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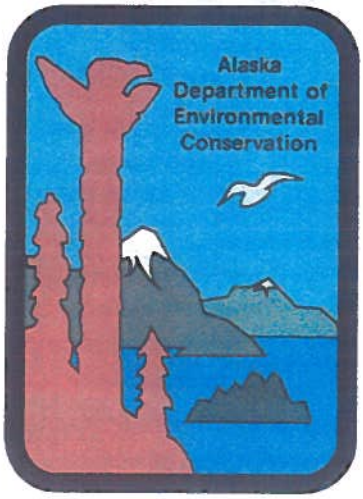
SUMMIT
CONSULTING SERVICES, Inc.
Remote Project Construction
Management & Design



Environmental Report

USDA-RD 2004

Funding for:

Raw Water Storage Tank

Sanitation Facilities Phase III

Village of Kongiganak, Alaska
January 2005

Environmental Report for Sanitation Facilities Phase III

Village of Kongiganak

Written by:
Christopher Wrobel of
Summit Consulting Services, Inc.

In Association with:
Village Safe Water
And the
Village of Kongiganak

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(907) 563-5675

For:

USDA Rural Development
800 West Evergreen, Suite 201
Palmer, AK 99645-6539

January 2005

Table of Contents

List of Acronyms

AAC – Alaska Administrative Code
ADEC - Alaska Department of Environmental Conservation
AK F&G - Alaska Department of Fish and Game
ADNR - Department of Natural Resources
ADNR OHMP - Office of Habitat Management and Permitting
ADOT&PF - Alaska Department of Transportation and Public Facilities
ATVs - All Terrain Vehicles
bgs – Below Ground Surface
DCED - Department of Community and Economic Development
EPA - Environmental Protection Agency
FAA – Federal Aviation Administration
gpd – gallons per day
gpcd – gallons per capita per day
HDPE – High Density Polyethylene
HUD - Housing and Urban Development
kWh – Kilowatt hour
NRCS – National Resource Conservation Service
PCE – Power Cost Equalization
ppb – Parts Per Billion
ppm – parts per million
SHPO - State Historic Preservation Officer
WTP – Water Treatment Plant
US ACE - US Army Corps of Engineers
USFW – US Fish and Wildlife Service
VSW - Village Safe Water

Environmental Report

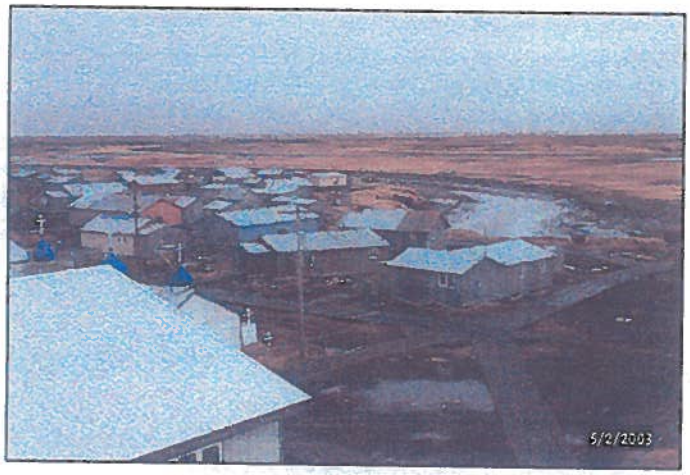
Sanitation Improvements Phase III

Kongiganak Alaska

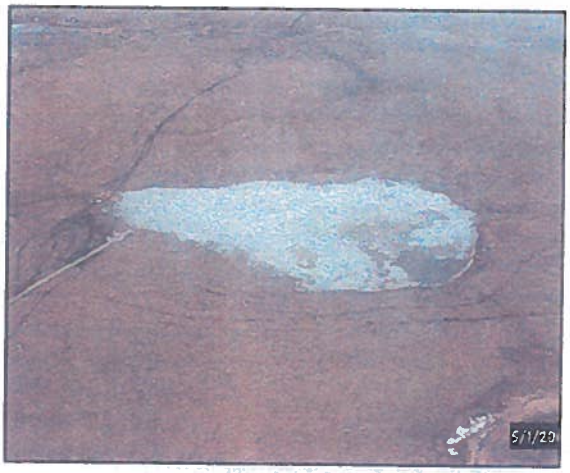
1.0 Purpose and Need of Project

This environmental report has been written to secure USDA-RD/RUS funding for the third phase of Sanitation Improvements in Kongiganak. The scope of work supported by this funding will include construction of a new raw water storage tank, two vacuum sewer stations, a temporary access road between the barge landing and the project sites, and the decommissioning of a sewage pretreatment plant. Completion of this phase of work is a necessary precursor for a future, planned wastewater system.

Kongiganak is an unincorporated traditional Yupik Eskimo community of approximately 360 residents and is located two miles inland from the Kuskokwim Bay, north of the mouth of the Kuskokwim River in western Alaska. The village is built on a shallow permafrost bluff and is surrounded by low-lying wetlands, tundra, and the Kongnignanohk River. The area experiences periodic wind and tide driven coastal flooding which inundates the surrounding land with seawater. The nearest reliable fresh water source that is not flooded during these events is Contractor's Lake, which is approximately 1.8 miles northeast of the village.



View of Kongiganak during break-up. The picture was taken from the top of the existing raw water storage tank



Aerial view of the water source at Contractor's Lake. Water is pumped through a 1.8 mile pipeline along the boardwalk shown in the middle left of the picture

Utilizing a fill and draw system, water is pumped twice annually from Contractor's Lake through an HDPE pipeline to the existing water storage tank. This 572,000 gallon tank is the only water source for the eight-month long winter, and is does not contain enough water to meet the existing water demand in the community. Water shortages have become frequent in recent years. In addition, Village Safe Water intends to construct the village's first community wastewater system, a vacuum sewer system, to replace the honey buckets that are used in every home. While a vacuum sewer system inherently uses a minimal amount of water to operate, the system will require an additional 1.2 million gallons of water storage in order to operate properly over the system's 20-year design life. The new 1.2 million gallon raw water storage tank will increase total storage capacity to 1.8 million gallons, and will be the first step toward constructing Kongiganak's first community wastewater system.

The project site is located next to the existing water storage tank and the water treatment building. A topographic map and site plan have been included as Figure 1 and 2 in the Exhibits section of this document.

Table 1: Community Location

ITEM	VILLAGE OF KONGIGANAK
Latitude	59° 57' 33'' N
Longitude	162° 53' 14'' W (NAD 83)
Township	2 South
Range	79 West
Section	32
Meridian	Seward
Map	USGS Quad Kuskokwim Bay D-3

1.1 Project Description

The new raw water storage tank will be 100 square feet and built on a steel foundation with thermosyphons installed to protect the permafrost. The tank will be 94 feet in diameter, 25 feet tall, and constructed of bolted steel panels with insulation. The foundation will be constructed in the fall and winter, and the tank will be erected the following summer.

The two vacuum sewer stations will utilize a similar foundation design as the proposed water storage tank, with steel sleepers installed on top of the permafrost and thermosyphons located between the steel to create a freeze-back condition. The 32 x 40-foot buildings will be constructed on an elevated deck and will house vacuum pumps and other essential equipment for a vacuum sewer system. This system will be constructed as a future Phase, Phase IV

A temporary access road will connect the barge offloading area and borrow pit to the water storage tank site. The road will be 16 feet wide and will be constructed out of local fill (primarily silt). The road will be used in the winter to transport fill material and equipment from the spoils pile and barge offloading site to the project site.

Approximately 0.81 acres of wetlands will be affected by the project, and approximately 9100 cubic yards of fill will be required. The material will consist of silt and will come from the spoils of the sewerage lagoon construction project. Although undesirable, silt must be used wherever possible because there are no local gravel sources for 75 miles.

1.2 Purpose and Need of Project

With the completion of the Sanitation Facilities Master Plan in 1993, Kongiganak has pursued a phased approach to improving the water and sewer services for the community. Previous improvements include development of Contractor's Lake as a water source, construction of a HDPE water transmission line from the lake to the village, construction of a 1.8 mile boardwalk to access the lake, repairs to the water storage tank, a new wastewater pretreatment plant, and construction of a new sewage lagoon. Future phases involve construction of a vacuum sewer system, which will be the first piped sewer system for village

residents. The village has already been running out of water during recent winters, and when the vacuum sewer system is installed water consumption is expected to double initially and increase to 1.8 million gallons over a 20 year design life. The village will not be able to accommodate a vacuum sewer system until water storage is expanded.

If the water storage tank is not constructed, the future piped sewer system can not be installed, and residents of Kongiganak will continue to use honeybuckets to dispose of human waste. Honeybuckets are a significant threat to human health because many diseases can be spread from person to person through contact with untreated human waste. Improperly treated human waste can spread dysentery, infectious hepatitis, typhoid and paratyphoid, and various types of diarrhea

In addition, water shortages or an insufficient water supply can lead to the spread of impetigo, a skin infection that most commonly affects children. Impetigo is characterized by blisters and scabby sores, typically around the mouth and nose. Impetigo can be prevented by practicing good hygiene, taking regular baths or showers, washings hands, etc.

2.0 Alternatives to the Proposed Project

Water Alternative #1: New Water Storage Tank

This is the preferred alternative because it will provide necessary infrastructure for the future vacuum sewer system. The new water storage tank will be constructed adjacent to the existing tank and the water treatment building. The tank will utilize the existing 1.8 mile, 3 inch, HDPE transmission line that is currently used to fill the 572,000 gallon tank. The existing well pump was designed to fill the 572,000 gallon tank in 10 days. It is unlikely that the same pump will be able to efficiently fill 1.8 million gallons of storage. Specifications for a larger pump will be included with the final design documents.

The tank will be constructed above the 100-year flood elevation. Environmental permitting and agency coordination has already been completed for the tank and access road. Environmental permits include a Section 404 permit through the through the Corps of

Engineers, and an easement through the ADNR. During the permitting process the following agencies were also consulted:

- ADNR – OHMP : Coastal Project Questionnaire and finding of "No Review Required."
- ADNR – OHMP : Fish Habitat review and finding that no permit was required
- ADNR – SHPO: Statement of "No Affect to Historic Properties"
- USFW: Finding of no impact to endangered species.

Water Alternative #2: Develop New Water Source

Several attempts have been made since the 1960's to locate and develop new water sources that would enhance, or even replace the seasonally available water supply at Contractor's Lake. Two wells were drilled in 1993 behind the existing water storage tank but they were abandoned because the water was saline. More recently, tundra ponds near Contractor's Lake were investigated but were rejected because they were below the flood elevation and are also saline. The Kongnignanohk River was rejected as a water source because it is tidally influenced and contains a high concentration of suspended solids.

These alternative water sources have been rejected because they would require a complex water treatment system. Such a system would inherently be too complex and expensive for local operations and maintenance.

Water Alternative #3: No Build Alternative

Without expanding the water storage capacity it will not be possible to construct a community wastewater system. Residents will continue to experience water shortages during the winter and they will continue to use honeybuckets. As the population of Kongiganak grows, water shortages will become more common and the environmental health of the community will decline

Sewer Alternative #1: Vacuum & Booster Stations for a Future Vacuum Sewer System

Two vacuum stations and a booster station are required to operate the vacuum sewer system. The vacuum stations and booster station will house vacuum pumps and other necessary equipment to support a vacuum sewer system. Two stations will be required because the community is divided into two sections, with each half separated by the airport. A booster station is required due to the long distance between the outlying home to the northwest and the vacuum station. While vacuum sewer systems are more expensive to construct, operate, and maintain than gravity sewer systems, the conditions in Kongiganak such as flat topography, no gravel source, and boardwalk transportation corridors prevent make gravity sewer a non-feasible option. The vacuum main lines will be constructed after the stations are built and the house service lines will be installed during the final phase of work. By installing the service lines last, residents will be able to use the system soon after their homes are connected.

Sewer Alternative #2: Hauled Sewer System

The haul system requires that each home have a sewage holding tank that would be emptied by an employee using an ATV and a sewage hauling tank. Hauling tanks would be limited by the boardwalk the towing capacity of the ATV or snowmachine and would probably be 100 gallons or less. Emptying the storage tanks could be hazardous to public health and safety and a full time employee should be hired to empty the tanks and transport the wastewater to the lagoon.

Sewer Alternative #3: No Build Alternative

Every household in Kongiganak currently uses honey buckets to dispose of human waste. Continued exposure to human waste would perpetuate many infectious diseases that are present in rural Alaska.

Table 2 on the following page compares the advantages, disadvantages, and relative capital and operational costs of the alternatives.

Table 2. Summary of Alternatives.

Alternative	Operating Features	Advantages	Disadvantages	Capital Cost (ROM)	Operating Cost
New 1.2 million gallon water storage tank	• **Circulating heat line from adjacent water treatment plant** • **Utilize existing water pump and transmission line**	• **Adequate, 8-month water storage for new wastewater system**	• **High capital costs** • **Winter construction required for tank foundation**	**2.85 million**	**Low**
Develop new water source	• New wells, impoundments, pipelines, and/or boardwalks	• Potential for year round water availability	• Alternative water sources have been thoroughly investigated with no positive results • Saline water treatment would be complex and expensive to operate	$500,000 – 3,000,000	Moderate to high
Vacuum Plants & Booster Station	• **Two plants and booster station housing vacuum pumps and controls**	• **Required component of future vacuum sewer system**	• **Two plants required**	**$2,000,000**	**Moderate to high**
Hauled Sewer system	• Holding tanks constructed at each house. • New bathrooms constructed at each house	• Lower capital costs • Failure at one house does not disable the entire system	• High operation and maintenance costs • Low level of service to residents • High risk of exposure to human waste for maintenance personnel	$3,000,000	High
No Build Alternative	• n/a	• No capital investment	• Continued water shortages • Continued use of honeybuckets	0	Low

3.0 Affected Environment / Environmental Consequences

3.1 Land Use / Important Farmland / Formally Classified Lands

3.1.1 Affected Environment

The village of Kongiganak is located within the Yukon Delta National Wildlife refuge. During two recent projects in Kongiganak for construction of the new sewage lagoon and the enhancements to the water source at Contractor's Lake, Paul Lideberg of the Yukon Delta National Wildlife Refuge was contacted and asked if his agency had any concerns from the projects. During telephone conversations on July 23, 2001 and July 9, 2002, Mr. Lideberg referred us to the Endangered Species Biologist at the US Fish and Wildlife Service. Mr. Lideburg also stated that the US Fish and Wildlife Service should be consulted for future projects.

The Kongiganak Traditional Council owns the surface rights to the property for the water storage tank. The village corporation, Qemirtalek, Inc. owns the surface rights to the property that will be used for the access road connecting the water storage tank site to the equipment staging area. On August 7, 2004 Dave Cramer of Summit Consulting Services, Inc. met with members of the Traditional Council and Qemirtalek, Inc. to discuss the project. During the meeting, it was agreed that Qemirtalek Inc. would transfer the referenced property to the Traditional Council because the Council is responsible for managing the water and sewer utility.

3.1.2 Environmental Consequences

None.

3.1.3 Mitigation

Not applicable.

3.2 Floodplains

3.2.1 Affected Environment

The US Army Corps of Engineers (USACE) maintains flood hazard information for many Alaskan communities. Unfortunately, USACE has very little information about Kongiganak. A summary of the information that is available follows: (Please see the Appendix B for the complete report from the Corps of Engineers)

The 100-year flood or Base Flood Elevation has been calculated to be 20.7 ft. MLLW {mean lower low water}. *Most of the community is located at 30 ft MLLW. The community is located 5.5 miles upstream of the mouth of the Kongnignanohk River but is still susceptible to coastal storms* (USACE, 2004).

