



THE STATE
of **ALASKA**
GOVERNOR SEAN PARNELL

Department of Environmental
Conservation

DIVISION OF SPILL PREVENTION & RESPONSE
Contaminated Sites Program

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File: 2100.26.317

August 8, 2012

Jon Clark
Municipality of Anchorage
Maintenance and Operations
P.O. Box 196650
Anchorage, AK 99519-6650

Re: Decision Document; MOA-Fire Station #8
Corrective Action Complete Determination

Dear Mr. Clark;

The Alaska Department of Environmental Conservation, Contaminated Sites Program (ADEC) has completed a review of the environmental records associated with MOA-Fire Station #8 located at 6151 O'Malley Road, Anchorage. 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 this site will be closed.

This decision is based on the administrative record for MOA-Fire Station #8, 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 Corrective Action Complete Determination.

Introduction

Site Name and Location:

MOA-Fire Station #8
6151 O'Malley Road
Anchorage, Alaska 99516

Name and Mailing Address of Contact Party:

Jon Clark
Municipality of Anchorage
Maintenance and Operations
P.O. Box 196650
Anchorage, AK 99519-6650

Database Record Key and File Number:

ADEC Reckey: 199721002202

File: 2100.26.317

Hazard ID: 24101

Regulatory authority under which the site is being cleaned up:

18 AAC 75 and 18 AAC 78

Background

Two underground storage tanks (USTs) were removed from the site in 1995. The subject USTs were one 1,000-gallon diesel UST and one 1,000-gallon gasoline UST. A third 500-gallon waste oil UST and associated piping was removed from the site in 1997. Shannon & Wilson (S&W) provided oversight of the UST removal for both projects. The projects consisted of monitoring the removal of two USTs, pump dispensers and associated piping. S&W screened the soils in the excavation pits, collected soil samples for confirmation sampling and provided the reports to the Municipality of Anchorage (MOA).

Contaminants of Concern

During the investigations at this site, soil samples were analyzed for diesel range organics (DRO); gasoline range organics (GRO); residual range organics (RRO); benzene, toluene, ethylbenzene, and xylenes (BTEX); polychlorinated biphenyls (PCBs); halogenated volatile organics (HVOs) and total metals including: arsenic, cadmium, chromium and lead. Based on these analyses and knowledge of the source area, the following Contaminant of Concern was identified:

- Methylene chloride

Cleanup Levels

The default soil cleanup levels for this site are established in 18 AAC 75.341, Method Two, Tables B1 and B2, Migration to Groundwater (MTG).

<u>Contaminant</u>	<u>MTG Cleanup Level (mg/kg)</u>
• Methylene chloride	0.016

Characterization Activities

During removal of the two 1,000-gallon tanks in 1995, approximately 68 cubic yards of soil were excavated. Confirmation soil samples collected from the bottom and sidewalls of the excavation did not contain contaminants at concentrations above ADEC cleanup levels. Groundwater was not encountered in the excavation. Stockpile samples also did not contain contaminants above ADEC cleanup levels and the soil was spread on site.

During the waste oil tank removal in 1997, approximately 44 cubic yards of soil were excavated. Three analytical soil samples were collected from the bottom and sides of the excavation, approximately 7.5 feet bgs and from the associated piping trench. Confirmation soil samples did not contain contaminants above ADEC cleanup levels except for methylene chloride, which was detected up to 0.36 mg/kg. Groundwater was not encountered in the excavation. Stockpile samples also did not contain contaminants above ADEC cleanup levels and the soil was backfilled into the excavation.

Pathway Evaluation

Following investigation at the site, exposure to the remaining contaminants 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 pathways to be one of the following: De Minimis

Exposure, Exposure Controlled, or Pathway Incomplete. A summary of this pathway evaluation is included in Table 1.

Table 1 – Exposure Pathway Evaluation

Pathway	Result	Explanation
Surface Soil Contact	De Minimis Exposure	Contaminants were not detected above the most stringent ADEC cleanup levels.
Sub-Surface Soil Contact	DeMinimis exposure	Contamination remains in the subsurface, but is below direct contact cleanup levels.
Inhalation – Outdoor Air	De Minimis Exposure	The remaining contamination is below inhalation cleanup levels.
Inhalation – Indoor Air (vapor intrusion)	Pathway Incomplete	7.5 feet of clean fill on top of de minimis concentrations of contaminants indicate this pathway is incomplete.
Groundwater Ingestion	Pathway Incomplete	Groundwater was not encountered during the excavation and is not utilized as a drinking water resource in this area.
Surface Water Ingestion	Pathway Incomplete	Surface water is not utilized as a drinking water source in this area.
Wild Foods Ingestion	Pathway Incomplete	Wild foods are not collected in this area.
Exposure to Ecological Receptors	Pathway Incomplete	There are no complete exposure pathways to ecological receptors at the site.

Notes to Table 1: “De-minimis exposure” means that in ADEC’s judgment receptors are unlikely to be affected by the minimal volume of remaining contamination. “Pathway incomplete” means that in ADEC’s judgment contamination has no potential to contact receptors. “Exposure controlled” means there is an administrative mechanism in place limiting land or groundwater use, or a physical barrier in place that deters contact with residual contamination.

ADEC Decision

Based on the information available, ADEC has determined no further assessment or cleanup action is required. There is no longer a risk to human health or the environment, and this site will be designated as closed on the Department's database.

Although a Corrective Action Complete determination has been granted, ADEC approval is required for off-site soil disposal in accordance with 18 AAC 78.600(h). It should be noted that movement or use of potentially contaminated soil in a manner that results in a violation of 18 AAC 70 water quality standards is unlawful.

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.

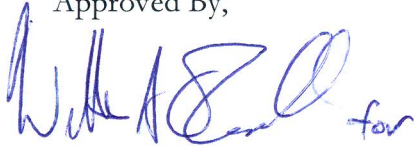
Appeal

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 closure decision, please contact the ADEC project manager, Katrina Chambon at (907) 269-7551.

Approved By,

A handwritten signature in blue ink, appearing to read "Rich Sundet" with a stylized flourish at the end.

Rich Sundet
Environmental Manager

Recommended By

A handwritten signature in blue ink, clearly legible as "Katrina Chambon".

Katrina Chambon
Environmental Program Specialist