

STATE OF ALASKA

**DEPT. OF ENVIRONMENTAL CONSERVATION
DIVISION OF SPILL PREVENTION AND RESPONSE
CONTAMINATED SITES PROGRAM**

SARAH PALIN, GOVERNOR

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File: 310.38.025

March 27, 2009

Rich Rapuzzi
Spenard Builders Supply (SBS)
4412 Lois Drive
Anchorage, Alaska 99517

Re: Record of Decision (ROD) Spenard Builders Supply Barrow
Cleanup Complete Determination-Institutional Controls

Dear Mr. Rapuzzi:

The Alaska Department of Environmental Conservation (ADEC), Contaminated Sites Program, has completed review of the environmental records associated with the Spenard Builders Supply Barrow. Based on the information provided to date, the ADEC has determined that the contaminant concentrations remaining on site do not pose an unacceptable risk to human health or the environment, and no further remedial action will be required as long as the site is in compliance with established institutional controls.

This decision is based on the administrative record for Spenard Builders Supply (SBS) Barrow, which is located in the offices of the ADEC in Anchorage, Alaska. This letter summarizes the decision process used to determine the environmental status of this site and provides a summary of the regulatory issues considered in the Cleanup Complete with Institutional Controls Determination.

Introduction

Site Name and Location:

Spenard Builders Supply Barrow (SBS)
40 NARL Road
Barrow, Alaska 99723

Name and Mailing Address of Contact Party:

Rich Rapuzzi
Spenard Builders Supply
4412 Lois Drive
Anchorage, Alaska 99517

Database Record Key and File Number:

File: 310.38.025

Hazard ID: 25372

Regulatory authority under which the site is being cleaned up:

18 AAC 75

Background

In 2008, a gasoline spill of approximately 150 gallons at a 300 gallon aboveground storage tank impacted the soil adjacent to the SBS warehouse at 40 NARL Road in Barrow.

Contaminants of Concern

During the investigation at this site, soil and samples were analyzed for gasoline range organics (GRO); and benzene, toluene, ethylbenzene, and xylenes (BTEX). Based on these analyses and knowledge of the source area, the following Contaminant of Concern was identified:

- Xylenes

The soil cleanup levels for this site are established in 18 AAC 75.341, Method Two, Table B2 for the Arctic Zone.

<u>Contaminant</u>	<u>Site Cleanup Level (mg/kg)</u>
Xylenes	63

Cleanup Levels

The cleanup levels for petroleum hydrocarbon-contaminated soil on manmade gravel pads and roads in the Arctic Zone are established in 18 AAC 75.341 Method One, Table A2 and 18 AAC 75.341 Method Two Tables B1 and B2.

A number of factors are considered by ADEC when evaluating site specific cleanup levels in the Arctic Zone including:

- human health (ingestion/inhalation);
- ecological impacts (contamination impacting ecological species other than humans);
- groundwater and surface water quality;
- presence of free phase product; and
- any other factors that might cause a deleterious impact to the environment.

In the Arctic Zone, the migration to surface water pathway is evaluated as the primary migration pathway because the migration to groundwater pathway is not considered applicable due to the presence of continuous permafrost. Impacted surface water can adversely affect both human and ecological receptors, depending on the location of the contaminant source, its proximity to surface waters, and water usage in the impacted area. Therefore the migration to surface water pathway is evaluated as a possible risk to human health (drinking water source) and/or for compliance with Alaska Water Quality standards (18 AAC 70). In addition, the migration to surface water is evaluated as a possible exposure pathway for ecological receptors because of the tundra wetland ecosystem that exists throughout the Arctic region. Potential future use of the property must also be taken into account when determining closure status.

Differentiating between a "Cleanup Complete" and a "Cleanup Complete with Institutional Controls" determination will be based on site specific conditions and exposure pathways as determined by ADEC.

Site Characterization and Cleanup Actions

The initial cleanup response on May, 30 2008 included use of absorbent pads, hand excavation of contaminated snow and soil, and removal of a 10 foot by 12 foot area of petroleum impacted soil to a depth of 3 to 4 feet below ground surface (bgs). The excavated soil was taken to the Barrow landfill and the excavation was backfilled with clean fill.

On August 29, 2008, site characterization at the area of the spill included the excavation of the clean fill material to a depth of 3 feet bgs and collection of five soil samples at the depths of the excavation. A soil sample collected from the excavated area at a depth of 3.5 feet bgs contained xylenes up to 81.7 mg/kg. Groundwater was not encountered in the excavation.

Pathway Evaluation

The exposure pathways for human health that were evaluated include the following: ingestion of soil, surface water, and groundwater; indoor and outdoor inhalation of vapors; and direct contact with soil. The ingestion and direct contact pathways may be complete, but the remaining contaminant concentrations do not exceed ingestion and direct contact cleanup levels.