The water storage tank will be located within the community and will not be susceptible to flooding from coastal storms. In addition, the tank will be constructed with thermosyphons to protect the permafrost. This design will consequently elevate the water tank an additional three feet above the ground elevation.

The temporary access road will be susceptible to flooding the following fall after it is completed. However, the access road will only be needed for one season. Any future flood damage will not impact the project, nor will it contribute to damage of other structures or utilities.

3.2.2 Environmental Consequences

None

3.2.3 Mitigation

Not Applicable

3.3 Wetlands

3.3.1 Affected Environment

The water storage tank, vacuum plants, and the temporary access road will be located in a wetland. Approximately 0.75 acres will be filled (0.35 acres from the water storage tank site, 0.05 acres from the vacuum plants, and 0.35 acres from the access road). Approximately 8500 cubic yards of fill material will be used as fill.

3.3.2 Environmental Consequences

On July 14, 2004, Allen Skinner of the US Army Corps of Engineers was contacted over the telephone regarding this project because his agency has regulatory authority over wetlands through Section 404 of the Clean Water Act. This conversation was followed with a letter containing a project description, site plan and cross section. After a 15-day agency comment period, the Corps of Engineers issued a permit to "discharge approximately 8500 cubic yards of fill material on 0.75 acres of wetlands during for the construction of a water storage pad and access road" on August 9, 2004. The permit number is POA-2004-1002. A copy of the permit and general conditions has been included as Appendix C. The permit does not include any special conditions.

After the permit was issued, the two vacuum sewer plants were added to the scope of work for Phase III. On August 25, 2004, Mr. Skinner was e-mailed a revised project description and site plan for the vacuum plants. Mr. Skinner responded in a telephone call the same day that the wetlands permit will be modified to include the additional 1/15 of acre and 600 cubic yards of fill. Mr. Skinner also stated that the modification will require another 15-day agency review. This review is currently in progress and will expire on September 13, 2004. The modified permit identification number is POA-2004-1002-M. The total acreage and fill resulting from the project is 0.81 acres and 9100 cubic yards.

3.3.3 Mitigation

Not applicable

3.4 Cultural Resources

3.4.1 Affected Environment

There are two records on file for historic sites at the Alaska Office of History and Archeology. These files were reviewed in August 2002 for a related project in Kongiganak. The first historic property is the Russian Orthodox Church. The Church is located over 160 feet from the project site and will be separated from construction activities by three existing structures. The second historic site is located on the Kongnignanohk River and is over ½ mile from the project site.

3.4.2 Environmental Consequences

On July 5, 2004 a project description, site plan, cross section drawing, and a copy of a previous archeological review document were sent the Alaska Office of History and Archeology. On July 23, 2004 the project description was returned by the State Historic Preservation Officer (SHPO) with the stamp "No Historic Properties Affected". A copy of this letter has been included in as Appendix D.

On August 25, 2004 John Breiby at SHPO was emailed a revised project description and site plan depicting the vacuum sewer plants. During a telephone conversation with Mr. Breiby on August 25, 2004, he stated that he had no obvious concerns with the modification but that he would wait to review the material from the Corps of Engineers before issuing a formal statement.

3.4.3 Mitigation

Not applicable

3.5 Biological Resources

3.5.1 Affected Environment

Spectacled eiders are listed as threatened under the Endangered Species Act of 1993 and may breed on lakeshores in the vicinity of Kongiganak.

3.5.2 Environmental Consequences

Ellen Lance, an endangered species biologist with the US Fish and Wildlife Service was contacted by telephone on July 27, 2004. This conversation was followed with a letter of correspondence, a project description, site plan, and cross section drawing. In her letter dated August 12, 2004, Ms. Lance stated that this project "is not likely to adversely affect endangered or threatened species" because construction [activity] will occur outside of the breeding season (April 1 – July 15). A copy of this letter has been included as Appendix E.

The Alaska Department of Natural Resources, Department of Habitat Management and Permitting (ADNR OHMP) has regulatory authority regarding fish species and fish habitat permits. On July 5, 2004 a project description, site plan, and cross section was sent to Mac Mclean at ADNR OHMP. On July 12, 2004 Mac responded in an e-mail stating that "a Fish Habitat Permit will not be required. We have not identified any environmental concerns." A copy of this e-mail message has been included in the Appendix F.

3.5.3 Mitigation

Construction of the temporary access road will occur outside of the breeding season of April 1through July 15.

3.6 Water Quality Issues

3.6.1 Affected Environment

During the Wetlands Permit review process, Allen Skinner (USCAE) contacted the Alaska Department of Environmental Conservation (ADEC) regarding water

quality concerns. The ADEC responded that "they have found [this project] to be in accordance with the Alaska Water Quality standards." A copy of this correspondence has been included in as Appendix G.

3.6.2 Environmental Consequences

None.

3.6.3 Mitigation

Not Applicable.

3.7 Coastal Resources

3.7.1 Affected Environment

Kongiganak is located within the Cenaliulriit Coastal District, and this project was required to submit a Coastal Project Questionnaire to the ADNR OHMP.

3.7.2 Environmental Consequences

Cynthia Zuelow-Osborn with the ADNR OHMP received the Coastal Project Questionnaire (CPQ) for this project and responded in a letter dated August 9, 2004 that an "ACMP review is not required." The letter states that a review is unnecessary because the USACE Wetlands Permit, which this project met, has already been found to be consistent with the Alaska Coastal Management Program. The ADNR OHMP did not add any special conditions to the Wetlands Permit for this project. A copy of this letter and the CPQ has been included in as Appendix H.

3.7.3 Mitigation

Not applicable

3.8 Socio-Economic / Environmental Justice Issues

3.8.1 Affected Environment

As with many of the villages in the Y-K Delta, Kongiganak has a small economic base where the majority of employment derives from the school, village services,

the stores, and commercial fishing. In an effort to improve the economic base of the community and provide job skills, previous Village Safe Water projects in Kongiganak have utilized force account construction methods. While hard dollar projects will usually import the majority of their workforce, the force account projects in Kongiganak have been 90% or greater local hire. The direct benefit of the force account philosophy was exemplified during the initial renovation of the Water Treatment Plant, where the local operator of the facility was able to work alongside the mechanical foreman throughout construction. This proposed project will be managed on a force account basis, benefiting the community both socially and economically.

3.8.2 Environmental Consequences

None

3.8.3 Mitigation

Not Applicable

3.9 Miscellaneous Issues

3.9.1 Affected Environment

The temporary access road must be 16 feet wide to allow for movement of heavy equipment to the project site. One small section of the road will have to be built into East Lake because local topography and existing utilities do not allow for a 16 foot wide road. The ADNR owns the property below the surface of East Lake and will require an easement for the road. The easement application, along with an Environmental Risk Questionnaire was submitted to Mary Jane Sutliff on July 30, 2004. On December 20, 2004, Ms. Sutliff sent an e-mail stating "There is no request for compliance at this time. Construction can proceed." A copy of this letter has been included in Appendix I.

3.9.2 Environmental Consequences

None

3.9.3 Mitigation

Not Applicable

4.0 Summary of Mitigation

Of the agencies that were contacted, US Fish and Wildlife was the only agency that requested mitigation.

Table 2. Summary of Mitigation

Potential Environmental Impact	Proposed Mitigation as Recommended by Federal and State Regulatory Agencies
Eider Disturbance	▪ Construction outside of the nesting season, after July 15 and before April 1. Recommendation by US Fish and Wildlife Service.
Other	▪ Quick and efficient response and coordination with the Village of Kongiganak and the Village Safe Water Engineer at the Alaska Department of Environmental Conservation.

Correspondence

Contact with the following individuals and agencies helped assess the potential environmental impact of this project. A correspondence summary follows at the end of this section.

Yukon Delta National Wildlife Refuge

Paul Lideberg
807 Chief Eddie Hoffman Road
P.O. Box 346
Bethel, Alaska 99559

(907) 543-3151
543-4413

AK Department of Environmental Conservation

Village Safe Water Program
Tim Law
555 Cordova St.
Anchorage, AK 99501

(907) 269-7502
269-7509

US Army Corps of Engineers

Hydraulics and Hydrology
Harlan Lagre
P.O. Box 6898
Elmendorf, AFB AK 99506-6898
(907) 753-2610
753-2625

Regulatory Branch
Allen Skinner
P.O. Box 6898 CPOA-CO-R
Elmendorf, AFB AK 99506-6898
(907) 753-2716
753-5567

Department of Natural Resources

State Historic Preservation Officer
550 W. 7th Ave Suite 1310
Anchorage, AK 99501
(907) 269-8715
269-8908

Alaska Coastal Management Program
Cynthia Zuelow-Osborne
550 W. 7th Ave Suite 1610
Anchorage, AK 99501
(907) 274-7470
269-3819

Fish Habitat
Mac Mclean
1300 College Road
Fairbanks, AK 99701
(907) 459-7280
456-3091

Land Use
Mary Jane Sutliff
550 W. 7th Ave Suite 1070
Anchorage, AK 99501
(907) 269 -8564
269-8904

US Dept. of the Interior Fish and Wildlife Service

Ecological Services / Endangered Species Biologist
Ellen Lance
605 W. 4th
Anchorage, AK 99501-2249
(907) 271-1462
271-2786

Correspondence Summary

Several of the agencies contacted either had no environmental concerns about the project or felt that the environmental resource in question was out of their jurisdiction. A complete record of

telephone correspondence was maintained in log # CW-1 at the Anchorage Office of Summit Consulting Services, Inc. and is available upon request. A summary of this log has been provided below.

Environmental Resource: Water Quality

Agency: Alaska Department of Environmental Conservation

Date: 7-1-04

Contact: Latisha Tadina

Content: Latisha was asked if the permits the DEC would require for the construction and operation of a new raw water storage tank. She responded by stating that after the design is complete, the plans must be submitted for a Plans Review, after which a Permit to Construct will be issued. The DEC must issue a Certificate to Operate before the water tank can be put on-line.

Recommendations: Submit the 100% complete design drawings to the DEC for Plans Review and obtain a Certificate to Operate after construction is complete

Potential for Environmental Impact: None stated

Environmental Resource: Biological Resources – Fish Habitat

Agency: Alaska Department of Fish and Game

Date: 7-6-04

Contact: Wayne Dolezal, Ed Weiss

Content: The scope of work was explained, with particular emphasis on the small portion of the access road that would place fill material into East Lake.

Recommendations: Regulatory authority regarding fish habitat has been transferred to the DNR Office of Habitat Management and Permitting in Fairbanks.

Potential for Environmental Impact: None stated

Environmental Resource: Wetlands

Agency: US Army Corps of Engineers

Date: 7-14-04

Contact: Allen Skinner

Content: The project was introduced to Mr. Skinner. He requested a written description and drawings made according to the examples in the permit application booklet. Allen emphasized that the drawings should have bold lines so that faxed copies remain legible. After listening to the scope of work, Mr. Skinner thought that the project would fall under a Alternative Permit Processing Procedure and would not require a public notice. The permit would still require a 15 day inter-agency review.

Recommendations: Mail a copy of the project description, site plan, and cross section to Mr. Skinner for review.

Potential for Adverse Environmental Impact: The project will likely comply with a general permit and related agencies will have the opportunity to comment during the 15 day–review.

Environmental Resource: Miscellaneous - Easement

Agency: Alaska Department of Natural Resources

Date: 7-14-04

Contact: Mary Jane Sutliff

Content: The project was introduced to Ms. Sutliff with particular emphasis on the small portion of the access road that would place fill material in East Lake. Ms. Sutliff explained that the State owned the land below the mean high water level of this lake and that an easement through the DNR would be required.

Recommendations: Ms. Sutliff e-mailed us an easement application and an environmental risk questionnaire.

Potential for Adverse Environmental Impact: None stated

Environmental Resource: Coastal Resources

Agency: Alaska Department of Natural Resources – Office of Habitat Management and Permitting

Contact: Cynthia Zuelow-Osborne

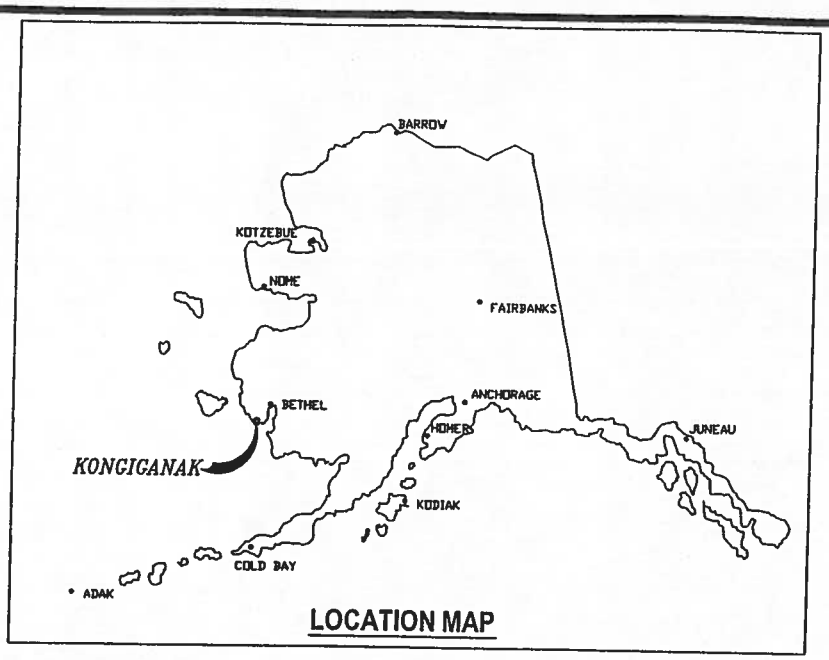
Date: 8-4-04

Content: A coastal project questionnaire was completed for the project and mailed to Ms. Osborn of 7-14-04. However, the general permit that the Corps of Engineers was using for the project had already gone through a Coastal Zone Review Process. I asked Ms. Zuelow-Osborn if she still needed to review our Coastal Project Questionnaire. Ms. Zuelow-Osborn responded by saying that she would review the general conditions of the Corps permit to make sure that this project did not require additional review by her office.

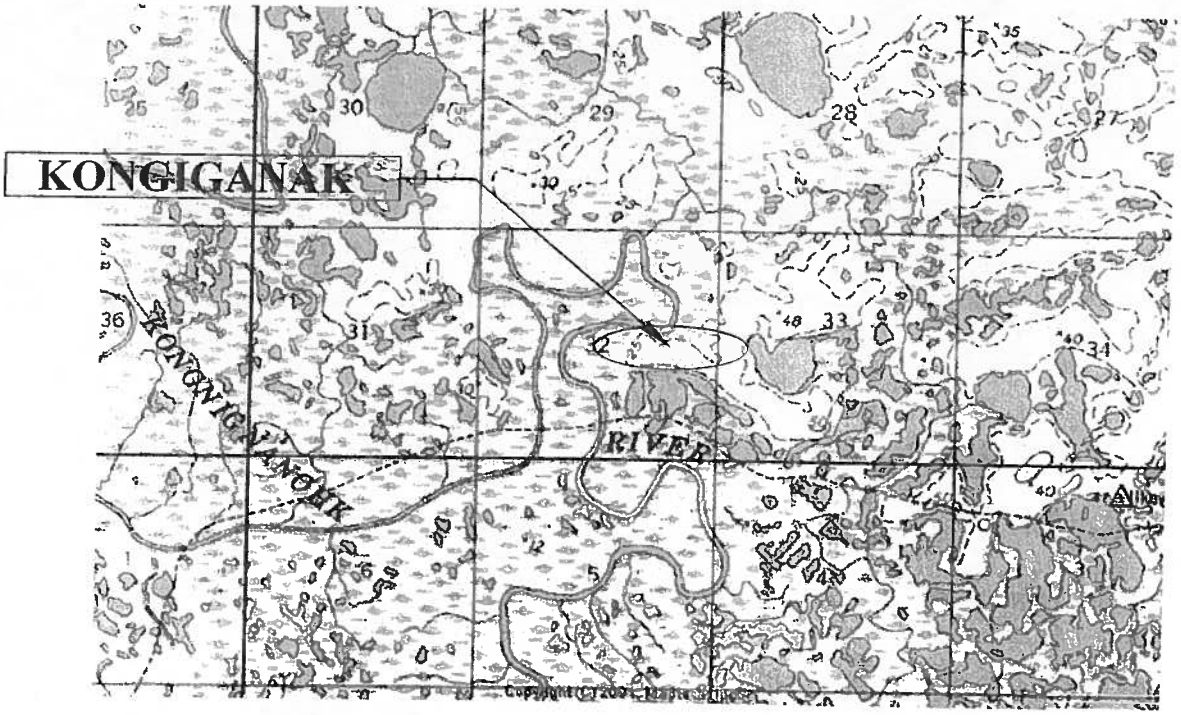
Recommendations: None

Potential for Adverse Environmental Impact: None stated.

