

# STATE OF ALASKA

## DEPT. OF ENVIRONMENTAL CONSERVATION

### DIVISION OF SPILL PREVENTION AND RESPONSE CONTAMINATED SITES PROGRAM

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File #: See Below

October 22, 2008

Ms. Edie Knapp, P. E.  
Anchorage School District  
Facilities Department  
1301 Labar Street  
Anchorage, AK 99515

Re: Various ASD Sites

Dear Ms. Knapp:

Thank you for coming to the Alaska Department of Environmental Conservation (ADEC) on September 30, 2008 to discuss the active contaminated sites that our program is tracking in the Anchorage School District (ASD). In addition to yourself and your consultant, Aaron Banks with R&M Consultants (R&M), ADEC staff Bill O'Connell and I attended. Listed below is a synopsis of each site that we discussed.

**ASD Abbott Loop Elementary School** ADEC file number 2100.38.396. One 5,000 gallon diesel underground storage tank (UST) and one 672 gallon diesel UST were removed by Tetra Tech on March 12, 1990. Soil samples collected following removal of the tank showed levels of total petroleum hydrocarbons (TPH) to be above the ADEC action levels. After further excavation by Tetra Tech in July 1990, confirmation samples were below ADEC action levels. ADEC will review this site for closure.

**ASD Creekside Park Elementary School** ADEC file number 2100.38.405. One 6,000 gallon Bunker C fuel UST and one 550 gallon diesel UST were removed by R&M on June 11 and 12, 1999. R&M will conduct groundwater monitoring in accordance with their approved work plan and will submit a report in the fall of 2008. Based on the results of the 2008 monitoring, additional activities may be necessary to delineate the extent of contamination in this area.

**ASD Facilities and Maintenance Complex** ADEC file number 2100.26.293. Three USTs were decommissioned by Gilfilian Engineering & Environmental Testing in July 1997. One was a 6,000 gallon diesel tank and two were 10,000 gallon gasoline tanks. At this time R&M is conducting semi-annual groundwater monitoring and ADEC has requested that R&M develop

a work plan for replacing monitoring well MW-14, with the possibility of reducing the monitoring frequency to once a year.

**ASD Klatt Elementary School** ADEC file number 2100.26.286. One 300 gallon gasoline UST was removed from the site in 1997. Approximately 43 tons of petroleum contaminated soil were excavated from the site and treated. A letter dated March 13, 1998 from ADEC states that "no further action is required for the 300 gallon emergency generator tank UST" at Klatt Elementary School. The status of this site will be updated to Cleanup Complete to reflect the 1998 decision.

**ASD Lake Otis Elementary School** ADEC file number 2100.38.394. One 750 gallon diesel UST and one 10,000 gallon Bunker C fuel UST were removed by Tetra Tech in June 1990. Approximately 534 tons of petroleum contaminated soil were excavated and treated in 1990. Confirmation soil samples contained TPH up to 640 mg/kg as reported in the Tetra Tech *Site Characterization Report* dated May 19, 1990. Groundwater was not encountered at any of the four boreholes that were advanced to a depth of 20 feet. Based on the existing data, ADEC will review this site for closure.

**ASD North Star Elementary School** ADEC file number 2100.38.475. One 2,500 gallon heating fuel UST was removed by DOWL Engineers on September 17, 1993. R&M performed additional site investigations in 1997 and 1998. R&M indicated that the remaining contamination may be limited to a small localized area with Diesel Range Organics (DRO) at 2,920 mg/kg at 17.5 to 19 feet below ground surface (bgs) and located 25 feet from the building. R&M, during their 1998 Supplemental investigation, "identified additional DRO contamination as high as 788 mg/kg at a depth of 30 feet bgs." This impacted soil is approximated to be 35 cubic yards and was buried under 200 cubic yards of clean soil, with a plastic liner placed between the clean backfill and the remaining contaminated soil during the UST removal in 1993. Groundwater was not investigated in 1993 by DOWL Engineering and was not encountered during the R&M investigation in 1997 to a depth of 41.5 feet bgs. In 1998 R&M completed three borings as groundwater monitoring wells, finding "low level (approximately 0.2 mg/kg) DRO contamination" in groundwater at 62 feet bgs. Due to the proximity of the buildings on site, R&M feels that further excavation of these contaminated soils is not feasible at this time. ADEC will review this site for closure.

