11-8-04

Approved by: Danny P. Brown – Project Manager
Remedial Construction Services, L. P.
Date: 11/4/04

Reviewed by: Jerry Pionessa – Quality Control Supervisor
Remedial Construction Services, L. P.
Date: 11-04-2004

1.0 PURPOSE

The purpose of this procedure is to provide instruction for loading railcars, unloading railcars and for surveying railcar staging area.

2.0 DEFINITIONS

N/A

3.0 PREREQUISITES/PRECAUTIONS/LIMITATIONS

3.1 Review Safe Work Permit (SWP) for safe work practices.

3.2 Only qualified operators will be allowed to operate equipment.

3.3 Initial onsite calibration will be conducted by the manufacturer's representative before scale is put into service. An object will be selected by the manufactures representative to perform daily checks. The object selected will be taken to a certified scale so that the weight of the object can be verified; this documentation will be kept onsite in Recon's project records. Re-calibration will be in accordance with the manufactures specifications.

4.0 EQUIPMENT

4.1 Front End Loader with a "LOADRITE model LD940" bucket scale and "LOADRITE model LD941 Data Module".

4.2 Water Truck(s)

5.0 PROCEDURE

5.1 Calibration of Bucket Scale

5.1.1 A daily check will be done each day that railcars are loaded to verify the bucket scale is within calibration. A Daily Bucket Scale Check Log (Form REC-WP-7-05-1) will be completed and become part of Recon's project records.

5.2 Loading Railcars

5.2.1 Check equipment and fill out Equipment Inspection Form.

5.2.2 Operator will input information into the LD940 data module i.e. ticket number, rail car number, project etc. Then proceed to designated stockpile, begin loading bucket, operator will be responsible for not overloading the bucket to avoid spillage during transport to the rail car. Operator will "ADD" bucket weight as described in LOADRITE Reference Manual and then proceed to rail car and deposit the bucket of material into the rail car. This step will be repeated until the rail car is loaded (98 - 100 tons).

5.2.3 A daily check will be done each day that railcars are loaded to verify the bucket scale is within calibration. A Daily Bucket Scale Check Log (Form REC-WP-7-05-1) will be completed and become part of Recon's project records.

5.3 Unloading Railcars at the Kaiser Site

5.3.1 Railcars exceeding the specified weight limits prior to leaving the Kaiser Site will be unloaded using manual or mechanical means as appropriate. The front end loader operating with a Loadrite model LD940 bucket scale or equivalent will be utilized for weighing the removed material to verify that the overloaded materials have been removed.

6.0 RADIOLOGICAL SURVEY

6.1 Railcar staging area

6.1.1 The railcar staging area shall have contamination surveys conducted as necessary to support site operations, to assess changes in radiological conditions and to evaluate operational readiness of the area.

7.0 REFERENCES

Loadrite Reference Manual

8.0 ATTACHMENTS

Equipment Inspection Form - REC-WP-7-05-1

Daily Bucket Scale Check Log

Equipment and Materials Survey Form

Equipment Inspection Form

Equipment Inspection Form

Thorium Remediation Project
Tulsa, Oklahoma

Job # _____ **Name:** _____

Daily Equipment Check List			Remarks	Hours Last Serviced
Date				
Equipment				
Operator				
				Please note the hour reading recorded on the oil, air, fuel and hydraulic filters on the equipment.
Hour Meter				
Start				
End				
Fluids Check List				
	Ok	**Add**		
Fuel Grease				
Oil				
Brake/Hydraulic				
Water				
Transmission				
Equipment Condition				
	Ok	**Repair**		
Glass				
Horn				
Lights				
Mirrors				
Seat Belt				
Step/Ladder				
Travel Alarm				
Wipers				
Tires				
Belts				
Air Filter				
Fuel Leaks				
Oil Leaks				
Hyd. Cylinders				
Steering				
Brakes				
Hoses				
Fire Extinguisher				

Comments

_____

_____

_____

_____

_____

_____

Form REC-WP-7-05-1

Form REC-WP-7-05-1
Daily Bucket Scale Verification Log

Date	Operators Name	Verified Weight	Recorded Weight	Within Verification Limits Yes/No	Comments

Reviewed by: _____

Equipment and Materials Survey Form

EQUIPMENT AND MATERIALS SURVEY FORM

Page_____of_____

DATE	PURPOSE	SURVEYOR SIGNATURE

#	Area Surveyed	*Direct Reading*				*Removable Readings*			
		α / 100 cm²		βγ/100 cm²		α / 100 cm²		βγ/100 cm²	
		Gross CPM	Sample DPM	Gross CPM	Sample DPM	Gross CPM	Sample DPM	Gross CPM	Sample DPM

Comments

_____

_____

_____

_____

The *maximum* acceptable average areal density for gross α = Fixed 230 dpm / 100 cm²

The *maximum* areal density from a single measurement α = Fixed 700 dpm / 100 cm²

The *maximum* average removable areal density α = Removable 50 dpm / 100cm²

Survey Instrument Data	Direct		Removable	
	α	βγ	α	βγ
Inst. Model				
Serial #				
Cal. Due Date				
Probe Model				
Serial #				
Cal. Due Date				
Bkg. Counts				
Bkg. Count Time				
Bkg. CPM				
Eff./100 cm2				
Area Corr. Factor				
Sample Count Time				
MDC				

SUPERVISOR SIGNATURE

DATE

EQUIPMENT AND MATERIALS SURVEY FORM
(cont.)

Page_____of_____

DATE	PURPOSE	SURVEYOR SIGNATURE

#	Area Surveyed	*Direct Reading*				*Removable Readings*			
		α / 100 cm²		βγ/100 cm²		α / 100 cm²		βγ/100 cm²	
		Gross CPM	Sample DPM	Gross CPM	Sample DPM	Gross CPM	Sample DPM	Gross CPM	Sample DPM

Comments:

SUPERVISOR SIGNATURE | **DATE**