Exhibits



LOCATION MAP



SOURCE: www.topozone.com

Kongiganak Water Storage Tank Project
Figure 1: Location Map

Project: Kongiganak Water Storage Tank Project

Purpose: Increase available public water supply

Adjacent Property Owners: Chalista Corp. and Kongiganak Traditional Council

Applicant: Village of Kongiganak
P.O. Box 5069
Kongiganak, AK 99559

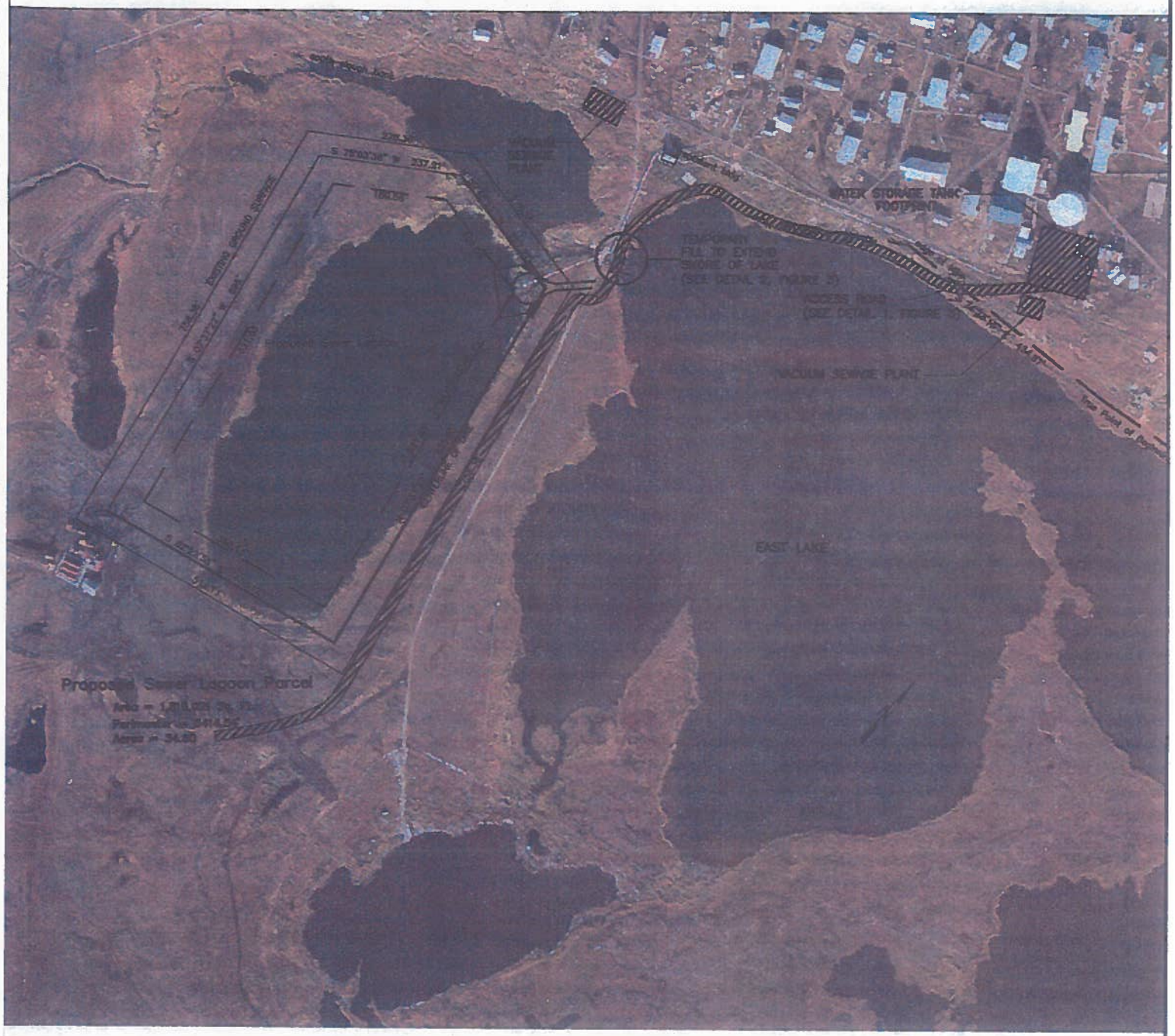
Agent: Summit Consulting Services, Inc.
4500 Business Park Blvd., C-10
Anchorage, AK 99503

Scale: Not To Scale

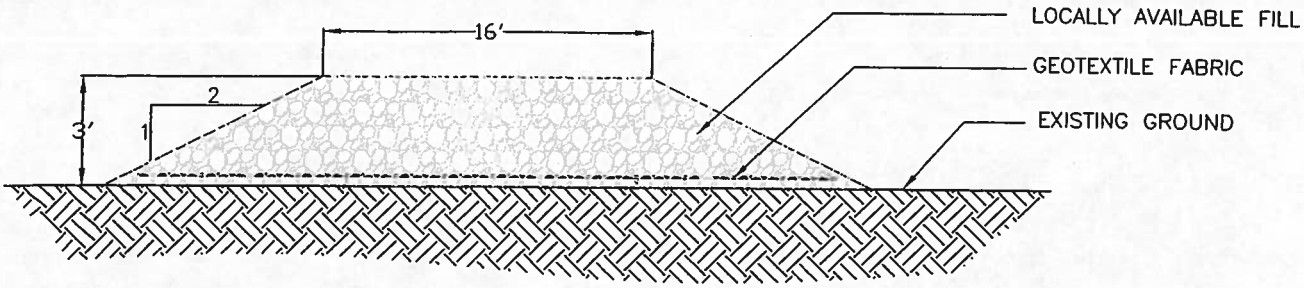
Location: 59 57'27" N
162 53'23" W

Township 2 South, Range 79 West, Seward Meridian, USGS Quad D-3

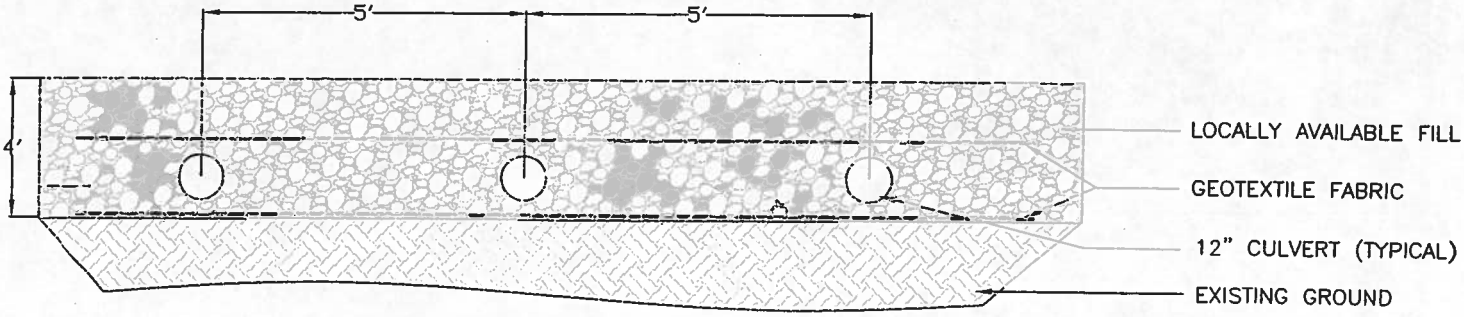
Date: 7/1/04



	Kongiganak Water Storage Tank Project Figure 2: Site Plan	
Project: Kongiganak Water Storage Tank Project	Applicant: Village of Kongiganak P.O. Box 5069 Kongiganak, AK 99559	Scale: N.T.S.
Purpose: Increase available public water supply		Location: 59 57'27" N 162 53'23" W
Adjacent Property Owners: Chalista Corp. and Kongiganak Traditional Council	Agent: Summit Consulting Services, Inc. 4500 Business Park Blvd., C-10 Anchorage, AK 99503	Township 2 South, Range 79 West, Seward Meridian, USGS Quad D-3 Date: 8/25/04



1/3 TYPICAL ROAD ACCESS CROSS-SECTION
SCALE: N.T.S.



2/3 ACCESS ROAD CROSS-SECTION AT WEST LAKE DRAINAGE
SCALE: N.T.S.

Project: Kongiganak Water Storage Tank Project Purpose: Increase available public water supply Adjacent Property Owners: Chalista Corp. and Kongiganak Traditional Council	Kongiganak Water Storage Tank Project Figure 3: Access Road Cross Section Applicant: Village of Kongiganak P.O. Box 5069 Kongiganak, AK 99559 Agent: Summit Consulting Services, Inc. 4500 Business Park Blvd., C-10 Anchorage, AK 99503	Scale: Not To Scale Location: 59 57'27" N 162 53'23" W Township 2 South, Range 79 West, Seward Meridian, USGS Quad D-3 Date: 7/1/04

Appendix A: Supplemental Photos

Kongiganak Water Storage Tank Project - Site Photos

Picture 1: Looking south at the footprint for the Water Storage Tank during thermistor well drilling

Picture 2: Looking east at the footprint for the Water Storage Tank during thermistor well drilling

Picture 3: Looking west along the route for the temporary access road

Area where fill extends into East Lake

Picture 4: Looking south along the route for the temporary access road

Appendix B: US ACE Flood Information

Kongiganak | Council Office: (907) 557-5225 | Revised:

STATUS	unincorporated	LAST FLOOD EVENT	
POPULATION	359	FLOOD CAUSE	
BUILDINGS		ELEVATION	
RIVER SYSTEM	Kongnignanohk River	FLOOD OF RECORD	
COASTAL AREA	Kuskokwim Bay	FLOOD CAUSE	
		ELEVATION	
NFIP STATUS	not participating	WORST FLOOD EVENT	
FLOODPLAIN REPORT	no	FLOOD CAUSE	
FLOOD INSURANCE STUDY	no	FLOOD GAUGE	no

Comments: The 100-year flood or Base Flood Elevation has been calculated to be 20.7 ft MLLW. Most of the community is located at 30 ft MLLW. The community is located 5.5 miles upstream of the mouth of the Kongnignanohk River but is still susceptible to coastal storms.

Floodplain Manager (907) 753-2610

Appendix C: Department of the Army Wetlands Permit

This notice of authorization must be conspicuously displayed at the site of work.

United States Army Corps of Engineers
KUSKOKWIM RIVER

AUGUST 9 2004

2004

A permit to DISCHARGE APPROXIMATELY 8,500 CUBIC YARDS OF FILL MATERIAL DURING CONSTRUCTION OF A WATER STORAGE PAD AND ACCESS ROAD.

At KONGIGANAK, ALASKA

AUGUST 9 2004

has been issued to THE VILLAGE OF KONGIGANAK 2004

Address of Permittee P.O. BOX 5069, KONGIGANAK, AK 99559-5069

Permit Number

POA-2004-1002

Allan G. Skinner

FOR: *District Commander*
ALLAN G. SKINNER
REGULATORY SPECIALIST

ENG FORM 4336, Jul 81 (33 CFR 320-330) EDITION OF JUL 70 MAY BE USED (Proponent: CECW-O)

DEPARTMENT OF THE ARMY
U.S. ARMY ENGINEER DISTRICT, ALASKA
P.O. BOX 6898
ELMENDORF AFB, ALASKA 99506-6898

REPLY TO
ATTENTION OF:

AUGUST 9 2004

Regulatory Branch
North Section
POA-2004-1002

Mr. Christopher Wrobel
Summit Consulting Services, Inc.
4500 Business Park Boulevard, Suite C-10
Anchorage, Alaska 99503-7120

Dear Mr. Wrobel:

Enclosed is the signed Department of the Army permit, file number POA-2004-1002, Kuskokwim River, authorizing the discharge of approximately 8,500 cubic yards of fill material in the construction of a water tank pad and an access road at Kongiganak, Alaska. Also enclosed is a Notice of Authorization which should be posted in a prominent location near the authorized work.

If changes in the plans or location of the work are necessary for any reason, plans should be submitted to this office promptly. Federal law requires approval before construction is begun; if the changes are unobjectionable, approval will be issued without delay.

Nothing in this letter shall be construed as excusing you from compliance with other Federal, State, or local statutes, ordinances, or regulations which may affect the proposed work.

Please take a moment to complete and return the enclosed questionnaire. Our interest is to see how we can continue to improve our service to you, our customer, and how best to achieve these improvements. Upon your request, you may also provide additional comments by telephone or a meeting. We appreciate your efforts and interest in evaluating the Regulatory Program.

Please contact me at 753-2716, or by mail at the address above, ATTN: CEPOA-CO-R-N, if you have questions. For additional information about our Regulatory Program, visit our web site at www.poa.usace.army.mil/reg.

Sincerely,

Allan G. Skinner

Allan G. Skinner
Regulatory Specialist

Enclosures

DEPARTMENT OF THE ARMY PERMIT

Permittee: Village of Kongiganak, Alaska

Permit No.: POA-2004-1002, Kuskokwim River

Issuing Office: U.S. Army Engineer District, Alaska

NOTE: The term "you" and its derivatives, as used in this permit, means the permittee or any future transferee. The term "this office" refers to the appropriate district or division office of the Corps of Engineers having jurisdiction over the permitted activity or the appropriate official of that office acting under the authority of the commanding officer.

You are authorized to perform work in accordance with the terms and conditions specified below.

Project Description: Discharge approximately 8,500 cubic yards of fill material on .75 acres of wetlands (Waters of the United States) for the construction of a water storage tank pad and access road to the pad site.

"Standard Procedures (33 CFR Part 325.2(a) were not followed in granting this authorization".

All work will be performed in accordance with the attached plan, sheets 1-3, dated July 1, 2004.

Project Location: Within section 32, T. 3 S., R. 80 W., Seward Meridian, at Kongiganak, Alaska

Permit Conditions:

General Conditions:

1. The time limit for completing the work authorized ends on July 31, 2007. If you find that you need more time to complete the authorized activity, submit your request for a time extension to this office for consideration at least one month before the above date is reached.

2. You must maintain the activity authorized by this permit in conformance with the terms and conditions of this permit. You are not relieved of this requirement if you abandon the permitted activity, although you may make a good faith transfer to a third party in compliance with General Condition 4 below. Should you wish to cease to maintain the authorized activity or should you desire to abandon it without a good faith transfer, you must obtain a modification of this permit from this office, which may require restoration of the area.

3. If you discover any previously unknown historic or archeological remains while accomplishing the activity authorized by this permit, you must immediately notify this office of what you have found. We will initiate the Federal and State coordination required to determine if the remains warrant a recovery effort or if the site is eligible for listing in the National Register of Historic Places.

