

## ATTACHMENT A

### Preliminary Environmental Research Results City of Nenana 9<sup>th</sup> Street Rehabilitation Project Nenana, Alaska

#### Contaminated Sites, Spills and Underground Storage Tanks

The project's surface area is not known to be contaminated. The Alaska Department of Environmental Conservation (ADEC) Contaminated Sites and Leaking Underground Storage Tanks Database includes one contaminated site with an Open status in the project area. The site is known as the Former Nenana Truck Stop (Hazard ID # 24424), located on the corner of the Parks Highway and 9<sup>th</sup> Street. See Figure 1 for its location. Correspondence with ADEC's Contaminated Sites Program indicates active remediation activities including land farming of contaminated soils will begin in the summer 2013. During the onset of construction of the rehabilitation project, ADEC communication will be required to allow sufficient access to both project areas.

#### Anadromous Fish Streams and Essential Fish Habitat

No proposed work in streams will occur. A review of the Alaska Department of Fish and Game (ADF&G) Fish Distribution Atlas indicates that no anadromous fish streams occur within the project limits. The Tanana River (334-40-11000-2490) is the closest anadromous fish stream, located directly east of the project area. The Nenana River (334-40-11000-2490-3200) is approximately 2,550 feet to the west of the project area.

#### Historical, Archaeological and Cultural Properties

No known historic properties exist within the project area. In 2002, the Bureau of Indian Affairs (BIA) conducted a review of the Alaska Heritage Resources Survey (AHRs) Database at the Alaska Department of Natural Resources (ADNR) State Historic Preservation Office (SHPO). The Office of History and Archaeology (OHA) concurred with the BIA's conclusion that the project had no potential to affect historic properties.

- August 22, 2002 – BIA submitted a **letter to SHPO finding no potential affect to historic properties.**
- September 6, 2002 – **SHPO concurrence of No Historic Properties Affected** (File Number 3130-IRBIA).

The City of Nenana will be consulting with the SHPO, and Tribal Historic Preservation Officers in accordance with Section 106 of the National Historic Preservation Act (16 USC 470). SHPO concurrence will be obtained prior to construction.

**Wetlands (Clean Water Act; 33 CFR 320)**

The US Army Corps of Engineers (USACE) exerts regulatory jurisdiction over waters of the US (including wetlands) pursuant to Section 404 of the Clean Water Act. Regulations require obtaining a permit prior to conducting work that may result in discharging dredged and/or fill material into waters of the US. No dredge or fill material will be placed in waters of the US (including wetlands) without written authorization from the USACE.

Work requiring a permit will include widening the roadway embankment, raising the finished grade of the roadway surface, and installation of culverts.

On August 4, 2005, the BIA was issued a USACE 404 permit for the project (POA-2003-1329-M). The permit expired on August 31, 2008. While active, the permit allowed 2,400 cubic yards of fill into approximately 0.7 acres of wetlands for 9<sup>th</sup> Street improvements and culvert installations.

**Floodplain Management**

Executive Order 11988 Floodplain Management established federal policies for the protection of floodplains and floodways. The City of Nenana regulates the floodplain management program for the community through the National Flood Insurance Program. The Federal Emergency Management Agency (FEMA), under the National Flood Insurance Program, has published Flood Insurance Rate Maps (FIRM) that show detailed flood information for the project area.

The project area is located within the 100-year floodplain of the Tanana River. Avoidance of the floodplains is not practicable since the entire community is within the 100-year floodplain. A hydraulic analysis is being conducted for this project to determine the potential effects to floodplains from the proposed action.

**Land Use**

9th Street is currently not centered on an approximately 60-foot wide right-of-way (ROW). The proposed project will take place within existing ROW limits or utility easements and no additional ROW acquisition is planned for the road upgrades. Land owners adjacent to the existing ROW limits within the project vicinity include one private business on the corner of Parks Highway and 9<sup>th</sup> Street and native allotments.

There are no refuges, sanctuaries or critical habitat areas within the project area.

**Threatened and Endangered Species**

Based upon a review of the USFWS and the National Oceanic and Atmospheric Administration – National Marine Fisheries Service websites, no threatened or endangered species are listed for the project area.

On September 3, 2004, the USFWS determined that the BIA-sponsored project area did not include any threatened or endangered species and determined the project would have no adverse impact on listed species.

### **Eagle Nests**

There are no known eagle nests in the project area.

### **Water Quality**

The Tanana River is located immediately to the east and north of the project area. It is a glacially-fed river, which has a long duration of water and high summer flows. The river has a gravelly or silty bed, with multiple channels and heavy sediment load.

Drinking water is provided by Nenana's groundwater. The municipal water supply system has one primary and one secondary well and serves most residences and the school. The Alaska Department of Natural Resources (ADNR) well log tracking system identifies 8 registered groundwater wells in Nenana. The closest known well location is 4,700 feet outside the project area on the north side of the Tanana River.

### **Air Quality**

An air quality permit for the project is not required from the Alaska Department of Environmental Conservation (ADEC) under 18 Alaska Administrative Code (AAC) 50 because ADEC does not require an emissions permit for earthmoving activities associated with transportation projects.

### **Noise (23 CFR 772)**

There are no long term effects associated with the proposed project. Noise impacts during construction from heavy equipment use will be temporary. Long term effects may include a reduction in traffic noise in the village because more traffic would enter and exit the village via the improved 9<sup>th</sup> Street.