STATE OF ALASKA

DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SPILL PREVENTION AND RESPONSE
CONTAMINATED SITES PROGRAM

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File: 102.38.090

June 19, 2009

Michael Schmetzer
City of Fairbanks
800 Cushman Street
Fairbanks, Alaska 99701-4615

Re: Record of Decision (ROD); City of Fairbanks 60K Gallon AGSTs
Cleanup Complete Determination

Dear Mr. Schmetzer:

The Alaska Department of Environmental Conservation (DEC), Contaminated Sites Program has completed a review of the environmental records associated with City of Fairbanks 60K Gallon AGSTs (Former City of Fairbanks Municipal Utilities System Power Plant) located at 1300 First Avenue, Fairbanks, Alaska, which is now owned by Aurora Energy LLC. The legal description is Lot1A, Tract D, Fairbanks Townsite, Section 10, Township 1 South, Range 1 West, Fairbanks Base and Meridian. Based on the information provided to date, DEC 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 DEC administrative record for the site, which is located in the offices of the DEC in Fairbanks, 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 Determination

Introduction

Site Name and Location:
City of Fairbanks 60K Gallon AGSTs
1300 First Avenue
Fairbanks, Alaska 99701

Name and Mailing Address of Contact Party:
Michael Schmetzer
City of Fairbanks
800 Cushman Street
Fairbanks, Alaska 99701-4615

Database Record Key and File Number:
File: 102.38.090
Hazard ID: 1385

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

Background
Petroleum impacted soil was encountered during the removal of three 60,000-gallon diesel #2 above ground storage tanks (AST) and associated piping in 1997 and 1998. Soil and groundwater samples collected at this site have been tested for: diesel range organics (DRO), and benzene, toluene, ethylbenzene and xylene (BTEX).

Characterization and Cleanup Activities
Prior to the first tank removal in 1997, a site assessment was completed by Shannon and Wilson, Inc. Five borings were completed around the tanks. Soil was sampled for total petroleum hydrocarbons (TPH), a precursor to the DRO analysis, and BTEX. Results indicated contamination was focused in the top five feet of the soil column, although there were detectable concentrations down to the water table. Tanks 1 and 3 were removed in 1997 and contamination was found beneath the tanks to approximately six feet below ground surface (bgs). Samples collected from deeper than six feet for DRO and BTEX were below the most conservative Method Two, Table B1 and B2, Migration to Groundwater cleanup levels. Approximately 340 tons of soil above six feet was removed and thermally treated at ESI, Inc. A liner was placed in the excavations prior to backfilling.

Tank 2 was removed in 1998 along with surface contamination identified in 1997 to the northwest of the Tank 1 and to the east of Tank 1 in the pump skid area. Approximately 515 tons of soil was excavated and thermally treated. All confirmation samples were below 100 parts per million for DRO, but field observations suggested limited contamination was remaining beneath the fuel lines near the pump skid. A second mobilization in 1998 removed this remaining contamination and confirmation samples analyzed for DRO and BTEX were all non-detect.

Groundwater contamination was not encountered as part of the release from these tanks. There were other sources and spills in the vicinity that did impacted the groundwater. There was an areawide groundwater evaluation and monitoring is ongoing, but not as part of this site.

Contaminants of Concern
- DRO
- BTEX

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

Contaminant	Site Cleanup Level (mg/kg)
DRO	250
Benzene	0.025
Toluene	6.5
Ethylbenzene	6.9
Xylenes	63

Pathway Evaluation
The exposure pathways for human health that were evaluated include the following: direct contact with soil; indoor and outdoor inhalation of vapors, and groundwater and surface water ingestion. The direct contact with soil and inhalation pathways are potentially complete, but the remaining contaminant concentrations do not exceed the most conservative Method Two "Migration to Groundwater" cleanup levels in Table B2 established in 18 AAC 75.341 and therefore do not represent an unacceptable risk. Groundwater and surface water ingestion exposure pathways are incomplete.

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

ADEC Decision
The cleanup actions to date have served to excavate and adequately remove contaminated soil from the site. Based on the information available, DEC 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 Cleanup Complete determination has been granted, DEC approval is required for off-site soil disposal in accordance with 18 AAC 75.325(i). However, since this site has met the most conservative soil cleanup levels, this letter will serve as your approval for future off-site movement and disposal of soil associated with this release. 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 78.380 (d) and does not preclude DEC 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 cleanup complete decision, please contact the DEC project manager, Ann Farris at (907) 451-2104.

Sincerely,

Ann Farris
Environmental Engineering Associate