The ingestion of groundwater and migration to surface water pathways are considered incomplete as groundwater is not used a drinking water source and the spill area is not likely to impact surface water that is used as a drinking water source.

The inhalation pathway may be complete, but the exposure risk is acceptable as the remaining contamination is located in the subsurface. Furthermore, the site is located in an industrial zone with no residential receptors.

The exposure pathway analysis above was supported by the most recent ADEC Exposure Tracking Model (ETM) ranking. The ETM results showed all pathways to be either De Minimis or Incomplete.

ADEC Decision

There is contamination remaining above established cleanup levels at Spenard Builders Supply Barrow, but ADEC has determined there is no unacceptable risk to human health or the environment, and this site will be granted a Cleanup Complete – Institutional Controls Determination subject to the following:

1. A Notice of Environmental Contamination will be recorded on the ADEC database to document that there is residual contamination remaining on site above the most stringent ADEC cleanup levels.
2. Any proposal to dispose of soil or groundwater off site requires ADEC approval in accordance with 18 AAC 75.325(i).
3. Movement or use of potentially contaminated soil in a manner that results in a violation of 18 AAC 70 water quality standards is unlawful.
4. SBS must report to the ADEC in accordance with the stipulations listed below.

Reporting Requirements

Because contaminated subsurface soil could pose a risk to receptors, a review of site conditions and current land use, must be conducted and reported to ADEC once every 5 years or as soon as SBS becomes aware of a change in the land use at the site. Land use changes include: change in ownership, movement of soil, or plans to install drinking water wells. Any such land use change may require the ADEC to reevaluate the potential threat to human health or the environment. The report must include a visual observation of the site and any information pertaining to changes in land use during the reporting period. The report should be submitted to the ADEC project manager or the ICUnit@alaska.gov. These reporting requirements and the institutional controls listed above will remain in place until the remaining contaminated soil is removed, or as determined by ADEC.

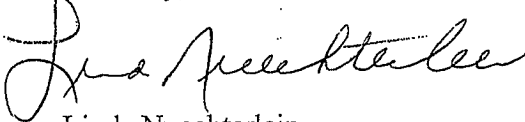
This determination is in accordance with 18 AAC 75.380(d) and does not preclude ADEC from requiring additional assessment and/or cleanup action if future information indicates that this site may pose an unacceptable risk to human health or the environment. Failure to report to the ADEC on a five year basis may result in ADEC reopening this site and requiring further remedial action in accordance with 18 AAC 75.380(d).

Appeal

Any person who disagrees with this decision may request an adjudicatory hearing in accordance with 18 AAC 15.195 -18 AAC 15.340 or an informal review by the Division Director in accordance with 18 AAC 15.185. Informal review requests must be delivered to the Division Director, 410 Willoughby Avenue, Suite 303, Juneau, Alaska 99801, within 15 days after receiving the department's decision reviewable under this section. Adjudicatory hearing requests must be delivered to the Commissioner of the Department of Environmental Conservation, 410 Willoughby Avenue, Suite 303, Juneau, Alaska 99801, within 30 days after the date of issuance of this letter, or within 30 days after the department issues a final decision under 18 AAC 15.185. If a hearing is not requested within 30 days, the right to appeal is waived.

If you have questions about this closure decision, please contact Grant Lidren at (907) 269-8685.

Sincerely,



Linda Nuechterlein
Environmental Manager

Sincerely,



Grant Lidren
Environmental Specialist

Attachment A: Cleanup Complete-ICs Agreement Signature Page

Attachment B: Site Figure

CC: Bart Ahsogeak, Ukpeagvik Iñupiat Corporation (UIC)

Attachment A: Cleanup Complete-ICs Agreement and Signature Page*

Spenard Builders Supply (SBS) agrees to the terms of this Cleanup Complete with ICs determination as stated in this Record of Decision (ROD) document dated March 27, 2009 for the Spenard Builders Supply Barrow, Hazard ID: 25372. Failure to comply with the terms of this agreement may result in ADEC reopening this site and requiring further remedial action in accordance with 18 AAC 75.380(d).

Rich Rapuzzi Asst. Manager 4-13-09
Signature of Authorized Representative, Title
Spenard Builders Supply (SBS)

Rich RAPUZZI Asst. Manager 4-13-09
Printed Name of Authorized Representative, Title
Spenard Builders Supply (SBS)

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CONSERVATION

Note to Responsible Person (RP):

After making a copy for your records, please return a signed copy of this form to the ADEC project manager, Grant Lidren, at the address on this correspondence within 30 days of receipt of this letter. After ADEC has received your signed copy, the Contaminated Sites database will be updated, and this closure decision will then take effect.

*Attention ADEC Administration Staff: Please do not file this form until the ADEC project manager has updated the database.

Attachment B: Site Figure