**ASD Nunaka Valley Elementary School** ADEC file number 2100.38.398. One 500 gallon diesel UST and one 5,000 gallon Bunker C UST were removed on June 22, 1998 by Shannon & Wilson. In the August 1998 report titled *UST Closure Assessment Nunaka Valley Elementary School*, Shannon and Wilson found that "samples taken from the bottom of the excavation (about 13 feet below ground surface) indicated DRO levels of 2,430 and 2,790 mg/kg." A letter from R&M dated August 9, 2007 mentions a passive bioventing system that was in operation for an unknown period of time, but was no longer operational as of July 2007. R&M states that approximately 10 cubic yards of contaminated soil was treated at Alaska Soil Recycling. The site is now inaccessible due to the construction of an addition to the building in 1998. ADEC will review this site for closure.

**ASD Rogers Park Elementary School** ADEC file number 2100.38.395. One 5,000 gallon UST was reported to be on site however a search conducted by Tetra Tech in June of 1990 did not find the UST. Approximately 50 cubic yards of petroleum impacted soil was removed from a pipeline area and stockpiled on-site. After sampling showed the contaminant concentrations of the stockpile to be below ADEC cleanup levels, the soil was used it as backfill. ADEC will review this site for closure.

**ASD Student Transportation Facility (Bus Barn)** ADEC file number 2100.26.251. This file is being managed by Bill Petrik and he requested that you contact him if you have any questions at [Bill.Petrik@alaska.gov](mailto:Bill.Petrik@alaska.gov) or 269-7546.

**ASD West High School**, ADEC File Numbers 2100.38.403 and 2100.38.485. The first file number refers to a 15,000- gallon UST that was excavated July 9, 1999. A letter from ADEC to ASD dated September 16, 1999 indicated that petroleum hydrocarbon contamination in the soil around and beneath the UST did not exceed the 18 AAC 75.34(a), Method 1, Category A for the site. The status of this site is Cleanup Complete and no further action is necessary.

The second file number refers to a 3,000-gallon heating oil UST at the Data Processing Center. An R&M *Underground Storage Tank Excavation* report dated August 13, 1999 stated that confirmation samples collected following removal of the tank did not contain contaminant concentrations above ADEC cleanup levels, therefore this does not qualify as a contaminated site and no further action is necessary.

The decisions noted above are in accordance with 18 AAC 75 and 18 AAC 78 but does not preclude ADEC from requiring additional assessment and/or cleanup action if future information indicates that these sites may pose an unacceptable risk to human health or the environment.

As a reminder, Alaska Statutes 46.03.760, 46.03.822 and 46.08.070 establish cost recovery procedures for certain costs, including oversight activities, incurred by the State in responding to pollution incidents. As the Responsible Party, ADEC may bill you at a later date for our expenditures associated with these sites. Expenses for which we may seek reimbursement include: staff time associated with general or technical assistance; work plan review; project oversight; general project management; legal services; interest; travel; equipment and supplies; and any contracting costs.

Thank you for taking your time to meet with us and for providing ADEC with the requested information at your earliest convenience. I have listed action items below. If you have any questions please feel free to contact me at 269-7551 or [Pam.Clemens@alaska.gov](mailto:Pam.Clemens@alaska.gov).

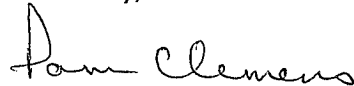
**Action Items:**

1. R&M will forward pertinent monitoring reports for the following sites dating back to 2006:

**ASD Abbott Loop Elementary School** ADEC file number 2100.38.396  
**ASD Creekside Park Elementary School** ADEC file number 2100.38.405  
**ASD Lake Otis Elementary School** ADEC file number 2100.38.394  
**ASD North Star Elementary School** ADEC file number 2100.38.475  
**ASD Nunaka Valley Elementary School** ADEC file number 2100.38.398  
**ASD Rogers Park Elementary School** ADEC file number 2100.38.395

2. ASD and R&M will be conducting additional activities in accordance with work plans already approved by ADEC at:  
**ASD Creekside Park Elementary School** ADEC file number 2100.38.405 will continue groundwater monitoring in MW-1 and conduct a well search for downgradient drinking water wells within ¼ mile of the site.  
**ASD Facilities and Maintenance Complex** ADEC file number 2100.26.293 will continue groundwater monitoring and develop an additional work plan for replacing monitoring well MW-14.
3. ADEC will review the following sites for closure eligibility:  
**ASD Abbott Loop Elementary School** ADEC file number 2100.38.396  
**ASD Lake Otis Elementary School** ADEC file number 2100.38.394  
**ASD North Star Elementary School** ADEC file number 2100.38.475  
**ASD Nunaka Valley Elementary School** ADEC file number 2100.38.398  
**ASD Rogers Park Elementary School** ADEC file number 2100.38.395
4. ADEC will change the open status of Klatt Elementary and West High School to Cleanup Complete.

Sincerely,



Pam Clemens

Environmental Program Specialist