

# STATE OF ALASKA

SEAN PARNELL, GOVERNOR

DEPT. OF ENVIRONMENTAL CONSERVATION

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

File No: 2629.38.001  
Return Receipt Requested

Article No: 7009 2820 0001 7169 7016

January 5, 2011

Mr. Randy Vanderwood  
ADOT&PF Maintenance and Operations  
4111 Aviation Ave  
MS-2525  
Anchorage, AK 99502

Re: Decision Document; ADOT&PF SREB- Ouzinkie  
Cleanup Complete Determination

Dear Mr. Vanderwood:

The Alaska Department of Environmental Conservation, Contaminated Sites Program (ADEC) has completed a review of the environmental records associated with the Alaska Department of Transportation and Public Facilities (ADOT&PF) Ouzinkie Snow Removal Equipment Building (SREB) located at the Ouzinkie Airport in Ouzinkie, Alaska. Based on the information provided to date, it has been determined that the contaminant concentrations remaining on site do not pose an unacceptable risk to human health or the environment and this site will be closed.

This decision is based on the administrative record which is located in the offices of the ADEC in Anchorage, Alaska. This letter summarizes the decision process used to determine the environmental status of this site and provides a summary of the regulatory issues considered in the Cleanup Complete determination.

## **Introduction**

### Site Name and Location

ADOT&PF Ouzinkie SREB  
Ouzinkie Airport  
Ouzinkie, Alaska



Name and Mailing Address of Contact Party:

Mr. Randy Vanderwood  
ADOT&PF Maintenance and Operations  
4111 Aviation Ave  
MS-2525  
Anchorage, AK 99502

ADEC Site Identifiers:

Hazard ID #25580  
CS file # 2629.38.001

Regulatory authority under which the site is being cleaned up:

18 AAC 75

**Background**

Soil stained with petroleum was found in the gravel floor of the Snow Removal Equipment Building (SREB) prior to its demolition. The stains apparently resulted from equipment leaking hydraulic fluid, motor oil, and small spills of diesel fuel. Investigation and cleanup activities were conducted at this site as part of a larger Ouzinkie Airport Upgrade project.

**Contaminants of Concern**

During the various investigations at this site, soil samples were analyzed for diesel range organics (DRO), residual range organics (RRO), gasoline range organics (GRO), benzene, toluene, ethylbenzene, and xylenes (BTEX), metals, and polynuclear aromatic hydrocarbons (PAHs). Based on the results of these investigations, the following contaminant of concern was identified:

- DRO

**Cleanup Levels**

The default soil cleanup levels for this site are established in 18 AAC 75.341, Method Two, Table B2, Under 40 Inch Zone, for Migration to Groundwater (MTG).

<u>Contaminant</u>	<u>MTG Site Cleanup Level (mg/kg)</u>
• DRO	250

**Site Characterization and Cleanup**

Stained soil was excavated to a depth of 14-24 inches below ground surface (bgs) and confirmation soil samples were collected. Samples contained DRO up to 1,770 mg/kg. Arsenic and chromium were also detected above their respective ADEC Method Two cleanup levels; however, the concentrations detected are within the range of background concentrations expected for this

area. Other contaminants were not detected above cleanup levels. Sample collection was hindered by the rocky substrate which contained little soil available for sample collection. The excavation was backfilled with clean soil, the SREB was demolished, and this area will become part of the new runway apron.

The 45 cubic yards of soil excavated from the SREB floor was placed in a lined cell and buried approximately 200 feet south of the runway centerline in the Object Free Zone at Station 46.

### Pathway Evaluation

Following investigation and cleanup at the site, exposure to the remaining contaminants was evaluated using ADEC's Exposure Tracking Model (ETM). Exposure pathways are the conduits by which contamination may reach human or ecological receptors. ETM results show all pathways to be one of the following: De Minimis Exposure, Exposure Controlled, or Pathway Incomplete. A summary of this pathway evaluation is included in Table 1.

