

STATE OF ALASKA

DEPT. OF ENVIRONMENTAL CONSERVATION

DIVISION OF SPILL PREVENTION AND RESPONSE CONTAMINATED SITES PROGRAM

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Lori Roy
United States Air Force
611 Air Support Group
10471 20th Street
Elmendorf AFB AK 99506-2270

Subject: King Salmon Air Station DA035 Former Drum Storage Area Site Closure
and Cleanup Complete Determination.

Dear Ms. Roy:

The Alaska Department of Environmental Conservation (ADEC) Contaminated Sites- Federal Facilities Environmental Restoration Program received a request for closure of this site on October 18, 2007. ADEC did not concur with the closure request because in 1993 benzene was detected above the cleanup level (0.005 mg/L) in monitoring well MW-55, which is located just downgradient of drum storage area DA035. We had no record of subsequent sampling and analysis from the well or site DA035. ADEC requested that a new groundwater sample be collected from MW-55 and stated that current groundwater data was required make a decision about closure of the site.

Background

Site DA035, is located primarily in Groundwater Zone 4 (GWZ 4). This site is a former drum storage and stained area near the route of the former pipeline and was identified on Figure 9, 2 JULY 69 of the 1996 EPA report. Drums and disturbed ground were noted in aerial photography from 1962 to 1982 in this area. Initial investigations at GWZ 4 noted fuel storage in drums in the vicinity of the pipeline (SAIC, 1992; EMCON, 1995). Information regarding this area can also be found in the Record of Decision for Final Remedial Action Naknek River Storage Sites, Landfill No. 5, and Zone 4 Groundwater, King Salmon Airport, Alaska (USAF, 1999), and in subsequent long-term monitoring reports. Groundwater flow is to the south, toward the Naknek River in this area.

Monitoring well MW-55 is located in the eastern part of the former drum storage area. MW-55 was sampled in 1993 for DRO, petroleum hydrocarbon fuel identification, VOCs, PCBs and pesticides, and metals. The DRO, PCB, and pesticide results were below reporting limits. Low levels of GRO, BTEX, and other VOCs were detected but all concentrations are below ADEC 18 AAC 75.345 Table C cleanup levels for groundwater with the exception of benzene (0.014 mg/L).

Three soil samples were collected near the crushed drums. Sample 012SO and a duplicate (0120SO) were taken 2" below crushed drums at the southern end of the clearing closer to the pipeline route. Sample 013SO was taken at a depth of 24" from the mid eastern edge of the clearing. Sample 014SO was taken from the north central part of the clearing at a depth of 12". Most metal detections were found within 20 feet of the sample locations. None of the sample results exceeded cleanup levels.

Some metal debris was found along the former pipeline route in June 2006. This material is located on the northern side of the pipeline, across from two monitoring wells installed by Jacobs Engineering (PLMW-02 and PLMW-03). No drums or drum debris were identified along the pipeline. Several crushed, partially buried, rusted drums were found in the clearing at the former drum storage area in June 2006. No stained soil or other indicators of contamination were observed in June 2006.

During the 2008 Base-wide monitoring program a groundwater sample was collected from MW-55 to determine if the benzene concentrations had attenuated to below the cleanup level. No benzene was detected in the sample and no other analyses were detected above the Table C Groundwater Cleanup levels listed in 18 AAC 75.345.

Closure Determination

Based on information currently available, ADEC has determined no site characterization or cleanup is necessary at the King Salmon Air Station Site DA035 Drum Storage Area. The site status in the ADEC contaminated sites database will be changed to Cleanup Complete. This determination may be reviewed and revised in accordance with 18 AAC 75.380(d)(2) if new information becomes available that indicates waste or contaminants at the site may pose an unacceptable risk to human or the environment, in which case ADEC may require additional assessment and/or cleanup.

If you have any questions regarding this letter please contact me at (907) 269-3077 or jonathan.schick@alaska.gov.

Sincerely,



Jonathan Schick
Environmental Program Specialist