SEAN PARNELL, GOVERNOR

DEPT. OF ENVIRONMENTAL CONSERVATION

DIVISION OF SPILL PREVENTION AND RESPONSE
CONTAMINATED SITES PROGRAM

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File: 2333.26.041

November 3, 2010

Ms. Billy Jo Thompson
44224 Sterling Highway, Suite #1
Soldotna, Alaska 99669

Re: Decision Document; Thompson's Soldotna Gas Station
Corrective Action Complete Determination

Dear Ms. Thompson:

The Alaska Department of Environmental Conservation (ADEC), Contaminated Sites Program has completed a review of the environmental records associated with the former Thompson's Soldotna Gas Station site, located in Soldotna, Alaska. Based on the information provided to date, it has been 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 at this time.

This decision is based on the administrative record for this site, which is located in the offices of the ADEC in Soldotna, 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 this Corrective Action Complete determination.

Introduction

Site Name and Location:
Thompson's Soldotna Gas Station
44224 Sterling Highway
Soldotna, Alaska

Name and Mailing Address of Land Owner:
Ms. Billy Jo Thompson
44224 Sterling Highway
Soldotna, AK 99669

ADEC Site Identifiers

Reckey: 1999230014801
File: 2333.26.041
Hazard ID: 23311

Regulatory authority under which the site is being cleaned up:
18 AAC 75 and 18 AAC 78

Background
This site was the location of a retails fuels sales station, and was impacted by gasoline from leaks and/or spills associated with two 10,000-gallon underground fuel storage tanks (USTs) and associated piping and dispenser systems. Both USTs reportedly contained gasoline product during their history of use from 1972 to 1999. During site assessment and cleanup response measures, soil and groundwater samples collected at this site were tested for: gasoline range organics (GRO); and benzene, toluene, ethylbenzene, and xylene (BTEX). The site and adjacent properties are served by City of Soldotna public water and sewer systems.

Site Characterization and Cleanup Actions
The USTs fill lines were removed in 1999, at which time a site assessment and release investigation was conducted. Approximately 45 cubic yards of contaminated soil was excavated and transported offsite to a soil treatment contractor for thermal treatment and disposal. Soil analytical results confirmed that GRO and BTEX soil contamination remained north of the tanks, between the tanks, and at the bottom of the tanks excavation. Additional soil and groundwater assessment efforts occurred in 2003 in order to identify the extent of soil and groundwater contamination, and to ensure that the groundwater was not affected. Analytical results indicated that the groundwater was not contaminated, and an ADEC "No Further Remedial Action Planned" determination was issued on November 26, 2003, with a note that petroleum contaminated soil remained in an area between the two underground storage tanks exceeding the ADEC Method 2 soil cleanup levels.

In 2007, the two USTs, associated piping and dispensers were removed, and an UST system closure site assessment and release investigation was conducted. Approximately 25 cubic yards of additional contaminated soil was excavated, treated using bioremediation, and then spread as a top coat for the alley way immediately behind the facility. The soil sample analytical results indicated that the soils remaining in the former underground storage tank area and the associated fuel piping and dispenser areas met the applicable ADEC soil cleanup levels.

Maximum historical soil contaminant concentrations reported to ADEC during the history of this project were:

benzene	35 mg/kg,
toluene	370 mg/kg,
ethylbenzene	110 mg/kg,
xylenes	580 mg/kg, and
GRO	3,200 mg/kg

Following these corrective action efforts, the soil sample data from this site met the applicable ADEC Method 2 soil cleanup levels.

Contaminants of Concern
During the investigations and corrective action/cleanup work performed at this site, soil and water samples were collected and analyzed for gasoline range organics (GRO), and volatile

organic compounds (VOCs) including benzene, toluene, ethylbenzene, and xylenes (BTEX). Groundwater contamination was never detected. Following the completion of the cleanup measures employed at this site, these Contaminants of Concern were reported to meet the applicable ADEC soil cleanup levels.

Soil Cleanup Levels
The default soil cleanup levels applicable for this site are established in 18 AAC 75.341, Method Two, Tables B1 and B2, Migration to Groundwater.

Pathway Evaluation
Following investigation and cleanup at the site, exposure to any remaining contamination was evaluated using ADEC's Exposure Tracking Model (ETM). Exposure pathways are the conduits by which contamination may reach human or ecological receptors. ETM results show all current pathways to be: Pathway Incomplete. A summary of this pathway evaluation is included in Table 1.

Table 1 – Exposure Pathway Evaluation

Pathway	Result	Explanation
Surface Soil Contact	Pathway Incomplete	Surface soil meets the ADEC soil cleanup level.
Sub-Surface Soil Contact	Pathway Incomplete	Subsurface soil meets that ADEC soil cleanup level.
Inhalation – Outdoor Air	Pathway Incomplete	Surface and subsurface soils meet the most restrictive ADEC soil cleanup levels.
Inhalation – Indoor Air (vapor intrusion)	Pathway Incomplete	Surface and subsurface soils meet the most restrictive ADEC soil cleanup levels.
Groundwater Ingestion	Pathway Incomplete	Groundwater contamination was not detected at this site. Drinking water is supplied by the City of Soldotna.
Surface Water Ingestion	Pathway Incomplete	There is surface water located within ¼ mile of the site; however, this site meets all applicable ADEC soil cleanup standards.
Wild Foods Ingestion	Pathway Incomplete	Contaminants of concern do not have the potential to bioaccumulate in plants or animals.
Exposure to Ecological Receptors	Pathway Incomplete	No exposure to ecological receptors is possible.

Notes to Table 1:"Pathway incomplete" means that in ADEC's judgment contamination has no potential to contact receptors.

ADEC Decision
The assessment and cleanup actions performed at this site included the excavation, removal, and/or treatment of the contaminated soil. Based on the information provided, ADEC has determined no further assessment or cleanup action is required. There is no longer an

unacceptable risk to human health or the environment, and this site will be designated as Corrective Action Complete on the Department's database.

This determination is in accordance with 18 AAC 78.276(f), 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.

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 Corrective Action Complete decision, or any other aspect of this project, you may phone me at (907) 262-5210 x250, or contact me via e-mail at paul.horwath@alaska.gov

Sincerely,

Paul Horwath

Paul Horwath, PE
Environmental Engineer

Cc: Ronald T. Rozak, P.E., Rozak Engineering, Anchorage
Debra & William Jackson, Thompson's Log Gift & Jewelry, Soldotna