**Table 1 - Exposure Pathway Evaluation**

Pathway	Result	Explanation
Direct Contact with Surface Soil	De Minimis Exposure	Contaminated soil has largely been removed from the surface. Risk from remaining surface contamination is considered insignificant or De Minimis.
Direct Contact with Sub-Surface Soil	De Minimis Exposure	Contaminated soil likely remains in the subsurface in one discrete area at 14 inches bgs. This will become incorporated into the runway apron, and no excavation activities are anticipated.
Inhalation-Outdoor Air	De Minimis Exposure	Low volatility DRO remains in the subsurface, but is covered by clean fill and is not in an area frequented by people.
Inhalation-Indoor Air	Pathway Incomplete	Buildings are not present and are not likely to be constructed in the future. If buildings were constructed, clean fill over the remaining contamination will mitigate exposure via this pathway.

Groundwater Ingestion	Pathway Incomplete	Groundwater is not utilized as a drinking water source in this area.
Surface Water Ingestion	Pathway Incomplete	Surface water is not utilized as a drinking water source in this area
Wild Foods Ingestion	Pathway Incomplete	Wild foods are not collected in this area.
Exposure to Ecological Receptors	Pathway Incomplete	There are no complete exposure routes to ecological receptors at the site.

Notes to Table 1: "De minimis exposure" means that in ADEC's judgment receptors are unlikely to be affected by the minimal volume of remaining contamination. "Pathway incomplete" means that in ADEC's judgment contamination has no potential to contact receptors. "Exposure controlled" means there is an administrative mechanism in place limiting land or groundwater use, or a physical barrier in place that deters contact with residual contamination.

### **ADEC Decision**

The cleanup actions to date have served to excavate and adequately remove contaminated soil from the site. Based on the information available, ADEC has determined no further assessment or cleanup action is required. There is no longer a risk to human health or the environment, and this site will be designated as closed on the Department's database.

Although a Cleanup Complete determination has been granted, ADEC approval is required for off-site soil disposal in accordance with 18 AAC 75.325(i). It should be noted that movement or use of potentially contaminated soil in a manner that results in a violation of 18 AAC 70 water quality standards is unlawful.

This determination is in accordance with 18 AAC 75.380(d) and does not preclude ADEC from requiring additional assessment and/or cleanup action if future information indicates that this site may pose an unacceptable risk to human health or the environment.

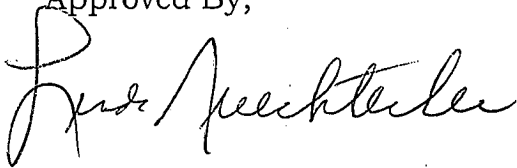
### **Appeal**

Any person who disagrees with this decision may request an adjudicatory hearing in accordance with 18 AAC 15.195 -18 AAC 15.340 or an informal review by the Division Director in accordance with 18 AAC 15.185. Informal review requests must be delivered to the Division Director, 410 Willoughby Avenue, Suite 303, Juneau, Alaska 99801, within 15 days after receiving the department's decision reviewable under this section. Adjudicatory hearing requests must be delivered to the Commissioner of the Department of Environmental Conservation, 410 Willoughby Avenue, Suite 303, Juneau, Alaska 99801, within 30 days after the date of issuance of this letter, or within

30 days after the department issues a final decision under 18 AAC 15.185. If a hearing is not requested within 30 days, the right to appeal is waived.

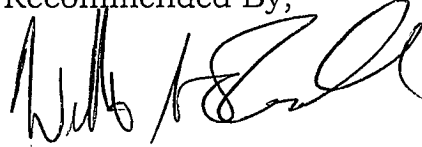
If you have questions about this closure decision, please contact ADEC Project Manager William O'Connell at (907) 269-3057.

