

STATE OF ALASKA

TONY KNOWLES, GOVERNOR

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

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July 30, 2002

Mr. Norman Straub
Department of Military and Veterans Affairs
Alaska Army National Guard
Facilities Maintenance Division
Environmental Office, AKNG-ARE
PO Box 5-549
Ft Richardson, Alaska 99505-0549

Re: **ADEC Approval of Final Report/Site Closure**
AKARNG Cheformak Federal Scout Armory
ADEC Database Record key: 1996250125601

Dear Mr. Straub:

The Alaska Department of Environmental Conservation (ADEC) has completed review of a *Final Interim Removal Action Report* for the above-identified site. On January 3, 2002, ADEC received the report prepared by Clearwater Environmental, Inc for the Alaska Army National Guard. The report describes actions taken and the results of an approved interim removal action conducted in accordance with 18 AAC 75.330 at the Cheformak Federal Scout Armory.

The report adequately described the actions taken and provided information to characterize the site in accordance with 18 AAC 75.335. It also contained sufficient information to comply with the final reporting requirements for site closure at 18 AAC 75.380. Therefore, ADEC approves the report.

According to the information provided in the report, four areas were excavated and approximately 47 cubic yards of petroleum-contaminated soil were placed in drums for transport to an approved offsite treatment facility located in Bethel, Alaska. Field screening procedures at the site included the use of a photoionization detector to perform headspace analysis to direct the excavation and soil sample collection activities.

After removal of the contaminated soil, confirmation soil samples were collected for laboratory analysis. The soil samples were analyzed for gasoline range organic (GRO), diesel range organic (DRO), and benzene; toluene; ethyl benzene, and total xylenes using Alaska Methods AK 101 and AK102, and SW-846 Method 8021B.

ADEC approved soil cleanup levels at the AKARNG Cheformak Federal Scout Armory site based on Method one, Category D, as provided in Table A1 of 18 AAC 75.341 and approved

Norman Straub
Alaska Army National Guard
Chefornak Federal Scout Armory
July 30, 2002

in the enclosed copy of the ADEC Record of Decision. The confirmation soil sample analytical results presented in the *Interim Removal Action Report* provided sufficient information to demonstrate that soil at the site met the applicable soil cleanup levels.

The drums of contaminated soil were transported to Bethel via commercial air carrier and thermally treated at a treatment facility operated by the Bethel Native Corporation, Inc. (BNCI). ADEC received a *Post Treatment Report* submitted by BNCI that included the post-treatment soil sampling analytical results of soil samples collected by a qualified, third party. The analytical results confirmed that the treated soil met Category A, Method 1 (Table A1) cleanup levels for petroleum hydrocarbons and met Method 2, Table B1 cleanup levels for benzene, toluene, ethylbenzene, and xylenes (BTEX).

Therefore, based on the information provided, ADEC concludes that the site meets applicable soil cleanup levels and that the cleanup operation is complete. ADEC will update the Contaminated Sites Program database to show the site in a "closed" status. However, if contamination is identified at the site in the future at levels that may pose a risk to human health or the environment, then additional site characterization and cleanup work may be required.

If you have questions regarding this letter, please call me at (907) 269-7550 or send an email to me at scott_pexton@envircon.state.ak.us.

Sincerely,



Scott Pexton
Environmental Specialist

Enclosure: Copy of ADEC Record of Decision

ALASKA DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Division of Spill Prevention and Response
Contaminated Sites Program

RECORD OF DECISION
AKARNG Chefornek Federal Scout Armory
Soil Cleanup Levels

Site Location: Within southwest quarter of Section 20, Township 1 North, Range 86 West, Seward Meridian, Alaska.

Database Record key: 1996250125601

File location: Anchorage office; **File:** AKARNG

Responsible Person: Alaska Army National Guard

Contaminants of Concern/Media Impacted: Gasoline range organic (GRO) and diesel range organic (DRO) hydrocarbons in soil

Regulatory Authorities: Site Cleanup Rules (18 AAC 75.325 - 18 AAC 75.390)

Other relevant guidance/policy: ADEC Underground Storage Tank Procedures Manual dated December 1, 1999 and ADEC Guidance for Cleanup of Petroleum Contaminated Sites dated September 2000.

Maximum reported onsite contaminant concentrations in soil:

Benzene = undetected (PQL exceeded cleanup level in area of concern)

GRO = 240 mg/kg

DRO = 386,000 mg/kg

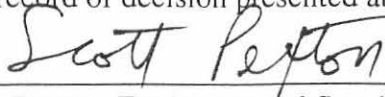
Cleanup Method: Method one at 18 AAC 75.340

Completed routes of exposure: Ingestion and inhalation routes. Potential for completion of migration to groundwater exposure pathway.

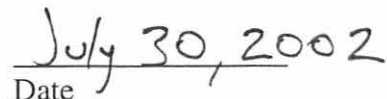
Cleanup Levels: GRO = 1000 mg/kg, and DRO = 2000 mg/kg based on Method one, Category D in Table A1 at 18 AAC 75.341.

Cleanup Remedy: Approximately 47 cubic yards of petroleum-contaminated soil were excavated in accordance with an approved interim removal action plan. The contaminated soil was transported via commercial carrier air service to an approved offsite soil treatment facility located in Bethel, Alaska for thermal treatment.

The record of decision presented above is approved.



Scott Pexton, Environmental Specialist
ADEC Contaminated Sites Program


Date