5. Reevaluation of Permit Decision. This office may reevaluate its decision on this permit at any time the circumstances warrant. Circumstances that could require a revaluation include, but are not limited to, the following:

a. You fail to comply with the terms and conditions of this permit.

b. The information provided by you in support of your permit application proves to have been false, incomplete, or inaccurate (See 4 above).

c. Significant new information surfaces which this office did not consider in reaching the original public interest decision.

Such a reevaluation may result in a determination that it is appropriate to use the suspension, modification, and revocation procedures contained in 33 CFR 325.7 or enforcement procedures such as those contained in 33 CFR 326.4 and 326.5. The referenced enforcement procedures provide for the issuance of an administrative order requiring you to comply with the terms and conditions of your permit and for the initiation of legal action where appropriate. You will be required to pay for any corrective measures ordered by this office, and if you fail to comply with such directive, this office may in certain situations (such as those specified in 33 CFR 209.170) accomplish the corrective measures by contract or otherwise and bill you for the cost.

6. Extensions. General Condition 1 establishes a time limit for the completion of the activity authorized by this permit. Unless there are circumstances requiring either a prompt completion of the authorized activity or a reevaluation of the public interest decision, the Corps will normally give favorable consideration to a request for an extension of this time limit.

Your signature below, as permittee, indicates that you accept and agree to comply with the terms and conditions of this permit.

Christy Wolf - AGENT — 8/04/04

(PERMITTEE) AND TITLE — (DATE)

This permit becomes effective when the Federal official, designated to act for the Secretary of the Army, has signed below.

Allan G. Skinner — August 9, 2004

(DISTRICT ENGINEER) — (DATE)

Colonel Timothy J. Gallagher
Allan G. Skinner, Regulatory Specialist
North Section, Regulatory Branch

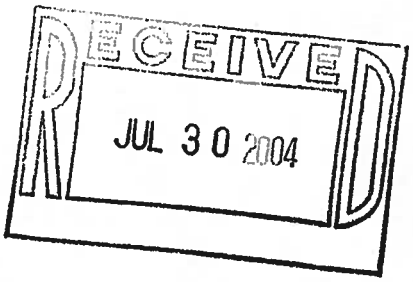
When the structures or work authorized by this permit are still in existence at the time the property is transferred the terms and conditions of this permit will continue to be binding on the new owner(s) of the property. To validate the transfer of this permit and the associated liabilities associated with compliance with its terms and conditions have the transferee sign and date below.

(TRANSFEREE) — (DATE)

DEPARTMENT OF THE ARMY
U.S. ARMY ENGINEER DISTRICT, ALASKA
P.O. BOX 6898
ELMENDORF AFB, ALASKA 99506-6898

REPLY TO
ATTENTION OF:

JULY 29 2004



Regulatory Branch
North Section
POA-2004-1002

Mr. Christopher Wrobel
Summit Consulting Services, Inc.
4500 Business Park Boulevard, Suite C-10
Anchorage, Alaska 99503-7120

Dear Mr. Wrobel:

Enclosed are two copies of Department of the Army permit POA-2004-1002, Kuskokwim River, which would authorize the placement of approximately 8,500 cubic yards of fill material in the construction of a water tank pad and an access road within section 32, T. 3 S., R. 80 W., Seward Meridian, at Kongiganak, Alaska.

The Alaska Department of Environmental Conservation has issued a Waiver pursuant to Section 401 of the Clean Water Act for your project and they have found it to be in accordance with the Alaska Water Quality Standards. In addition, the Alaska Department of Natural Resources has also waived certified of the project.

Additionally, we have enclosed a Notification of Administrative Appeals Options and Process and Request for Appeal form regarding this Department of the Army Permit (see section labeled "Initial Proffered Permit").

If you accept the conditions of the enclosed permit, please sign and date both copies and return them to us. The permit will not be valid until we have returned a finalized copy to you. It should be understood that this is not an authorization to commence construction. No work is to be performed in the waterway or adjacent wetlands until you have received a validated copy of the permit.

Nothing in this letter shall be construed as excusing you from compliance with other Federal, State, or local statutes, ordinances, or regulations which may affect this work.

Please contact me at 753-2716, or by mail at the address above, ATTN: CEPOA-CO-R-N, if you have questions concerning this matter. For additional information about our Regulatory Program, visit our web site at www.poa.usace.army.mil/reg.

Sincerely,

Allan G. Skinner

Allan G. Skinner
Regulatory Specialist

Enclosures

US Army Corps
of Engineers

Alaska District
Regulatory Branch (1145b)
Post Office Box 898
Anchorage, Alaska 99506-0898

Public Notice

Date: 7 APRIL 2000

Identification No SPN-00-05

In reply refer to above Identification Number

SPN-00-05
ALTERNATIVE PERMIT PROCESSING PROCEDURE 93-1
DISCHARGE OF DREDGED AND/OR FILL MATERIAL
FOR WATER, WASTEWATER, AND SANITATION FACILITIES
IN ALASKAN VILLAGES

The District Engineer, Alaska District, Corps of Engineers, has issued an Alternative Permit Processing procedure 93-1(APP 93-1) for certain activities under authority of Section 404 of the Clean Water Act (Public Law 95-217, 33 U.S.C. 1344 et seq.) and Section 10 of the Rivers and Harbors Act of 1899 (33 U.S.C. 403) to authorize the placement of dredged and/or fill material and structures into waters of the United States (U.S.), including wetlands, for activities associated with individual and community sanitation systems, along with their associated support facilities, in villages throughout Alaska.

In response to Special Public Notice 99-04, dated March 18, 1999, proposed APP 93-1 was revised to reflect comments submitted by local, State, and Federal agencies and the interested public. Based on a review of all pertinent information, including a prepared Environmental Assessment, I have concluded that issuance of this procedure will not have more than minimal adverse impact on the environment and is not contrary to the public interest.

This APP establishes an expedited procedure to authorize the placement of dredged and fill material into waters of the U.S. including wetlands, and the placement of structures in navigable waters, associated with the construction of sanitary facilities within Alaska, primarily in rural areas. Sanitation facility is herein defined as a facility that is designed to provide clean water or remove domestic waste from the local environment and consists principally of individual wells and septic systems, as well as community sewer, septic and water systems. Solid waste disposal sites (landfills), soil remediation facilities and industrial or commercial water and wastewater treatment facilities are excluded from this definition and from this APP.

Applications for review under this APP are restricted to projects funded by Federal and State agencies, primarily the U.S. Indian Health Service (IHS), Alaska Area Native Health Service (AANHS); Federally Recognized Alaskan Tribes carrying out IHS programs under PL 93-638; and the State of Alaska Village Safe Water Program (VSWP). Applications for projects funded by other State or Federal agencies will be reviewed under the pre-application procedures described herein, as will applications in which funding is only partially State or Federal.

Applicants wishing to perform work under APP 93-1 must review these terms and conditions carefully and submit a letter or application with appropriate information and project drawings to the Corps of Engineers to receive confirmation that their work would be covered under this APP. No work can proceed without that confirmation. If the proposed work does not meet the requirements of the terms

and conditions, the APP does not apply and the application would be processed under individual permit processing procedures.

APP 93-1 has been issued for a period of five years, effective the date of the signature shown on the last page of the procedure. The DE may at any time during this five-year period alter, modify, suspend, or revoke this procedure if he/she deems such action to be in the public interest.

Any questions or request for additional information should be directed to: Alaska District, Corps of Engineers, ATTN: David S. Hobbie, Regulatory Branch, Post Office Box 898, Anchorage, Alaska 99506; phone (907)753-2712, toll free in Alaska at (800)478-2712, or e-mail at David.S.Hobbie@poa02.usace.army.mil

District Engineer
U.S. Army Corps of Engineers

ALTERNATIVE PERMIT PROCESSING PROCEDURE 93-1
FOR WATER, WASTEWATER, AND SANITATION FACILITIES IN ALASKA

INTRODUCTION

This Alternative Permit Processing procedure (APP) is intended to expedite the processing of projects for which all substantive issues can be resolved in an abbreviated time frame. A permit decision will normally be rendered within 30 days as noted under the procedures section. A recipient of a permit shall be referred to as a permittee. All activities authorized by the APP will be subject to the following general and special conditions. Deviation from particular special conditions may be considered on a case by case basis.

APPLICABILITY

This APP applies to permit applications for the discharge of dredged and/or fill material in waters of the United States (U.S) for the primary purpose of construction or upgrade of community sanitation facilities, primarily water systems, and wastewater and sewer facilities, along with associated support facilities (such as access roads, washeterias, or water tanks) throughout Alaska. The APP is intended for projects constructed and/or funded by U.S. Indian Health Service(IHS), Federally Recognized Alaskan Tribes carrying out IHS programs under PL 93-638, the Alaska Village Safe Water Program (VSWP), or other local, state, or Federal entities. It is not the intent of this APP to consider projects in major population centers such as the Municipality of Anchorage, Fairbanks, Juneau, Sitka, Ketchikan, Kenai, Homer, Seward, Petersburg, Wasilla, Palmer, Unalaska/Dutch Harbor, Naknek, Bethel, King Salmon, Soldotna, Dillingham, Kodiak, Valdez, Cordova or other large communities. However, projects in such locations may be considered on a case by case basis with written justification (i.e. Environmental impacts, Alternatives etc.). Solid waste disposal sites (landfills) and soil remediation facilities are excluded from this process, as are industrial or commercial waste and wastewater disposal and treatment facilities.

REQUIREMENTS FOR APP USE

This APP includes the General Conditions listed in DA Permit, ENG form 1721, Nov 86, a copy of which is attached, and the Special Conditions and Procedures found in the text that follows. All General and Special Conditions must be met in order for the work to be authorized under the APP. If the proposed work does not meet the requirements of the terms and conditions, this APP will not apply (except as noted above), and the application will be processed as an application for an individual DA permit under the standard processing procedures with a separate Public Notice per 33 CFR 325.2. If work is authorized, failure to comply with these conditions and the terms of the APP may result in suspension of the work, revocation of the permit, removal of the fill, restoration of the wetlands, and/or imposition of penalties as provided by law. No work shall be performed under this APP until it has been specifically authorized by DA, as described in paragraphs "C" and "D" under procedures.

SPECIAL CONDITIONS:

1. Land clearing, and fill in wetlands must be limited to the amount reasonably necessary for the construction of proposed facilities. To the extent feasible and prudent this includes minimizing and consolidating all facilities, especially transportation corridors and crossings of anadromous fish streams. Also, dimensions of fill pads for buildings, sewage lagoons, access roads, driveways, and related features shall not exceed five acres within Waters of the United States. Additionally, within the five acres, the combined length of access roads must not

exceed 5,000', and written justification must be provided if the proposed road length exceeds 2,000 linear feet.

2. The boundaries of fill areas in wetlands must be staked or flagged every 100 feet prior to construction to prevent inadvertent encroachment of wetlands.

3. If fuel storage tanks must be placed within 200 feet of any open water body, they must be of less than 10,000 gallons capacity, placed within an impermeable dike of 110 percent capacity of the largest independent container, and written justification for this placement along with leak and spill prevention specifications must be provided to the Corps. In addition, all fuel storage shall meet all Local, State and Federal storage and handling requirements.

4. Disturbed ground and exposed soil not covered with fill, structures, or other features must be stabilized and revegetated with native species vegetation in an appropriate and timely manner to minimize erosion and sedimentation, so that a durable vegetation cover is established and maintained.

5. Projects proposing placement of fill in Waters of the United States within 100' of the ordinary high water mark or high tide line of any open water body, including streams, sloughs, rivers, ponds, lakes, estuaries, marine waters, or permanently flooded emergent wetlands, must provide written justification of this necessity. When fill is required within 100' of any open waterbody, a vegetation buffer shall be left in place between the waterbody and the facility. A plan to incorporate a buffer must be included with the application.

6. To the extent practicable, the fill must consist of clean, uncontaminated gravel or rock. If petroleum contaminated (crude oil or refined oil products) material is used, a written justification demonstrating that the material has been treated to meet ADEC cleanup standards for reuse and other ADEC requirements in effect at the time, must accompany the permit application. The justification must include test data, required and approved by ADEC, documenting that the treated material meets the relevant ADEC standards.

7. The discharge of treated material adjacent to (within 100 feet) or in anadromous fish streams must be coordinated with the Alaska Department of Fish and Game (ADFG). If the fill consists of treated petroleum contaminated material, written justification must be submitted and an ADFG Title 16 permit must be received.

8. If permafrost is present, gravel thickness or insulation shall be sufficient to prevent thermal degradation.

9. Natural drainage patterns must be maintained using appropriate ditching, culverts, storm drain systems and other measures, to the extent practicable, without introducing ponding or drying. Excessive ponding and/or dewatering of areas adjacent to fill areas shall indicated non-compliance of this condition.

10. In no instance shall tundra or other natural ponds be permitted for primary sewage treatment. In an instance where a natural pond is to be converted into secondary treatment written justification must be submitted with the permit application.

11. No activities shall be conducted in waters specified as being important for the spawning, rearing, or migration of anadromous fish under AS 16.05.870(a) without prior authorization from the ADFG. Applicants shall obtain and comply with any ADFG Fish Habitat Permit issued under AS 16.05.870, if a permit is required.

12. No activities shall be conducted in a fish stream that could interfere with the free upstream and downstream passage of fish without prior authorization from the ADFG. Applicants shall obtain and comply with any ADFG Fish Habitat Permit issued under either AS 16.05.840 or .870, if a permit is required.

13. The Permittee shall stabilize and maintain dredged and/or fill material in areas subject to Corps of Engineers' jurisdiction so that erosion of sediment into adjacent waters or wetlands is avoided.

14. Storage, transport, and disposal of excavated material within Waters of the United States must be managed to prevent sedimentation of adjacent wetlands and waters, and to prevent leachate from causing odor problems or degradation of water quality. Excavated materials must be stored and disposed at least 100' from any waterbody. If the storage or disposal of the material is within 100' of the waterbody, written justification must be provided. Excavation of overburden must be followed by placement of fill within the shortest reasonable time, so that substrate is not left exposed for extended periods.

15. Storage facilities for toxic or hazardous wastes shall meet Local, State and Federal requirements for storage and handling of such materials.

16. The applicant shall provide evidence of consultation (with permit application)with the Federal Aviation Administration concerning distance from clear zones of airports so that birds attracted to sewage lagoons are not a hazard to airport traffic.

17. Reasonable precautions and controls must be used during construction to prevent incidental and accidental discharge of petroleum products. Materials such as sorbent pads and booms must be readily available on-site, and must be used to contain and cleanup any petroleum product spilled as a result of construction activity.

18. Federal applicants must consult with State Historic Preservation Officer (SHPO) and, if necessary, the Advisory Council on Historic Preservation (Council) on the effects of their projects on historic properties, as per Section 106 of the National Historic Preservation Act. Should an adverse effect to historic properties be identified, DA will become an interested party to the consultation, and local historic councils will be notified. State applicants must consult with DA and SHPO to accomplish the same purpose. When the applicant is the State, DA will assume lead agency role in Section 106 consultation unless there are extenuating circumstances.

19. If, during prosecution of the work, previously unknown archeological or historic remains are located, the permittee shall immediately inform this office (753-2712; (800) 478-2712), local historic councils (if present) and SHPO (269-8721) of what has been found. In the case of a Federal applicant, the applicant and SHPO shall determine if the remains are eligible for inclusion in the National Register of Historic Places and determine, in consultation with the Council, any appropriate mitigation. The DA shall function as an interested party. In the case of a State applicant, the DA shall take the lead agency role in consultation.

20. Pursuant to Section 7(a)(2) of the Endangered Species Act of 1973 (Act), the proposed activity shall not adversely affect any species listed as threatened or endangered under the Act. Additionally, the proposed activity shall not jeopardize the continued existence of any proposed species under the Act. All applicants must contact the U.S. Fish and Wildlife Service (USFWS) and the NMFS to determine whether any listed or proposed species may be present at the site of the proposed activity and include documentation of this in their application. The Corps shall, as required by section 7 of the Act, consult with USFWS and the NMFS once applications are complete. If it is determined that listed species are likely to be adversely affected, and/or proposed species are likely to be jeopardized by the permitted action or related activities, this APP shall not apply to this specific activity, or shall be suspended until Section 7 Consultation is complete.