Approved By,



Linda Nuechterlein  
Environmental Manager

Recommended By,



William O'Connell  
Environmental Program Specialist

Attachment A- Soil Disposal Location

# Attachment A- Soil Stockpile Disposal Location

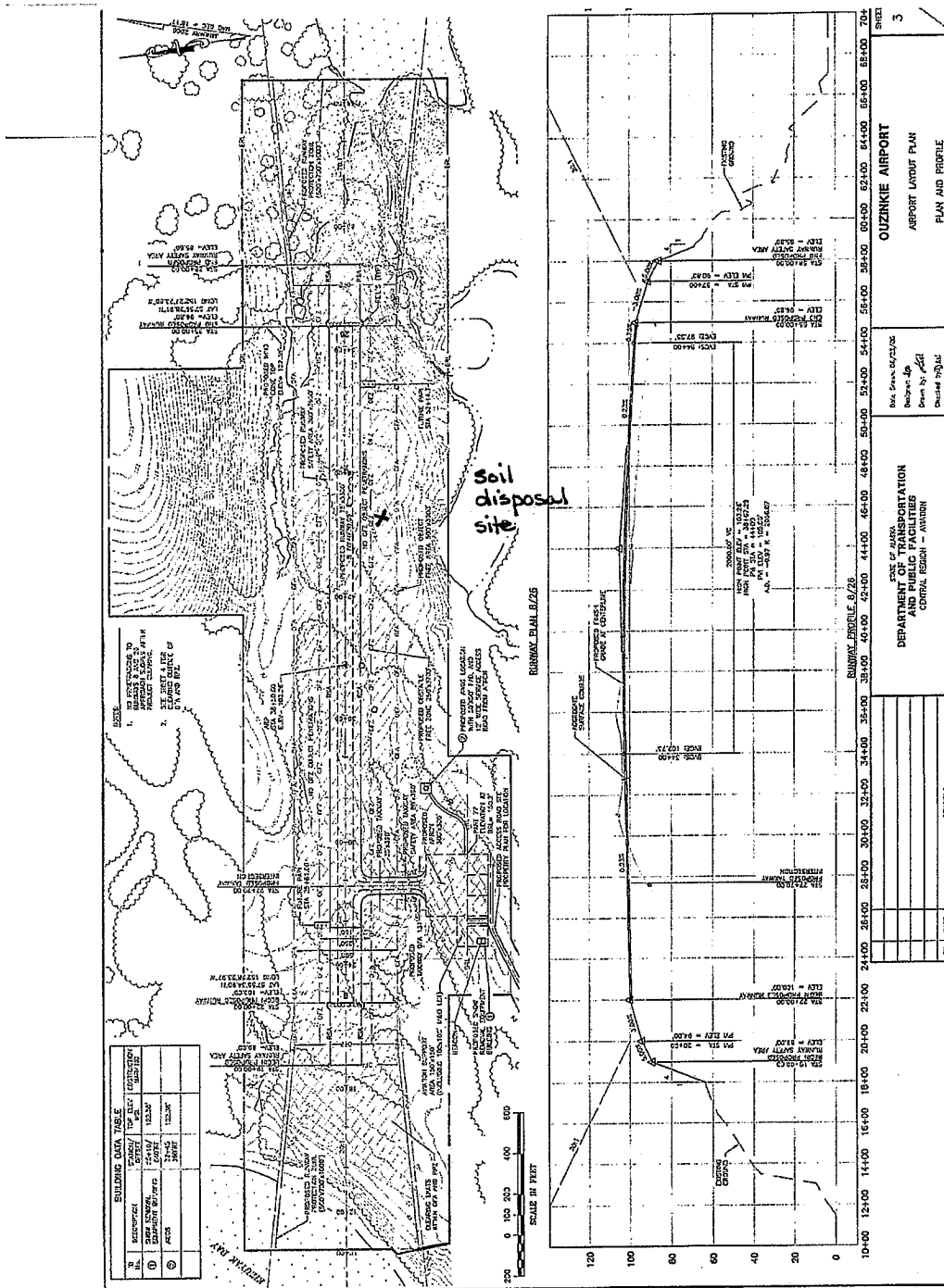


Figure 3. New Ouzinkie Airport Layout Plan