



STATE OF WASHINGTON
DEPARTMENT OF ECOLOGY

Northwest Regional Office • 3190 160th Avenue SE • Bellevue, Washington 98008-5452 • (425) 649-7000

October 10, 2007

Ms. Rebecca K. Andresen
ARCADIS BBLES
2300 Eastlake Avenue East, Suite 200
Seattle, WA 98102

Dear Ms. Andresen:

RE: Agreed Order DE 4460 – Unocal Edmonds Bulk Fuel Terminal, Schedule
Extension Request

Ecology approves your schedule extension request as described in your letter to me of October 4, 2007 (attached). The schedule presented in your letter of October 4, 2007 amends the schedule presented in Section 6.3 of Exhibit B (*Work Plan for 2007 Lower Yard Interim Action, Unocal Edmonds Bulk Fuel Terminal*) of Agreed Order DE 4460 and is enforceable under that Order.

Sincerely

A handwritten signature in cursive script that reads "David L. South".

David L. South
Senior Engineer
Toxics Cleanup Program

cc: Kim Jolitz – Chevron EMC
Kynan Patterson – WASHDOT
Katherine Chesick – WASHDOT
Leslie Seffern – AGO
Richard Elliott – Davis Wright Tremaine





David L. South
Senior Engineer
Toxics Cleanup Program
Washington State Department of Ecology
Northwest Regional Office
3190 160th Avenue SE
Bellevue, WA 98008-5452

ARCADIS U.S., Inc
2300 Eastlake Avenue East
Suite 200
Seattle
Washington 98102
Tel 206 325 5254
Fax 206 325 8218
www.arcadis-us.com

Environmental

Subject:
Schedule Extension Request
Agreed Order No DE92TC-N328
Unocal Edmonds Terminal
Edmonds, Washington

Date:
October 4, 2007

Dear Mr. South:

Contact:
Rebecca K Andresen

On behalf of Chevron Environmental Management Company (Chevron), ARCADIS U.S., Inc. (ARCADIS BBLES, formerly known as BBL Environmental Sciences, Inc.) is supervising implementation of the Lower Yard Interim Action at the former Unocal Edmonds Terminal. Mobilization to the site was initiated on July 30, and excavation activities began on August 13, 2007. The start date of the project was delayed due to contracting issues with the contractor selected to perform the work and for the disposal facility, and additional safety training required to assure that the project would be conducted safely and without incident.

Phone:
206 726 4717

Email:
Rebecca.Andresen@
arcadis-us.com

Our ref:
B0045362

Although work at the site has proceeded efficiently since excavation activities were initiated, an increase in the volume of material to be excavated has slowed progress. As of the submittal date of this request, approximately 25,000 tons of soil have been removed from eight of the planned excavations at the site. The original estimate for these eight excavations (based on drawings provided in the Agreed Order), was approximately 18,000 tons. Accordingly, production volumes thus far have been approximately 39% greater than originally estimated.

Due to the on-set of winter weather, and the expectation that soil removal will continue to exceed the estimates in the agreed order, an extension to the schedule is respectfully requested. Soil excavation activities are expected to last into February 2007, with the following assumptions:

- Significant weather delays are not encountered

Imagine the result

- Production continues at an average of 1,000 tons/day (fair-weather production is approximately 1,300 tons/day)
- Total soil excavated from the site does not exceed 85,000 tons (approximately 30% higher than the estimate in the agreed order)
- Approximately one week of production will be lost due to the holidays

The requested schedule change will impact monitoring well installations, and subsequent monitoring and reporting events, although the sediment removal activities are still planned for August-September 2008. When possible, remaining site activities will be conducted within the original proposed time frame. The proposed revised schedule is as follows:

Activity	Completion Date
Product Recovery and Soil Excavation	February 2008
Monitoring Well Installation	March 2008
Groundwater Monitoring (1 st event*)	April 2008
Assessment of Remaining Site Soil Conditions	April 2008
Southwest Lower Yard Assessment (soil boring installation)	March 2008
Sediment Excavation	August - September 2008
Draft Work Plan for Additional Assessment Activities (if required)	May 2008
Draft Interim Action As-Built Report	August 2008
Draft Groundwater Sampling Report (April 2008-April 2009)	June 2009

Draft Interim Action As-Built Report -- Sediment Remediation	December 2008
Draft Groundwater Sampling Report (April 2009-April 2010)	June 2010
Additional Investigation Report (if required)	December 2008

Notes: This schedule is arranged in the order the activities appear in the Agreed Order
* Groundwater sampling will be conducted semi-monthly for two years starting in April 2008

We appreciate your assistance with this matter. If you have any questions or require additional information, please feel free to contact me at 206 726 4717.

Sincerely,

ARCADIS U.S., Inc.



Rebecca K. Andresen, L.G.
Sr. Geologist I

- Copies:
- Kim Jolitz – Chevron EMC
 - Kynan Patterson – WASHDOT
 - Katherine Chesick - WASHDOT