21. The activity shall not be located within 660' of an eagle nest site unless the USFWS determines that the activity will not adversely impact the eagles. The

applicant has additional responsibilities to protect eagles under provisions of the Bald Eagle Protection Act.

22. There shall be no discharges authorized in a National Wildlife Refuge, existing or nominated Wild and Scenic River, National Park system unit, or other National Conservation Area lands without prior consultation with the appropriate agencies and unless the activity is specifically authorized by the appropriate land management agencies prior to initiating the work.

23. There shall be no discharges authorized in designated State Critical Habitat Areas, Game Refuges, Sanctuaries, or Areas Which Merit Special Attention (which have been incorporated into the coastal zone management plan) without prior consultation and unless the activity is specifically authorized by the appropriate land management agencies prior to initiating the work.

24. This APP does not supersede activities currently covered by DA nationwide permits. No additional authorization is required from the DA for nationwide-permitted activities, if all terms and conditions of the applicable nationwide permit(s) are met.

25. This authorization does not obviate the need for other Federal, State, and local permits, licenses, or approvals that may be required for the proposed work.

OTHER INFORMATION

The Alaska District has fulfilled the Essential Fish Habitat (EFH) consultation requirement with the National Marine Fisheries Service. Since the EFH recommendations have been adopted as management area prescriptions, no further EFH consultation is required. In the event that any deviation from these recommendations is proposed, an individual EFH consultation will be necessary.

PROCEDURES

A. An applicant desiring authorization under this APP must submit a description of the proposed work to: U.S. Army Corps of Engineers, Regulatory Branch, Post Office Box 898, Anchorage, Alaska 99506-0898. An application will be considered complete when the following elements are present:

(1) Plans (8-1/2" x 11") which clearly show the proposed fill and structures to be built thereon, including dimensions, in overview and cross section;

(2) A vicinity map and description of the location of the project, including Section Township, Range, and Meridian; and/or legal description (lot, block, survey number)

(3) The quantity (in cubic yards), type, and source of fill material to be discharged; amount to be stockpiled and its footprint, if in wetlands;

4) Information regarding prior disturbance if any

(5) The name and location of the nearest waterbody as well as any known drainages surrounding the facility;

6) The purpose of the fill (e.g foundation for building road, sewer project, etc ;

(7) A written justification should any of the following apply: (a) any fill (including any fuel storage facility) within 100' of an open water body and a plan for a vegetation buffer must also be included in this instance; b) any use of treated fill; c) conversion of a tundra pond into a sewage lagoon; d) if the project

is associated with a "large" town such as those on the list on page 1; and e) any other unusual circumstance;

(8) A discussion of other alternatives (location, methods, size) considered and sources & sites. SHPO

(9) Aerial photography of the site, if reasonably available

The application is considered complete when the applicant furnishes the required information above, documentation of initial consultation with the appropriate agencies on endangered species, essential fish habitat, wildlife hazards, and cultural resources, and appropriate information necessary to demonstrate the project complies with the terms and conditions of this APP.

A pre-application meeting may also be scheduled if involved parties are agreeable to such a meeting, or if the proposed project could be considered controversial.

B. When the DA determines the application is complete, meets the terms and conditions of the procedure, and that there would be minimal impact, the application and supporting material will be faxed to the appropriate commenting agencies and any interested party for a period of 15 calendar days.

Commenting agencies, the affected coastal district(s), and interested parties have the right to verbally comment within the 15 calendar days and request a 10-calendar-day extension to furnish written comments by mail, fax, or e-mail. If the matter is resolved in writing or by telephone within the extension period, DA shall issue the permit.

If any commenting party, within the 15-day review period, states in writing, by FAX, by e-mail, or by telephone that the project does not fit the terms of the APP or should not be issued under the APP, the application will be processed under individual DA permit procedures with a separate public notice [33 CFR Part 325.2(a)(1-5)].

Because procedures under the 404(q) Memorandum of Agreement (MOA) fully apply under the APP procedure, NMFS, USFWS, and/or the Environmental Protection Agency may maintain that issues have not been resolved, and request additional time to provide comments. Such requests for time extensions will follow and fully comply with the respective 404(q) MOA. Parties other than Federal agencies will also have an opportunity to provide comments when a time extension has been granted.

C. It is the goal of the DA to render a permit decision within 30 calendar days of the receipt of a complete application. In the event the applicant has not been contacted by the DA within 30 calendar days of receipt of the application, the applicant may seek oral authorization to proceed. Oral authorization will be granted only after a decision to issue the permit has been made, a 404(b)(1) evaluation has been completed, and only in cases where there are no unresolved issues. Oral authorization will be followed immediately (normally within one working day) by written authorization.

D. Once the decision has been made to authorize the proposed work, a permit will be drafted for the applicant's signature. After the applicant signs two copies of the permit, the DA will countersign the documents and return one copy to the applicant along with an Authorization Notice. The permit form will carry the following sentence: "Standard procedures [33 CFR Part 325.2(a)] were not followed in granting this authorization."

MONITORING

The applicant shall provide copies of plans (cross sections and plan views) to DA once each project is finished. These shall be compiled yearly in December and January and, along with a summary of the projects completed and the acreage affected

provided to the commenting agencies and interested parties that request to receive the reports.

Periodic field inspections of projects authorized under the APP shall be undertaken by this office. Reports shall be prepared for all field inspections and entered into the official file. The Regulatory Branch shall maintain a file of APP related documents and monitoring efforts. Information contained in the APP file shall provide the basis for the decision whether or not to renew or revise the APP.

EXTENSION, MODIFICATION AND REVOCATION OF ABBREVIATED PERMIT PROCEDURE

This APP will be in effect for a period of 5 years. At the end of the 5-year period, an evaluation of the APP procedure will be made and at that time, it will be decided whether or not this APP should be renewed. This APP may be modified or revoked by issuance of a Public Notice at any time the DE determines that it is appropriate to do so. Following such revocation any future activities in areas covered by this APP will be processed as standard individual permits.

FOR THE DISTRICT ENGINEER:

Don M. Kohler
Alaska District, Corps of Engineers

3/31/00
Date

T TE OF ALASKA

DS

TONY KNOWLES, GOVERNOR

PIPELINE COORDINATOR'S OFFICE
411 WEST 4TH AVENUE, SUITE 2C
ANCHORAGE, ALASKA 99501-2343
PH: (907) 271-4317/FAX: (907) 272-0690

David Hobbie
U.S. Army Corps of Engineers
Regulatory Branch, (1145b)
Post Office Box 898
Anchorage, AK 99506-0898

Dear Mr. Hobbie:

SUBJECT: FINAL CONSISTENCY RESPONSE
APP 93-1
STATE I.D. NO. AK 9903-13AA

The Division of Governmental Coordination (DGC) has completed the review of your project for consistency with the Alaska Coastal Management Program (ACMP). This consistency determination applies to the federal consistency determination required for the project per 15 CFR 930 Subpart C. On February 2, 2000 you were issued a proposed consistency response for your project. This is the State's final consistency response.

The project is the re-issuance of Alternative Permit Processing procedure 93-1 (APP 93-1) "Discharge of Dredged and/or Fill Material for Water, Wastewater, and Sanitation Facilities in Alaskan Villages". The APP 93-1 applies to permit applications for the discharge of dredged or fill material into waters of the United States for the primary purpose of construction or upgrade of community sanitation facilities, primarily water systems, and wastewater and sewer facilities, and for their associated support facilities (such as access roads, washeterias, or water tanks) throughout Alaska. The APP is intended for projects constructed, and/or funded by the U.S. Indian Health Service (IHS), Federally recognized Alaskan Tribes carrying out IHS programs under PL 93-638, the Alaska Village Safe Water Program (VSWP), or other local, state or federal entities. It is not the intent of the APP to consider projects in major population centers (Anchorage, Fairbanks, Juneau, Sitka, Ketchikan, Kenai, Homer, Seward, Petersburg, Unalaska/Dutch Harbor, Wasilla, Palmer, King Salmon/Naknek, Soldotna, Dillingham, Bethel, Kodiak, Valdez, and Cordova). However, projects in such locations may be considered on a case by case basis with written justification. The APP excludes solid waste disposal sites (landfills), soil remediation facilities, and industrial or commercial

1-A95LH

waste and wastewater disposal and treatment facilities from this process. Your project was reviewed for consistency by the Alaska Departments of Natural Resources, Environmental Conservation, and Fish and Game, and the Coastal Districts and Coastal Resource Service Areas (CRSA) throughout the State. The State agrees the activity is consistent to the maximum extent practicable with the following alternative measures:

1 Fuel Storage shall not be permitted within 200' of a water body (i.e., rivers, streams, lakes, wells, wetlands, or marine waters which provide domestic or public water supplies, support anadromous fish populations, or are adjacent to areas of human settlement or use which are highly susceptible to petroleum contamination) or within the 100 year floodplain, whichever is greater, unless written justification is submitted which clearly describes:

- Why such placement is unavoidable, and
- The precautions that will be taken to prevent uncontained leaks and/or spills. (KPB EP 13.2b., AWCRSA EP C-10, Hoonah EP 1.5)

2 Fuel storage tanks shall be provided with at least one mechanical or operational means to minimize the potential for tank overfilling:
Note: Mechanical float devices are not recommended, as they have a high failure rate in the Alaskan environment.

3 Petroleum storage tanks shall be located within a secondary containment structure, or structures, that have the capacity to hold the volume of the largest tank within the containment area, plus enough additional capacity to allow for local precipitation (typically 110%).

- In Aleutians West CRSA and Aleutians East Borough secondary containment volume must equal 115% of the largest independent container/tank plus 12" of freeboard.

4. The secondary containment structure(s) must be fully impermeable, with ground surfacing and berms, dikes, or retaining walls constructed of impermeable materials, or lined with impermeable materials. (This requirement includes the ground under the tanks, in order to prevent the release of spilled or leaked petroleum from the containment area).

5 Each containment structure must be constructed so that it can be drained of accumulated water through a secure valve with a locking mechanism to prevent unauthorized discharge. Water discharged from the containment area, and runoff discharged from fuel dispensing facilities must meet the AK Water Quality Standards in 18 AAC 70. Any sheen present on the accumulated water must be removed by using sorbent pads, an oil/water separator, or other effective means prior to discharge.

6. To assist in leak detection, all piping, to the extent practicable, must be above ground. Examples of possible exceptions are road crossings, containment dike penetrations, and piping in utiladors. Aboveground piping must be placed on pipe supports that prevent chaffing and corrosion. Underground piping must be adequately protected against corrosion.

7. In the Bering Straits CRSA, a Plan of Operation for Recovery, Storage, and Transport of Spilled Petroleum or Petroleum Products must be prepared for storage of 5,000 gallons or more. (Bering Straits CRSA C-9)

8. In KPB and the City of Haines, all culverts and drainage structures located in known floodplains must be adequately sized and positioned to accommodate a 100-year flood event. (KPB EP 3.1 and 3.2, Haines EP E.3)

9. In Aleutians West CRSA, Aleutians East Borough, Cenaliulriit CRSA, Bering Straits CRSA, and the Hoonah Coastal District culverts shall be designed, constructed, and maintained to accommodate, at a minimum, the best available estimate of the 25 year flood peak discharge. (Aleutians West CRSA EP B-4, Aleutians East Borough A-5, Cenaliulriit CRSA EP B-3, Bering Straits CRSA EP B-13, Hoonah EP 6.7 b)

Rationale: The measures in items 1-9 are necessary to prevent adverse impacts to State Waters and Waters of the U.S. and minimize negative impacts to water quality, channel substrate and important fish and wildlife habitat. (6 AAC 80. 130 "Habitats", 6 AAC 80.140 "Air, Land, and Water Quality").

The alternative measures are necessary to ensure consistency with the state standards and district policies enclosed in the Proposed Consistency Determination issued on February 2, 2000. Copies of the relevant ACMP statewide standards and district policies were enclosed with the proposed finding.

This final consistency determination represents a consensus reached between you as the project proponent and the reviewing agencies listed above, as provided under 6 AAC 50.70(k), regarding the conditions necessary to ensure the proposed project is consistent to the maximum extent practicable with the ACMP.

The following State permit is also needed for the project:

Alaska Department of Environmental Conservation (DEC)
Section 401
Certificate of Reasonable Assurance

Other Concerns or Advisories

Please be advised that although the State has found the project consistent with the ACMP, based on your project description and any modifications contained herein, you

are still required to meet all applicable State and federal laws and regulations. Your consistency determination may include reference to specific laws and regulations, but this in no way precludes your responsibility to comply with other applicable laws and regulations.

DNR has provided the following advisory: *Please be advised that any use of state owned land managed by the DNR may require a land use authorization and a separate public notification process. This includes use of state owned uplands, tidelands, or submerged lands. Applicants are responsible to ascertain whether their proposed project or activity is located on state land and whether an authorization is required from DNR. Applicants are also advised that unauthorized use of state land, tide, or submerged land, water or materials is subject to trespass action by the State. Applicant should contact the DNR Public Information Center at 550 W. 7th Avenue, Suite 1260; Anchorage, AK 99501-3564 or call (907) 269-8400 to confirm whether their project is located on state land.*

If changes to the approved project are proposed prior to or during its siting, construction, or operation, you are required to contact this office immediately to determine if further review and approval of the revised project is necessary. If the actual use differs from the approved use contained in the project description, the State may amend the State approvals listed in this consistency determination.

This consistency determination does not obligate DNR to issue authorization under AS 38.05, nor does it supersede the statutory obligations thereunder. You may not proceed with any specific land use activity on the subject State lands until authorized by DNR/Division of Mining, Land and Water. Authorities outside the ACMP may result in additional permit/lease conditions not contained in the consistency decision.

Should cultural or paleontological resources be discovered as a result of this activity, we request that work which would disturb such resources be stopped, and that the State Historic Preservation Office (269-8715) and the U.S. Army Corps of Engineers (COE) (753-2712) be contacted immediately so that consultation per section 106 of the National Historic Preservation Act may proceed.

This final consistency determination is a final administrative decision for purposes of Alaska Appellate Rules 601-612. Any appeal from this decision to the superior court must be made within 30 days of the date of this determination.

Thank you for your cooperation with the ACMP.

Sincerely

Jennifer Nolan Wing

STATE OF ALASKA

DEPT. OF ENVIRONMENTAL CONSERVATION

DIVISION OF AIR AND WATER QUALITY
NON-POINT SOURCE WATER POLLUTION CONTROL

TONY KNOWLES, GOVERNOR

555 Cordova Street
Anchorage, AK 99501-2617
Phone: (907) 269-7564
Fax: (907) 269-7508
TTY: (907) 269-7511
http://www.state.ak.us/dec/

February 15, 2000

Certified Mail Z526 022 522
Return Receipt Requested

David Hobbie
U.S. Army Corps of Engineers
Regulatory Branch, (1145b)
PO Box 898
Anchorage, AK 99506

Re: Amendment to Certificate of Reasonable Assurance
APP 93-1
State I.D. No. AK 99-0312AA

Dear Mr. Hobbie:

This letter amends the referenced certification issued to the Corps of Engineers on March 1, 1994, in accordance with Section 401 of the federal Clean Water Act and provisions of the Alaska Water Quality Standards. The subject certification is re-issued with the following conditions as required by the Alaska Coastal Management Program:

Fuel storage shall not be permitted within 200' of a water body (i.e., rivers, streams, lakes, wells, wetlands, or marine waters which provide domestic or public water supplies, support anadromous fish populations, or are adjacent to areas of human settlement or use which are highly susceptible to petroleum contamination) or within the 100 year floodplain, whichever is greater, unless written justification is submitted which clearly describes:

*Why such placement is unavoidable, and
*The precautions that will be taken to prevent uncontained leaks and/or spills.

