

January 7, 2005

Peter Ribbens  
Remediation Engineer  
Tesoro Alaska Company  
PO Box 3369  
Kenai, Alaska 99611

1850904.010101/14.1

**RE: Corrective Action Work Plan for 2005  
Former Unocal #5785 (Mike's Airport Express),  
9190 Glacier Highway, Juneau, Alaska  
ADEC UST Facility #816; ADEC Reckey #97110023701**

Dear Mr. Ribbens:

This letter presents the 2005 (calendar year) Corrective Action Work Plan for the investigation and/or remediation of contamination at the above referenced site. This 2005 Corrective Action Work Plan will be presented at the annual Alaska Department of Environmental Conservation (ADEC)/Tesoro Alaska Company (Tesoro) work session scheduled for November 15, 2004, at the Anchorage office of MWH.

This letter also provides a summary of the tasks that were completed under the ADEC-approved 2004 Corrective Action Work Plan in the following section. Site plans and historical data tables that will be presented during the November 2004 annual work session are attached.

#### **Work Plan Tasks for 2004**

- Task 1 – Ground Water Monitoring  
Ground water monitoring has been completed for 2004.
- Task 2 – Remediation System Operation and Maintenance  
The operation of the soil vapor extraction (SVE) system was checked on a quarterly basis (including measurement of vacuum, flow, and SVE exhaust), and maintenance provided as needed. A SVE exhaust vapor sample was collected and analyzed on a quarterly basis.
- Task 3 – Install an Air Sparge (AS) System  
Task was postponed allowing further evaluation of groundwater concentrations.
- Task 4 – Release Investigation  
Task was postponed due to changes in interpretation of the location of the groundwater contaminant plume.

The following section presents the proposed tasks for the 2005 Corrective Action Work Plan. The scope of these tasks is based on the results and findings of the monitoring and remediation completed to date at this site.

### **Work Plan Tasks for 2005**

- Task 1 – Ground Water Monitoring  
Sampling locations and analyses are shown on the 2005 Work Plan Schedule below.
- Task 2 – Remediation System Operation and Maintenance  
The operation of the SVE system will be checked on a quarterly basis (including measurement of vacuum and flow, and SVE exhaust with a photoionization detector), and maintenance provided as needed. A SVE exhaust vapor sample may be collected on a quarterly basis and analyzed for the compounds listed in the schedule below, based upon field screening results.

### **2005 Work Plan Schedule**

<b>Work Plan Task</b>		<b>1st Quarter</b>	<b>2nd Quarter</b>	<b>3rd Quarter</b>	<b>4th Quarter</b>
Task 1	G-1, G-4, G-9, and G-11		B, G, I		B, G, I
	G-12, G-13, G-14, G-15, and G-16		B, D, G, I		B, D, G, I
Task 2	Remediation System O&M	V	V	V	V

Key:

AK – Alaska Test Method

B – Benzene, toluene, ethylbenzene, and total xylenes by EPA Method 8021B

D – Diesel range organics by AK102

EPA – U.S. Environmental Protection Agency

G – Gasoline range organics by AK101

I – Indicators, parameters tested include: dissolved oxygen, ferrous iron, oxygen-reduction potential, pH, and temperature

O&M – operation and maintenance

V – Soil vapor extraction system vapors by EPA Methods 8020/8015M

The Corrective Action Work Plan for the year 2005 will be completed by MWH on behalf of Tesoro. Ground water monitoring will be conducted to track migration and trends of contaminants that are present. All sampling activities will be completed in accordance with ADEC's *Underground Storage Tanks Procedures Manual – Standard Sampling Procedures* (November 7, 2002). The methods that will be used for conducting a monitoring event, unless otherwise noted in the monitoring report, will include:

- The static water levels in the monitoring wells will be measured with respect to the top of each well casing. The elevation of the static water level will be based on an arbitrary datum established during a vertical control survey completed by MWH.
- The monitoring wells will not be purged prior to sampling. A new, disposable, Teflon<sup>®</sup> bailer will be used to sample each well. The first bail of water removed from each well will be examined for petroleum odor, sheen, and any other unique physical features.
- Water and vapor samples will be collected in laboratory-supplied sample containers. The samples will be delivered to an ADEC-approved laboratory in accordance with standard chain-of-custody procedures.

- Vapors will be measured with a calibrated photoionization detector.
- Additional water samples will be collected from the monitoring wells and tested in the field for chemical and physical parameters.

We look forward to presenting the work plan during the teleconference on behalf of Tesoro and are prepared to address any questions that may arise during our presentation.

Sincerely,

Michael A. Zidek  
Environmental Scientist

MAZ/klr

Attachment: Site Plans  
Graphs  
Historical Data Tables