THE STATE
of ALASKA
GOVERNOR SEAN PARNELL

Department of
Environmental Conservation

DIVISION OF SPILL PREVENTION & RESPONSE
Contaminated Sites Program

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File No: 140.38.002

November 21, 2012

Bradley Platt
Federal Aviation Administration
AJW-W15E
222 W. 7th Avenue
Anchorage, AK 99513

Re: Your letter of November 16, 2012, Request for Cleanup Complete Determinations FAA Gulkana

Dear Mr. Platt;

On behalf of the Alaska Department of Environmental Conservation I have reviewed our files along with the information provided in your letter for the five sites at the FAA Gulkana Airport Site. Based on the regulations and guidance ADEC has determined that the Building 105, 400, 603/604 Well and Tank Farm sites have met the criteria for Cleanup Complete. Underground Storage Tanks 32-A-001 and 32-B-001 have also been determined to meet the criteria for Cleanup Complete.

The Building 600 site will need additional site characterization and potentially remedial action before it can be determined to be Cleanup Complete.

The Cleanup Complete determinations are supported by the following facts.

- The remaining contamination at the sites is diesel range organics (DRO).
- The maximum concentration of DRO found is below the human health level (10, 250 mg/kg).
- The concentrations of DRO have been found to be decreasing with increasing depth with the highest levels found in shallow subsurface soil.
- Groundwater has either not been encountered or does not recharge in the suprapermafrost pore water.
- Drinking water wells were decommissioned and had obtained the water from approximately 300 feet below ground surface (bgs).

Building 105 – Quarters
The maximum DRO found was 840 mg/kg at 5-7 feet bgs, at 15-17 feet bgs DRO was 8 mg/kg and groundwater was not encountered.

Building 400 – Flight Service Station
The maximum DRO found was 9520 mg/kg at 4' bgs with 3190 mg/kg DRO found at 6' bgs in the same boring and 1300 mg/kg DRO at the surface. Adjacent borings to 24' bgs did not encounter groundwater or DRO at significant levels. The highest found of these six borings was 1030 mg/kg at 2.5' bgs with 78.4 mg/k DRO at 4' bgs.

Building 603/604 Well - Pump House and Water Treatment Building
The maximum DRO found was 2600 mg/kg at 5' bgs. Additional borings around this location to 27' bgs did not encounter groundwater or DRO greater than 434 mg/kg. The drinking water well at this site was screened at 293 – 303' bgs and was decommissioned in 1997.

Tank Farm
The 2006 Site investigation maximum DRO detected 4600 mg/kg at 5-7' bgs for tank 3 and 4520 mg/kg DRO for Tank 4 at 15-17' bgs. Additional borings outside of the former tank farm did not find DRO above this levels. No recoverable groundwater was found.

USTs 32-A-001 and 32-B-001
These two underground storage tanks are listed as open sites in the Contaminated Sites (Csites) database under File Number 140.26.002. They were not included in your request, but upon review of the ADEC file and the database these were determined to be eligible for a cleanup complete determination. Tank 32-A-001 at the VORTAC had a maximum detection of 5600 mg/kg DRO when it was decommisioned. Tank 32-B-001 did not have any DRO detected after the removal of 1/3 cubic yard of impacted soil. These levels are below the human health levels.

Building 600 - COMSERFAC
DRO was found at 22,000 mg/kg. This is above the human health levels and the maximum allowable levels. This site does not meet the requirements for a cleanup complete determination and requires additional characterization and/or cleanup.

Sincerely,

Deb Caillouet
Environmental Program Specialist

cc: Aemon Wetmore-FAA