2. Fuel storage tanks shall be provided with at least one mechanical or operational means to minimize the potential for tank overfilling.

3 Petroleum storage tanks shall be located within a secondary containment structure or structures, that have the capacity to hold the volume of the largest tank within the containment area, plus enough additional capacity to allow for local precipitation (typically 110%).

In Aleutians West CRSA and Aleutians East Borough, secondary containment volume must equal 115% of the largest independent container plus 12" of freeboard.

4 The secondary containment structure(s) must be fully impermeable, with ground surfacing and berms, dikes, or retaining walls constructed of impermeable materials, or lined with impermeable materials. This requirement includes the ground under the tanks, in order to prevent the release of spilled or leaked petroleum from the containment area.

5 Each containment structure must be constructed so that it can be drained of accumulated water through a secure valve with a locking mechanism, to prevent unauthorized discharge. Water discharged from the containment area and runoff discharged from fuel dispensing facilities must meet the Alaska Water Quality Standards in 18 AAC 70. Any sheen present on the accumulated water must be removed by using sorbent pads, an oil/water separator, or other effective means, prior to discharge.

6. To assist in leak detection, all piping , to the extent practicable, must be above ground. Examples of possible exceptions are road crossings, containment dike penetrations, and piping in utiladors. Above ground piping must be placed on pipe supports that prevent chaffing and corrosion. Under ground piping must be adequately protected against corrosion.

7. In the Bering Straits CRSA, a Plan of Operation for Recovery, Storage, and Transport of Spilled Petroleum or Petroleum Products must be prepared for storage of 5,000 gallons or more.

8. In the Kenai Peninsula Borough and the City of Haines, all culverts and drainage structures located in known floodplains shall be adequately sized and positioned to accommodate a 100 year flood event.

9. In Aleutians West CRSA, Aleutians East Borough, Cenaliulritt CRSA, Bering Straits CRSA, and the Hoonah Coastal District, culverts shall be designed, constructed and maintained to accommodate, at a minimum, the best available estimate of the 25 year flood peak discharge.

By copy of this letter, we are advising the Division of Governmental Coordination of this action. Please contact me if you have any questions concerning this amendment.

Sincerely,

Tim Rumfelt
Environmental Specialist

cc Jennifer Nolan Wing, DGC

TR:vgq(G:\AWQ-CLER\TRUMFELT\APP93.DOC)

Appendix D: SHPO "No Historic Properties Affected" Determination

XKB D3

Tok Office
HC 72 Box 850
Tok, AK 99780

Anchorage Office
4500 Business Park Blvd, Ste C-10
Anchorage, AK 99503

RECEIVED
JUL 23 2004

SUMMIT
CONSULTING SERVICES, Inc.

JUL 08 2004

ph: (907) 291-2339
fax: (907) 291-2333
summitctok@aol.com

ph: (907) 563-5675
fax: (907563-5685
summitanchorage@aol.com

8/8

Alaska Office of History and Archeology
State Historic Preservation Officer
550 West 7th Ave. Suite 1310
Anchorage, AK 99501-3536

July 5, 2003

No Historic Properties Affected
Alaska State Historic Preservation Officer
Date: 7/29/04 KB
File No.: 3130.1A COE
3130.2R DEC Village Safe Water

Reference: Kongiganak Water Storage Tank Project

Attn: Judith Bittner

The Native Village of Kongiganak, in cooperation with Village Safe Water and Summit Consulting Services, Inc., is planning to construct a new water storage tank for the community. We are requesting a review of this project by your agency for environmental concerns and permitting requirements. Detailed project information follows.

Project Location:

Kongiganak is located on the Kongnignanohk River, near the west shore of Kuskokwim Bay. It lies 70 miles southwest of Bethel. The project site is located directly behind the existing water storage tank and next to the water treatment building.

Township 3 South, Range 80 West, Section 32, Seward Meridian

Latitude/Longitude: 59° 57'27"N/162° 53'23"W
USGS Quad Kuskokwim Bay D-3

Project Timeline:

July 15, 2004 through December 31, 2007

Project Description

For several years the Village of Kongiganak has been building infrastructure to improve the environmental health of the community. Previous public water and sewer projects have included development of a new water source at Contractor's Lake, renovation of the water treatment plant, and construction of a new laundry facility. The scope of work for this project builds upon these efforts and includes constructing a new 1.2 million gallon water storage tank and access road.

Residents currently self-haul water and use honeybuckets. Although a new vacuum sewer system is being planned, the existing water storage tank does not store enough water to support

this system. The new water storage tank will allow for the eventual vacuum sewer system, thereby improving the basic sanitation for local residents.

Approximately ¾ acre of wetlands will be affected by the project. Approximately 8500 cubic yards of gravel will be used for the water storage tank foundation. The material will consist of silt and will come from a local construction site.

The following table is a summary of project areas where fill material will be placed.

Location	Size	Fill Quantity (cubic yards)
Water storage tank footprint	0.35 acre	6500
Access road	0.40 acre	2000
Total	**0.75 acre**	**8500 yd^3**

Cultural Resources
In August of 2002, SHPO reviewed a related project in Kongiganak and found that no historic properties would be affected. A copy of this letter is attached. While there are two records of historic properties near the village, neither of these will be affected by this project. The first historic property, the Russian Orthodox Church, is separated from the project site by three, two-story buildings. The second historic site is located on the Kongnignanohk River, which is well outside the project area.

Additional agencies will be contacted during the planning process, including the Alaska Department of Natural Resources, the State Historic Preservation Officer, US Fish and Wildlife Service, and the Federal Aviation Administration.

Thank you for reviewing this project. Please call Summit Consulting at (907) 563-5675 if you have any questions.

Regards,

Christopher Wrobel
Summit Consulting Services, Inc.

Attachments: Location map
Site plan
Foundation cross section
Access road cross section
8/02 Letter with "No Historic Properties Affected" stamp

Appendix E: USFW Letter of No Impact to Endangered Species

2004257

United States Department of the Interior

FISH AND WILDLIFE SERVICE
Anchorage Fish & Wildlife Field Office
605 West 4th Avenue, Room G-61
Anchorage, Alaska 99501-2249

in reply refer to
AFWFO

August 12, 2004

Allan Skinner
USACOE
Fax (907) 753-5567

Re: POA 2004-1002 – Water Tank Construction - Kongiganak (*consultation number 2004257*)

Dear Mr. Skinner,

This responds to your July 15, 2004 notification of proposed activities in Kongiganak, and concurs with Christopher Wrobel's determination that construction of a new water tank and access road is not likely to adversely affect threatened and endangered species or their critical habitat. As per the attached letter from Christopher Wrobel, Summit Consulting Services, Inc., the proposed activities involve constructing a 1.2 million gallon water storage tank (fill size 0.35 acres) and an access road (fill size 0.40 acres).

Spectacled eiders (*Somateria fischeri*), listed as threatened under the Endangered Species Act in 1993, may breed in the vicinity of Kongiganak. Because fill activity will occur during fall and winter (as per conversation with Christopher Wrobel on August 4, 2004), there is no possibility that a spectacled eider nest will be destroyed as a result of this action. Because this project will avoid the potential take of spectacled eiders by modifying construction timing, the Service concurs with the not likely to be adversely affected determination for this proposed project. Preparation of a biological assessment or further consultation under section 7 of the Endangered Species Act regarding this project is not necessary at this time. If project plans change, additional information on listed or proposed species becomes available, or new species are listed that may be affected by the project, consultation should be reinitiated.

This letter relates only to federally listed or proposed species and/or designated or proposed critical habitat under our jurisdiction. It does not address species under the jurisdiction of National Marine Fisheries Service, or other legislation or responsibilities under the Fish and Wildlife Coordination Act, Clean Water Act, National Environmental Policy Act, Migratory Bird Treaty Act, or Bald and Golden Eagle Protection Act.

This concludes section 7 consultation on the proposed water tank construction at Kongiganak. Thank you for your cooperation in meeting our joint responsibilities under section 7 of the Endangered Species Act. If you have any questions, please contact me at (907) 271-1467. In future correspondences regarding this project please refer to consultation number 2004257.

Breeding Season = April 1st to July 15th

Sincerely,

Ellen W. Lance
Endangered Species Biologist

cc: Christopher Wrobel
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Appendix F: DNR - OHMP E-mail Stating No Fish Habitat Permit Required

Subj: **Kongiganak Water Storage Tank Project**
Date: 7/12/04 1:40:15 PM Alaskan Daylight Time
From: mac_mclean@dnr.state.ak.us
To: summitanchorage@aol.com
CC: mac_mclean@dnr.state.ak.us

The Office of Habitat Management and Permitting (OHMP) has reviewed your July 5, 2004 scoping request for the proposed Kongiganak Water Storage Tank Project. Based on the scope of your proposed work, a Fish Habitat Permit will not be required. We have not identified any environmental concerns.

Appendix G: US ACE E-mail Regarding ADEC Water Quality

Subj: **RE: Kongiganak water tank**
Date: 7/16/04 1:18:59 PM Alaskan Daylight Time
From: Allan.G.Skinner@poa02.usace.army.mil
To: SummitAnchorage@aol.com

E-mail from ADEC - "No concerns" AGS

-----Original Message-----
From: SummitAnchorage@aol.com [mailto:SummitAnchorage@aol.com]
Sent: Thursday, July 15, 2004 2:42 PM
To: Skinner, Allan G
Subject: Kongiganak water tank

Allen,

I have attached a letter that addresses your comments about the water storage tank project in Kongiganak.

--
Summit Consulting Services, Inc.
4500 Business Park Blvd., Suite C-10
Anchorage, AK 99503
907-563-5675 -- voice
907-563-5685 -- fax
summitanchorage@aol.com

Appendix H: DNR - OPMP "No Review Required" Letter and Coastal Project Questionnaire

STATE OF ALASKA

FRANK H. MURKOWSKI, GOVERNOR

DEPARTMENT OF NATURAL RESOURCES
OFFICE OF PROJECT MANAGEMENT AND PERMITTING
ALASKA COASTAL MANAGEMENT PROGRAM

✓ SOUTHCENTRAL REGIONAL OFFICE
550 W 7th AVENUE SUITE 1660
ANCHORAGE, ALASKA 99501
PH: (907) 269-7470 FAX: (907) 269-3891

☐ CENTRAL OFFICE
302 GOLD STREET, SUITE 202
JUNEAU, ALASKA 99801
PH: (907) 465-3562 FAX: (907) 465-3075

☐ PIPELINE COORDINATOR'S OFFICE
411 WEST 4TH AVENUE, SUITE 2C
ANCHORAGE, ALASKA 99501
PH: (907) 2857-1351 FAX: (907) 272-3829

August 9, 2004

Mr. Chris Wrobel
Summit Consulting Services, Inc.
4500 Business Park Boulevard, Suite C-10
Anchorge, Alaska 99503

SUBJECT: **ACMP REVIEW NOT REQUIRED:** Native Village of Kongiganak Water Storage Tank Project; Section 32, T003S, R080W, Seward Meridian; US Army Corps of Engineers Number POA-2004-1002.

Dear Mr. Wrobel:

The Office of Project Management and Permitting, Alaska Coastal Management Program has reviewed the Coastal Project Questionnaire and other pertinent information concerning the above referenced project.

The U.S. Army Corps of Engineers (COE) has authorized activities included in your proposed project under Alternative Permit Processing Procedure (APP) 93-1. The activities authorized under this APP, as modified by any stated conditions, are consistent with the Alaska Coastal Management Program (ACMP). The COE has provided you with a copy of the APP 93-1 Permit Requirements and the associated conditions that your project must comply with. Your proposed project does not require a State review for consistency with the ACMP, providing that you also comply with the conditions listed in the enclosed General Concurrence (GC) #35, Water, Wastewater and Sanitation Facilities. If you are unable to comply with these conditions, please contact this office immediately.

Please note that you are not relieved from obtaining required permits and approvals from state, federal or local agencies before you begin the proposed work. Nothing in this letter excuses you from compliance with other statutes, ordinances, or regulations that may affect any proposed work.

This decision is only for the project as described. If there are any changes to the proposed project, including to its intended use, prior to or during its siting, construction or operation, please contact this office to determine if additional review and approval of the revised project is necessary. Thank you for your cooperation with the ACMP.

Sincerely,

Cynthia Zuelow-Osborne
Project Review Assistant

Enc. CPQ, Pg. 1&2
GC #35 (applicant only)

cc: Mr. John Oscar, Cenaliulriit Coastal District
Mr. Robert F. McLane, ADNR/OHMP
Ms. Karlee Gaskill, ADNR/MLW
Ms. Mary Jane Sutliff, ANDR/MLW
Ms. Stefanie Ludwig, ADNR/SHPO
Ms. Fran Roche, ADEC
Ms. Robin Willis/Mr. Wayne Dolezal, ADF&G
Mr. Allan Skinner, US Army Corps of Engineers Regulatory Branch

Coastal Project Questionnaire and Certification Statement

Please answer all questions. To avoid a delay in processing, **please call the department if you answer "yes" to any of the questions related to that department**. Maps and plan drawings must be included with your packet.

An incomplete packet will be returned.

■ APPLICANT INFORMATION

1. Kongiganak Traditional Council
   Name of Applicant
   P.O. Box 5069
   Address
   Kongiganak, AK 99559
   City/State Zip Code
   (907) 557-5226
   Daytime Phone
   (907) 557-5224
   Fax Number E-mail Address

2. Summit Consulting Services
   Agent (or responsible party if other than applicant)
   4500 Business Park Blvd Ste. C-10
   Address
   Anchorage, AK 99503
   City/State State Zip Code Zip Code
   (907) 563-5675
   Daytime Phone
   (907) 563-5685 summitanchorage@aol.com
   Fax Number E-mail Address

■ PROJECT INFORMATION

	Yes	No
1. This activity is a: x new project ☐ modification or addition to an existing project If a modification, do you currently have any State, federal or local approvals related to this activity?	☐	☐

Note: Approval means any form of authorization. If "yes," please list below:

Approval Type	Approval #	Issuance Date	Expiration Date

2. If a modification, has this project ever been reviewed by the State of Alaska under the ACMP?	☐	☐

Previous State I.D. Number: AK
Previous Project Name:

■ PROJECT DESCRIPTION

1. Provide a brief description of your entire project and ALL associated facilities and land use conversions. Attach additional sheet(s) as needed.
   Construct new 1. 2 million gallon raw water storage tank and access road

   Proposed starting date for project: July 2004 Proposed ending date for project: December 2007

2. Attach the following: • a detailed description of the project, all associated facilities, and land use conversions, etc. (Be specific, including access roads, caretaker facilities, waste disposal sites, etc.); • a project timeline for completion of all major activities in the proposal; • a site plan depicting property boundary with all proposed actions; • other supporting documentation that would facilitate review of the project. Note: If the project is a modification, identify existing facilities as well as proposed changes on the site plan.

■ PROJECT LOCATION

1. Attach a copy of the topographical and vicinity map clearly indicating the location of the project. Please include a map title and scale.

