STATE OF ALASKA

SARAH PALIN, GOVERNOR

DEPT. OF ENVIRONMENTAL CONSERVATION

DIVISION OF SPILL PREVENTION AND RESPONSE
CONTAMINATED SITES PROGRAM

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September 3, 2008

Stan Slagle
USAF 611 CES/CEVR
10471 20th St Ste 302
Elmendorf AFB, AK 99506-2200

Re: Cleanup Complete Determination, Bullen Point SRRS Sites OT003, OT004, AOC-01, STOO5, SS002, SS001, A0C-2 and LF006

Dear Mr. Slagle:

The Alaska Department of Environmental Conservation (ADEC) received the Final Report, Clean Sweep Building Demolition, Debris Removal, and Environmental Remediation, Bullen Point Short Range Radar Station, Alaska, July 2008. The report documents the cleanup of the sites in 2007 consistent with the decision document dated September 2007 and cleanup plan dated June 2007.

OT003
A total of four cubic yards of PCB contaminated soil was containerized and shipped offsite for disposal. The Multi-increment (MI) confirmation sampling at the limit of the excavation result was 0.432 mg/kg PCB. This resulted in a calculated 95% upper control limit (UCL) of 0.652 mg/kg demonstrating the cleanup level of 1 mg/kg was met.

OT004
A total of 19.4 cubic yards of PCB contaminated soil was containerized and shipped offsite for disposal. Multi-increment confirmation sampling at the limits of the excavation results were 0.43, 0.21 and 0.202 mg/kg PCB. This resulted in a 95% UCL of 0.5 mg/kg demonstrating the cleanup level of 1 mg/kg was met.

AOC-01
Twenty-two cubic yards of PCB soil was excavated from outside of the generator room located in the J Module of the Aircraft Operations and Control Dewline (ACOD). Multi-increment confirmation sampling showed clean closure with a result of 0.415 mg/kg PCB and a calculated 95% UCL of 0.635 mg/kg. Petroleum contamination was removed to native soil with a total of 444 cubic yards shipped off-site and 80 cubic yards landspread and used as cover for the Bullen Point landfill. Multi-increment confirmation sampling at the limits of the excavation results were 364, 363 and 282 mg/kg diesel range organics (DRO). This resulted in a calculated 95% UCL of 415 mg/kg demonstrating the cleanup level of 2000 mg/kg was met.

ST005
ST005 was excavated in three areas, the North Fuel Pipeline Hookup Area (NFH), Fuel Tanks and the South Fuel Pipeline Hookup Area. At the NFH 20 cubic yards of petroleum contaminated soil was

shipped offsite for thermal treatment, 150 cubic yards were shipped offsite for disposal and 120 cubic yards were used for cover material at the Bullen Point landfill. Two MI samples were obtained from the floor of the excavation with one triplicate and one MI sample was obtained from the wall of the excavation. Results were 1160/189, 1060/151 and 909/134 (DRO/RRO) mg/kg for the first MI and 792/812 DRO/RRO mg/kg. The 95% UCL for the first sample is calculated at 1256 mg/kg DRO and 205 mg/kg RRO. For the second MI sample the 95% UCL was 1005 mg/kg DRO and 859 mg/kg RRO. The MI sample of the walls was 663/1200 DRO/RRO mg/kg, with the 95% UCL at 876 mg/kg DRO and 1247 mg/kg RRO.

The Tank Farm area excavation resulted in 40 cubic yards of petroleum contaminated soil being shipped offsite for disposal and 50 cubic yards used as cover material for the Bullen Point Landfill. The MI sample for floor of the excavation was 1510/149 mg/kg DRO/RRO with a 95% UCL of 1572 mg/kg DRO and 155 mg/kg RRO. The walls of the excavation were sampled in triplicate and the 95 % UCL was 347 mg/kg DRO and 66 mg/kg RRO.

The South Fuel Pipeline Hookup Area (SFH) excavation resulted in 760 cubic yards of petroleum contaminated soil being shipped offsite for disposal and 920 cubic yards being used for cover material at the Bullen Point Landfill. The MI sample from the floor of the excavation had a 95 % UCL of 1212 mg/kg DRO and 230 mg/kg RRO. The 95 %UCL for the walls was 748 mg/kg DRO and 107 mg/kg RRO.

All confirmation results were below the cleanup level of 2000 mg/ kg DRO and 2000 mg/kg RRO for the gravel pad areas. The site cleanup is complete.

SS002

The excavation at SS002 resulted in 280 cubic yards of soil being shipped offsite for disposal and 220 cubic yards being used a cover material at the Bullen Point Landfill. The excavation was to native soil which had a cleanup level of 12500 mg/kg DRO and 13700 mg/kg RRO. The MI sample of the floor had a 95% UCL of 3073 mg/kg DRO and non-detect for RRO. The walls of the excavation had a 95% UCL of 1563 mg/kg DRO and non-detect for RRO. The cleanup is complete.

SS001

The excavation at SS001 was to native soil with 30 cubic yards being shipped offsite for thermal treatment and 230 cubic yards shipped offsite for disposal; another 60 cubic yards were used as backfill at the Bullen Point Landfill. Confirmation sampling indicated that some petroleum contamination exists next to, the then operational, Short Range Radar Station that could not be safely excavated. With the exception of the soil adjacent to the SRRS the cleanup goals were met with a 95% UCL of 1153 mg/kg DRO. The cleanup of SS001 is complete and the SRRS is being tracked as a new compliance cleanup site.

AOC-02

The Water Storage Tank/Garage building area was field screened during the Clean Sweep and found to have petroleum contaminated soil associated with it. Forty cubic yards of soil were excavated to native soil. The 95% UCL for the floor of the excavation was 208 DRO and 654 mg/kg RRO. The walls had a 95% UCL of 821 mg/kg DRO and non-detect for RRO. The cleanup is complete.

LF006

The landfill was excavated to native soil and the debris/soil was placed in the Bullen Point Landfill. Approximately 1500 cubic yards of soil and small debris were placed into the Bullen Point Landfill along with the remains of a building. 98 cubic yards of petroleum contaminated soil, 903 pounds of

batteries and battery parts, 467 pounds of capacitors, 1300 gallons of oil and 950 pounds of paint were shipped offsite for disposal.

Two triplicate MI samples for PCBs were obtained from the floor of the landfill excavation. The first had three non-detect results with Practical Quantitation Limits (PQL) of .0389, .0381 and .0395 mg/kg. The second was also three non-detects with PQLs of .0382, .0384 and .0407 mg/kg.

Seven additional MI samples were collected. The majority of those results were also non-detect with two results of 0.0678 and 0.0616 mg/kg. All results were significantly below the cleanup level of 1 mg/kg PCB. The cleanup is complete.

Cleanup Complete Decision
This decision is subject to the following conditions:

Any proposal to transport soil off site requires ADEC approval in accordance with 18 AAC 18 AAC 75.325(i) where DRO or RRO are present above the migration to groundwater cleanup levels.

Soil containing residual contamination may not be placed in surface water or other environmentally sensitive areas, 18 AAC 70.

This determination is in accordance with 18 AAC 75.380 (d)(1). This decision may be revised and additional site characterization or cleanup required if new information becomes available that indicates contaminants at the site may pose an unacceptable risk to human health, safety, welfare, or to the environment.

Sincerely,

Deb Caillouet
Environmental Program Specialist