



SoundEarth Strategies, Inc.  
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February 3, 2017

Mr. Dale Myers  
Washington State Department of Ecology  
3190 160<sup>th</sup> Avenue Southeast  
Bellevue, Washington 98008

**SUBJECT:      FOURTH QUARTER 2016 STATUS REPORT**  
**SKS Shell Station Site**  
**3901 Southwest Alaska Street**  
**Seattle, Washington**  
**Project Number: 0914-001**

Dear Mr. Myers:

SoundEarth Strategies, Inc. (SoundEarth) is pleased to present the Washington State Department of Ecology (Ecology) with a First Quarter status report for cleanup at the SKS Shell Station Site (SKS Site). The SKS Site is being cleaned up under Prospective Purchaser Consent Decree #13-2-27556-2, entered on July 29, 2013. The remediation of petroleum contaminated soil and groundwater associated with the SKS Site in compliance with the Decree and Chapter 173-340 of the Washington State Administrative Code is being completed concurrently with the development of a five-story mixed-use building with two-levels of underground parking. Cleanup of the SKS Site was coordinated with remedial activities conducted at the adjacent Huling Brothers Property and Kennedy Family Limited Partnership Property, which is managed separately under the Voluntary Cleanup Program.

#### **FOURTH QUARTER SUMMARY**

As we recently discussed with you, Second and Third Quarter 2016 status reports were not submitted as the Cleanup Action report was prepared during this period. Second and Third Quarter groundwater sampling was conducted on June 24 and September 28, 2016. Concentrations of GRPH and BTEX in groundwater continued to be generally lower in the select compliance wells during the Second and Third Quarter sampling events. The data collected during these post remediation monitoring events also is being evaluated for natural attenuation trends.

SoundEarth submitted a Cleanup Action Report to Ecology on October 21, 2016. EIM data for the cleanup was uploaded in December 2016.

Fourth Quarter groundwater sampling was conducted on December 23, 2016, for the on-Property and off-property compliance wells. Groundwater levels were noted to be approximately 1 to 3 feet lower than previously observed during sampling conducted from 2013 to 2016, which was not anticipated. Concentrations of GRPH and benzene increased in the off-property wells RW03 and MW104. Analytical data also indicated detectable concentrations of GRPH and benzene below cleanup levels in one of the on-Property compliance wells (MW110) where no concentrations had been detected in recent sampling events. Based on the previous several quarters of sampling, the results appeared to correlate directly

with the unusually lower groundwater levels. We plan on conducting additional groundwater monitoring to evaluate why the groundwater levels were unexpectedly lower in the northeast corner of the site. We also do not plan to implement in-situ remedial actions until more is known about the lower groundwater levels, and to evaluate whether the increased concentrations that were observed in RW03, MW104 and MW110, represent an upward trend or not.

### PLANNED FIRST QUARTER 2017 ACTIVITIES

SoundEarth plans to conduct First Quarter groundwater sampling in late February. Groundwater levels and analytical data will be evaluated in regards to the sampling results obtained during the Fourth Quarter 2016 sampling event. The groundwater levels and corresponding data will also be evaluated in accordance with the Cleanup Action Plan.

### Project Schedule

The following summarizes the work conducted to date and the current schedule for anticipated reporting and monitoring work at the SKS Site:

<u>Cleanup Plan Task</u>	<u>Date</u>
UST Fuel Removal and Station Shutdown	Conducted: July 2013
Installation of Shoring for UST removal	Conducted: November 2013
UST System Cleaning and Removal	Conducted: December 2013
Submit UST Removal Report	Conducted: January 2014
Permitting for Wells	Conducted: May 2014
Master Use Permit	Conducted: June 2014
Install Dewatering Wells (8 wells)	Conducted: July 2014
Install West Bounding Well MW107 (post demolition)	Conducted: October 2014
SKS Shell Demolition and Hoist removal	Conducted: October–November 2014
Construct Dewatering System in Right-of-Way wells	Conducted: March 2015
Operate Dewatering System	Conducted: March–June 2015
Contaminated Soil Excavation and Confirmation Sampling	Conducted: March–May 2015
Removal of Three Previously Unknown USTs	Conducted: March 2015
Backfill Excavation and Install Membrane Barrier	Conducted: August–September 2015
Install Compliance Wells MW108, MW109, and MW111	Conducted: September 2015
Prepare Interim Cleanup Action Report	Conducted: December–February 2016
First Quarter Post Cleanup Groundwater Monitoring	Conducted: March 2016
Submit Cleanup Action Report	Conducted: October 2016
Chemical Oxidant Injection (ChemOx)	Planned: 2017 (if needed)
Groundwater Monitoring & Contingent ChemOx Injection	Planned: 2017–018
Groundwater monitoring (as necessary)	Planned: 2017–2021

NOTE:

UST = underground storage tank

**CLOSING**

Please let me know if you would like to meet on site or at your office to discuss any of the specific remedial activities. If you have any questions about the schedule and the cleanup activities, please contact me at 206-306-1900.

Respectfully,

SoundEarth Strategies, Inc.



Rob Roberts  
Senior Scientist

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