2. The project is located in which region (see attached map): ☐ Northern x Southcentral ☐ Southeast
   ☐ within or associated with the Trans-Alaska Pipeline corridor

3. Location of project (Include the name of the nearest land feature or body of water.) **Kuskokwim Bay**_____
   Township 3 South_ Range _79 West_ Section 32_ Meridian Seward_ Latitude/Longitude _59° 57'27"N/162° 53'23"W_USGS Quad Kuskokwim Bay D-3

4. Is the project located in a coastal district? Yes x No ☐ If yes, identify: **Cenaliulriit**_____
   (Coastal districts are a municipality or borough, home rule or first class city, second class with planning, or coastal resource service area.) Note: A coastal district is a participant in the State's consistency review process. It is possible for the State review to be adjusted to accommodate a local permitting public hearing. Early interaction with the district is important; ***please contact the district representative listed on the attached contact list.***

5. Identify the communities closest to your project location: Kongiganak_____

6. The project is on: ☐ State land or water* ☐ Federal land x Private land
   ☐ Municipal land ☐ Mental Health Trust land
   **State land can be uplands, tidelands, or submerged lands to 3 miles offshore. See Question #1 in DNR section.*
   Contact the applicable landowner(s) to obtain necessary authorizations.

■ DEPARTMENT OF ENVIRONMENTAL CONSERVATION (DEC) APPROVALS

	Yes	No
1. Will a discharge of wastewater from industrial or commercial operations occur?	☐	x
Will the discharge be connected to an already approved sewer system?	☐	x
Will the project include a stormwater collection/discharge system?	☐	x
2. Do you intend to construct, install, modify, or use any part of a wastewater (sewage or greywater) disposal system?	☐	x
a) If so, will the discharge be 500 gallons per day or greater?	☐	☐
b) If constructing a domestic wastewater treatment or disposal system, will the system be located within fill material requiring a COE permit?	☐	☐

If you answered yes to a) or b), answer the following:

1) What is the distance from the bottom of the system to the top of the subsurface water table?_____
2) How far is any part of the wastewater disposal system from the nearest surface water?_____
3) Is the surrounding area inundated with water at any time of the year? ☐ ☐
4) How big is the fill area to be used for the absorption system? 9.5 acres_____

(Questions 1 & 2 will be used by DEC to determine whether separation distances are being met; Questions 3 & 4 relate to the required size of the fill if wetlands are involved.)

3. Do you expect to request a mixing zone for your proposed project?	☐	x

(If your wastewater discharge will exceed Alaska water quality standards, you may apply for a mixing zone. If so, please contact DEC to discuss information required under 18 AAC 70.032.)

			Yes	No
4.	a)	Will your project result in the construction, operation, or closure of a facility for the disposal of solid waste? ☐ *(Note: Solid waste means drilling wastes, household garbage, refuse, sludge, construction or demolition wastes, industrial solid waste, asbestos, and other discarded, abandoned, or unwanted solid or semi-solid material, whether or not subject to decomposition, originating from any source. Disposal means placement of solid waste on land.)*		x
	b)	Will your project result in the treatment of solid waste at the site? ☐ *(Examples of treatment methods include, but are not limited to: incineration, open burning, baling, and composting.)*		x
	c)	Will your project result in the storage or transfer of solid waste at the site? ☐		x
	d)	Will the project result in the storage of more than 50 tons of materials for reuse, recycling, or resource recovery? ☐		x
	e)	Will any sewage solids or biosolids be disposed of or land-applied to the site? ☐ *(Sewage solids include wastes that have been removed from a wastewater treatment plant system, such as a septic tank, lagoon dredge, or wastewater treatment sludge that contain no free liquids. Biosolids are the solid, semi-solid, or liquid residues produced during the treatment of domestic septage in a treatment works which are land applied for beneficial use.)*		x
5.		Will your project require the application of oil, pesticides, and/or any other broadcast chemicals? ☐		x
6.	a)	Will you have a facility with industrial processes that are designed to process no less than *five tons per hour* and needs air pollution controls to comply with State emission standards? ☐		x
	b)	Will you have stationary or transportable fuel burning equipment, including flares, with a total fuel consumption capacity no less than 50 million Btu/hour? ☐		x
	c)	Will you have a facility with incinerators having a total charging capacity of no less than 1,000 pounds per hour? ☐		x
	d)	Will you have a facility with equipment or processes that are subject to Federal New Source Performance Standards or National Emission Standards for hazardous air pollutants? ☐		x
		i) Will you propose exhaust stack injection? ☐		☐
	e)	Will you have a facility with the potential to emit no less than 100 tons per year of any regulated air contaminant? ☐		x
	f)	Will you have a facility with the potential to emit no less than 10 tons per year of any hazardous air contaminant or 25 tons per year of all hazardous air contaminants? ☐		x
	g)	Will you construct or add stationary or transportable fuel burning equipment of no less than 10 million Btu/hour in the City of Unalaska or the City of St. Paul? ☐		x
	h)	Will you construct or modify in the Port of Anchorage a volatile liquid storage tank with a volume no less than 9,000 barrels, or a volatile liquid loading rack with a design throughput no less than 15 million gallons? ☐		x
	i)	Will you be requesting operational or physical limits designed to reduce emissions from an existing facility in an air quality nonattainment area to offset an emission increase from another new of modified facility? ☐		x
7.		Will you be developing, constructing, installing, or altering a public water system?	x	☐
8.	a)	Will your project involve the operation of waterborne tank vessels or oil barges that carry crude or non-crude oil as bulk cargo, or the transfer of oil or other petroleum products to or from such a vessel or a pipeline system? ☐		x
	b)	Will your project require or include onshore or offshore oil facilities with an effective aggregate storage capacity of greater than 5,000 barrels of crude oil or greater than 10,000 barrels of non-crude oil? ☐		x

	Yes	No
c) Will you be operating facilities on the land or water for the exploration or production of hydrocarbons?	☐	x

If you answered "NO" to ALL questions in this section, continue to next section.
If you answered "YES" to ANY of these questions, contact the DEC office nearest you for information and application forms. Please be advised that all new DEC permits and approvals require a 30-day public notice period. DEC Pesticide permits take effect no sooner than 40 days after the permit is issued.

Based on your discussion with DEC, please complete the following:

Types of project approvals or permits needed	Date application submitted
Plans review will occur after the design is complete	

9. Does your project qualify for a general permit for wastewater or solid waste? *Note: A general permit is an approval issued by DEC for certain types of routine activities.*

If you answered "YES" to any questions in this section and are not applying for DEC permits, indicate reason:
☐ **_____ (DEC contact) told me on _____ that no DEC approvals are required on this project because_____**
☐ **Other: _____**

■ DEPARTMENT OF FISH & GAME (DFG) APPROVALS

1. Will you be working in, removing water or material from, or placing anything in, a stream, river or lake? (This includes work or activities below the ordinary high water mark or on ice, in the active flood plain, on islands, in or on the face of the banks, or, for streams entering or flowing through tidelands, above the level of mean lower low tide.)
Note: If the proposed project is located within a special flood hazard area, a floodplain development permit may be required. Contact the affected city or borough planning department for additional information and a floodplain determination.) ..... x ☐
Name of waterbody: East Lake_____

2. Will you do any of the following: ..... ☐ ☐
Please indicate below:

- ☐ Build a dam, river training structure, other instream impoundment, or weir
- ☐ Use the water
- ☐ Pump water into or out of stream or lake (including dry channels)
- ☐ Divert or alter the natural stream channel
- ☐ Change the water flow or the stream channel
- x Introduce silt, gravel, rock, petroleum products, debris, brush, trees, chemicals, or other organic/inorganic material, including waste of any type, into the water
- x Alter, stabilize or restore the banks of a river, stream or **lake** (provide number of linear feet affected along the bank(s). **25 lf**
- ☐ Mine, dig in, or remove material, including woody debris, from the beds or banks of a waterbody
- ☐ Use explosives in or near a waterbody
- ☐Build a bridge (including an ice bridge)
- ☐ Use the stream, lake or waterbody as a road (even when frozen), or cross the stream with tracked or wheeled vehicles, log-dragging or excavation equipment (backhoes, bulldozers, etc.)
- ☐ Install a culvert or other drainage structure
- ☐ Construct, place, excavate, dispose or remove any material below the ordinary high water of a waterbody
- ☐ Construct a storm water discharge or drain into the waterbody
- ☐ Place pilings or anchors
- ☐ Construct a dock
- ☐ Construct a utility line crossing
- ☐ Maintain or repair an existing structure
- ☐ Use an instream in-water structure not mentioned here

	Yes	No
3. Is your project located in a designated State Game Refuge, Critical Habitat Area or State Game Sanctuary?	☐	x
4. Does your project include the construction/operation of a salmon hatchery?	☐	x
5. Does your project affect, or is it related to, a previously permitted salmon hatchery?	☐	x
6. Does your project include the construction of an aquatic farm?	☐	x

If you answered "No" to ALL questions in this section, continue to next section.
If you answered "Yes" to ANY questions under 1-3, contact the Regional or Area DFG Habitat and Restoration
Division Office for information and application forms.
If you answered "Yes" to ANY questions under 4-6, contact the DFG Commercial Fisheries Division headquarters for information and application forms.

Based on your discussion with DFG, please complete the following:

Types of project approvals or permits needed	Date application submitted
_____	_____
_____	_____

If you answered "YES" to any questions in this section and are not applying for DFG permits, indicate reason:
_____ (DFG contact) told me_____that no DFG approvals are required on this project because

☐ **Other:** _____

■ DEPARTMENT OF NATURAL RESOURCES (DNR) APPROVALS

1. Is the proposed project on State-owned land or water or will you need to cross State-owned land for access? ("Access" includes temporary access for construction purposes. *Note: In addition to State-owned uplands, the State owns almost all land below the ordinary high water line of navigable streams, rivers and lakes, and below the mean high tide line seaward for three miles.)*	x	☐
a) Is this project for a commercial activity?	☐	x
2. Is the project on Alaska Mental Health Trust land (AMHT) or will you need to cross AMHT land? *Note: Alaska Mental Health Trust land is not considered State land for the purpose of ACMP reviews.*	☐	x
3. Do you plan to dredge or otherwise excavate/remove materials on State-owned land?	☐	x
Location of dredging site if different than the project site: _____ Township _____ Range _____ Section _____ Meridian _____ USGS Quad Map _____		
4. Do you plan to place fill or dredged material on State-owned land?	☐	x
Location of fill disposal site if other than the project site: _____ Township _____ Range _____ Section _____ Meridian _____ USGS Quad Map _____ Source is on: ☐ State Land ☐ Federal Land ☐ Private Land ☐ Municipal Land		
5. Do you plan to use any of the following State-owned resources:	☐	x
☐ ***Timber***: Will you be harvesting timber? Amount: _____		
☐ ***Materials such as rock, sand or gravel, peat, soil, overburden, etc.:***		
Which material? _____ Amount: _____		
Location of source: ☐ Project site ☐ Other, describe: _____ Township _____ Range _____ Section _____ Meridian _____ USGS Quad Map _____		

	Yes	No
6. Are you planning to divert, impound, withdraw, or use any fresh water, except from an existing public water system or roof rain catchment system (regardless of land ownership)?	☐	x
Amount (maximum daily, not average, in gallons per day): _____ Source: _____ Intended Use: _____ If yes, will your project affect the availability of water to anyone holding water rights to that water?	☐	☐
7. Will you be building or altering a dam (regardless of land ownership)?	☐	x
8. Do you plan to drill a geothermal well (regardless of land ownership)?	☐	x
9. At any one site (regardless of land ownership), do you plan to do any of the following?	☐	x
☐ Mine five or more acres over a year's time ☐ Mine 50,000 cubic yards or more of materials (rock, sand or gravel, soil, peat, overburden, etc.) over a year's time ☐ Have a cumulative unreclaimed mined area of five or more acres If yes to any of the above, contact DNR about a reclamation plan. If you plan to mine less than the acreage/amount stated above and have a cumulative unreclaimed mined area of less than five acres, do you intend to file a voluntary reclamation plan for approval?	☐	☐
10. Will you be exploring for or extracting coal?	☐	x
11. a) Will you be exploring for or producing oil and gas?	☐	x
b) Will you be conducting surface use activities on an oil and gas lease or within an oil and gas unit?	☐	x
12. Will you be investigating, removing, or impacting historical or archaeological or paleontological resources (anything over 50 years old) on State-owned land?	☐	x
13. Is the proposed project located within a known geophysical hazard area?	x	☐
Note: 6 AAC 80 900(9) defines geophysical hazard areas as "those areas which present a threat to life or property from geophysical or geological hazards, including flooding, tsunami run-up, storm surge run-up, landslides, snowslides, faults, ice hazards, erosion, and littoral beach process." "known geophysical hazard area" means any area identified in a report or map published by a federal, state, or local agency, or by a geological or engineering consulting firm, or generally known by local knowledge, as having known or potential hazards from geologic, seismic, or hydrologic processes.		
14. Is the proposed project located in a unit of the Alaska State Park System?	☐	x

If you answered "No" to ALL questions in this section, continue to Federal Approvals section.
If you answered "Yes" to ANY questions in this section, contact DNR for information.

Based on your discussion with DNR, please complete the following:

Types of project approvals or permits needed — Date application submitted

_____

_____

If you answered "YES" to any questions in this section and are not applying for DNR permits, indicate reason:
_____ (DNR contact) told me on_____that a reclamation plan is not required for this project because: _____

☐ **Other:** _____

■ FEDERAL APPROVALS

	Yes	No
U.S. Army Corps of Engineers (COE)		
1. Will you be dredging or placing structures or fills in any of the following: tidal (ocean) waters? streams? lakes? wetlands*?	x	☐
If yes, have you applied for a COE permit?	x	☐
Date of submittal: 7-5-04		
(Note: Your application for this activity to the COE also serves as application for DEC Water Quality Certification.)		
**Bureau of Land Management (BLM)*		
2. Is the proposed project located on BLM land, or will you need to cross BLM land for access?	☐	x
If yes, have you applied for a BLM permit or approval?	☐	☐
Date of submittal:		
U.S. Coast Guard (USCG)		
3. a) Will you be constructing a bridge or causeway over tidal (ocean) waters, or navigable rivers, streams or lakes?	☐	x
b) Does your project involve building an access to an island?	☐	x
c) Will you be siting, constructing, or operating a deepwater port?	☐	x
If yes, have you applied for a USCG permit?	☐	☐
Date of submittal:		
U.S. Environmental Protection Agency (EPA)		
4. a) Will the proposed project have a discharge to any waters?	☐	☐
b) Will you be disposing of sewage sludge (contact EPA at 206-553-1941)?	☐	x
If you answered yes to a) or b), have you applied for an EPA National Pollution Discharge Elimination System (NPDES) permit?	☐	x
Date of submittal:		
(Note: For information regarding the need for an NPDES permit, contact EPA at (800) 424-4372.)		
c) Will construction of your project expose 5 or more acres of soil? *(This applies to the total amount of land disturbed, even if disturbance is distributed over more than one season, and also applies to areas that are part of a larger common plan of development or sale.)*	☐	x
d) Is your project an industrial facility which will have stormwater discharge which is directly related to manufacturing, processing, or raw materials storage areas at an industrial plant?	☐	x
If you answered yes to c) or d), your project may require an NPDES Stormwater permit. Contact EPA at 206-553-8399.		
Federal Aviation Administration (FAA)		
5. a) Is your project located within five miles of any public airport?	x	☐
b) Will you have a waste discharge that is likely to decay within 5,000 feet of any public airport?	☐	x
If yes, please contact the Airports Division of the FAA at (907) 271-5444.		
Federal Energy Regulatory Commission (FERC)		
6. a) Does the project include any of the following:		
1) a non-federal hydroelectric project on any navigable body of water	☐	x
2) a location on federal land (including transmission lines)	☐	x
3) utilization of surplus water from any federal government dam	☐	x
b) Does the project include construction and operation, or abandonment of natural gas pipeline facilities under sections (b) and (c) of the Federal Power Act (FPA)?	☐	x

If you are not certain whether your proposed project is in a wetlands (wetlands include muskegs), contact the COE, Regulatory Branch at (907) 753-2720 for a wetlands determination (outside the Anchorage area call toll free 1-800-478-2712).

	Yes	No
c) Does the project include construction for physical interconnection of electric transmission facilities under section 202 (b) of the FPA?	☐	x
If you answered yes to any questions under number 6, have you applied for a permit from FERC?	☐	☐

Date of submittal: _____

(Note: For information, contact FERC, Office of Hydropower Licensing (202) 219-2668; Office of Pipeline Regulation (202) 208-0700; Office of Electric Power Regulation (202) 208-1200.)

U.S. Forest Service (USFS)

7. a)	Does the proposed project involve construction on USFS land?	☐	x
b)	Does the proposed project involve the crossing of USFS land with a water line?	☐	x
	If the answer to either question is yes, have you applied for a USFS permit or approval?	☐	☐

Date of submittal: _____

8. Have you applied for any other federal permits or authorizations? ☐ ☐

AGENCY	APPROVAL TYPE	DATE SUBMITTED

Please be advised that the CPQ identifies permits subject to a consistency review. You may need additional permits from other agencies or the affected city and/or borough government to proceed with your activity.

Certification Statement

The information contained herein is true and complete to the best of my knowledge. I certify that the proposed activity complies with, and will be conducted in a manner consistent with, the Alaska Coastal Management Program.

_____ _____

Signature of Applicant or Agent Date

Note: Federal agencies conducting an activity that will affect the coastal zone are required to submit a federal consistency determination, per 15 CFR 930, Subpart C, rather than this certification statement. DGC has developed a guide to assist federal agencies with this requirement. Contact DGC to obtain a copy.

This certification statement will not be complete until all required State and federal authorization requests have been submitted to the appropriate agencies.

■ **To complete your packet, please attach your State permit applications and copies of your federal permit applications to this questionnaire.**

Appendix I: DNR - DMLW Correspondence, Easement Application, and Environmental Risk Questionnaire

STATE OF ALASKA

FRANK H. MURKOWSKI
GOVERNOR

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF MINING, LAND AND WATER
SOUTHCENTRAL REGION LAND OFFICE

550 W. 7TH AVE., SUITE 900C
ANCHORAGE, ALASKA 99501-3577

December 9, 2004

Chris Wrobel
Summit Consulting
4500 Business Park Blvd.
Suite C-10
Anchorage, Alaska 99503

Certified #7003-1010-0005-5096-0496

RE: ADL 229098 Kongiganak

Dear Chris,

This is to inform you that the Department of Natural Resources, Division of Mining, Land and Water (DNR/DMLW) is suspending the request for an application for an easement for the above referenced project, without prejudice.

The State of Alaska asserts title to the beds of navigable waters within the state. Although the state does not disclaim any rights it may have in the affected waterbody, DNR/DMLW will not require the applicant to obtain an authorization for the project under review at its proposed location at this time.

The State requires that all projects be maintained, operated, and placed in a manner and location that does not interfere with or restrict navigation, access, or use and harvest of natural resources for commercial or recreational purposes.

If you have any questions please do not hesitate to call me at (907) 276-5384 or email MaryJane Sutliff@dnr.state.ak.us.

Sincerely,

Mary Jane Sutliff
Natural Resource Specialist

"Develop, Conserve and Enhance Natural Resources for Present and Future Alaskans"

Subj: **Re: Kongiganak**
Date: 12/20/2004 7:56:25 AM Alaskan Standard Time
From: mary_jane_sutliff@dnr.state.ak.us
To: CWrobelSCS@aol.com

Chris,

DNR has suspended the adjudication of the case. There is no request for compliance at this time. Construction can proceed. Management made the decision that in this instance the requirements can be adjudicated later.

Mary Jane Sutliff
Natural Resource Specialist

CWrobelSCS@aol.com wrote:

> Mary Jane,
>
> This e-mail is written in response to your letter dated December 9, 2004. The letter states
> "...DNR/DMLW will not require the applicant to obtain an authorization for the project under review..."
>
> It is my understanding that no permit is required and that construction can proceed without any further requirements from DNR/DMLW. Please let me know if this is correct or if I have misinterpreted the meaning of the letter.
>
> Thank you for your continued assistance with this project.
>
> Best Regards,
>
> Chris Wrobel
>
> Summit Consulting Services, Inc.
> 4500 Business Park Blvd.
> Suite C-10
> Anchorage, AK 99503
> (907) 563-5675
> (907) 563-5685 - fax
> CWrobelSCS@aol.com

STATE OF ALASKA DEPARTMENT OF NATURAL RESOURCES
DIVISION OF MINING, LAND AND WATER

☐ Northern Region
3700 Airport Way
Fairbanks, AK 99709
(907) 451-2740

☒ Southcentral Region
550 W 7th Ave., Suite 900C
Anchorage, AK 99501-3577
(907) 269-8552

☐ Southeast Region
400 Willoughby, #400
Juneau, AK 99801
(907) 465-3400

APPLICATION FOR EASEMENT
AS 38.05.850

Non-refundable application fee: $100*

ADL # _____ (to be filled in by state)

Applicant's Name Native Village of Kongiganak Doing business as: _____

Mailing Address P.O. Box 5069 E-Mail: summitcanchorage@aol.com

City/State/Zip Kongiganak, Alaska 99559 Tommy Phillip Sr., President

Message Phone (907) 557-5226 Work Phone ( ) Soc. Sec. # and/or Tax ID # 920073274

Is applicant a nonprofit cooperative association? [ ] yes [X] no. If yes, are you applying for an exemption under AS 38.05.850(b)? [ ] yes [ ] no. If yes, please submit proof of nonprofit status (e.g. by-laws, articles of incorporation, tax statement).

Location of activity/Legal Description: Municipality Unorganized Borough, Meridian Seward

Township 25, Range 79 W, Section 32, _____ 1/4, _____ 1/4

Township _____, Range _____, Section _____, 1/4, _____ 1/4

(attach extra sheets as needed)

Total length of applied-for easement (feet): 1050' Total width of applied-for easement (feet): 28'

Acres encompassed by easement: 0.67 acre (43,560 square feet = 1 acre)

Specific purpose of easement (e.g. electric utility, fiber-optic conduit or cable, telecommunications tower, road, bridge, airstrip/airport, driveway, trail, drainage), and type of anticipated traffic (e.g. plane, truck, heavy equipment): Explain

Access road between community and sewage lagoon; anticipated traffic will include wastewater operators and other government employees conducting operation and maintenance functions. See attached letter and project description.

Are you applying for the Division of Mining, Land and Water to reserve a Public Easement? Yes ☒ No ☐. Are you applying to be granted a Private Easement? Yes ☐ No ☒. (Note: Annual rental fee required for private easement)

See 11 AAC 05.010 regarding fees for federal, state, and local government agencies

Date Stamp:

State briefly the standards and methods of construction: e.g. regulated standards, winter trail, dirt trail, gravel road, paved road, etc.; clearing by hand, clearing/construction by mechanical equipment (state type of equipment to be used, e.g. J.D. 350,944 F.E. loader, hydro-axe, D-8), or establishment by use only. Silt road will be built with material from sewage lagoon excavation. Construction will be done by mechanical equipment: a J.D. 550 Dozer, a Hitachi EX 300 Excavator, and a Trac Dump Truck.

Is this an existing use? Yes ☐ No ☒. If yes, provide documentation verifying existing use, such as easement atlas, affidavits attesting to use and existence, pictures, etc.

Construction to begin: September 2004

Construction to be completed by: September 2005

Other permits or authorizations applied for in conjunction with this proposed project: Other agency contacts include: the State Historic Preservation Officer (ADNR), the U.S. Fish + Wildlife Service, the Federal Aviation Administration, the U.S. Army Corps of Engineers, and the Office of Habitat Management and Permitting (ADNR).

If this authorization is granted, I agree to construct and maintain the improvements authorized in a workmanlike manner, and to keep the area in a neat and sanitary condition; to comply with all the laws, rules, and regulations pertaining thereto; and provided further that upon termination of the easement for which application is being made, I agree to remove or relocate the improvements and restore the area without cost to the state and to the satisfaction of the Director of the Division of Mining, Land and Water.

P.E.

Applicant's Signature PROJECT ENGINEER

7/29/04

Date

INSTRUCTIONS: Attach a USGS map (scale of 1:63,360) or a state status plat showing the location of the proposed easement, and an environmental risk assessment questionnaire (form 102-4008A).

The final granting of a private easement or reservation of a public easement will be contingent upon our receipt of a plat depicting the post-construction location of the improvements. If your application is approved, instructions for the completion of the plat will be provided to you, or can be picked up at any of our offices.

AS 38.05.035(a) authorizes the director to decide what information is needed to process an application for the sale or use of state land and resources. This information is made a part of the state public land records and becomes public information under AS 40.25.110 and 40.25.120 (unless the information qualifies for confidentiality under AS 38.05.035(a)(9) and confidentiality is requested). Public information is open to inspection by you or any member of the public. A person who is the subject of the information may challenge its accuracy or completeness under AS 44.99.310, by giving a written description of the challenged information, the changes needed to correct it, and a name and address where the person can be reached. False statements made in an application for a benefit are punishable under AS 11.56.210.

Tok Office
HC 72 Box 850
Tok, AK 99780

Anchorage Office
4500 Business Park Blvd, Ste C-10
Anchorage, AK 99503

SUMMIT
CONSULTING SERVICES, Inc.

ph: (907) 291-2339
fax: (907) 291-2333
summitctok@aol.com

ph: (907) 563-5675
fax: (907563-5685
summitanchorage@aol.com

Alaska Department of Natural Resources
550 West 7th Ave. Suite
Anchorage, AK 99501

Post-it® Fax Note 7671	Date	# of pages ▶ 6
To Mary Jane Sutliff	From Curtis Wrobel	
Co./Dept.	Co.	
Phone # 269-8564	Phone # 563 5675	
Fax # 269-8913	Fax # 563 5685	

Reference: Kongiganak Water Storage Tank Project

Attention: Mary Jane Sutliff,

The Native Village of Kongiganak, in cooperation with Village Safe Water and Summit Consulting Services, Inc., is planning to construct a new water storage tank for the community. We are requesting a review of this project by your agency for environmental concerns and permitting requirements. Detailed project information follows.

Project Location:

Kongiganak is located on the Kongnignanohk River, near the west shore of Kuskokwim Bay. It lies 70 miles southwest of Bethel. The project site is located directly behind the existing water storage tank and next to the water treatment building.

Township 2 South, Range 79 West, Section 32, Seward Meridian

Latitude/Longitude: 59° 57'27"N/162° 53'23"W
USGS Quad Kuskokwim Bay D-3

Project Timeline:

July 15, 2004 through December 31, 2007

Project Description

For several years the Village of Kongiganak has been building infrastructure to improve the environmental health of the community. Previous public water and sewer projects have included development of a new water source at Contractor's Lake, renovation of the water treatment plant, and construction of a new laundry facility. The scope of work for this project builds upon these efforts and includes constructing a new 1.2 million gallon water storage tank and access road.

Residents currently self-haul water and use honeybuckets. Although a new vacuum sewer system is being planned, the existing water storage tank does not store enough water to support

this system. The new water storage tank will allow for the eventual vacuum sewer system, thereby improving the basic sanitation for local residents.

Approximately ¾ acre of wetlands will be affected by the project. Approximately 8500 cubic yards of gravel will be used for the water storage tank foundation. The material will consist of silt and will come from a local construction site.

The following table is a summary of project areas where fill material will be placed.

Location	Size	Fill Quantity (cubic yards)
Water storage tank footprint	0.35 acre	6500
Access road	0.40 acre	2000
Total	**0.75 acre**	**8500 yd^3**

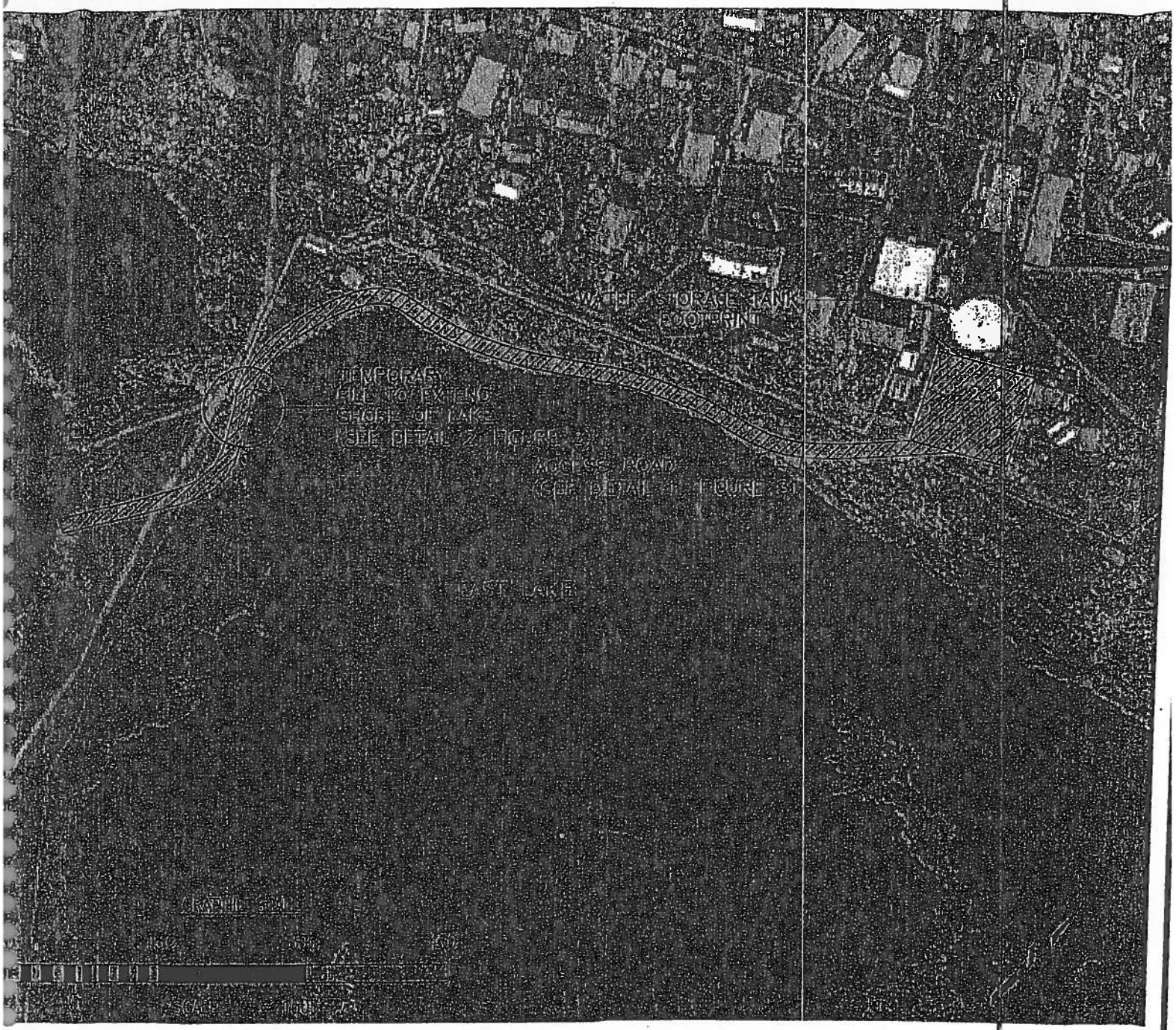
Additional agencies will be contacted during the planning process, including the Division of Mining, Land, and Water, the State Historic Preservation Officer, US Fish and Wildlife Service, and the Federal Aviation Administration.

Thank you for reviewing this project. Please call Summit Consulting at (907) 563-5675 if you have any questions.

Regards,

Christopher Wrobel
Summit Consulting Services, Inc.

Attachments: Location map
Site plan
Foundation cross section
Access road cross section



Kongiganak Water Storage Tank Project
Figure 2: Site Plan

Scale: 1" = 150'

oject: Kongiganak Water Storage
nk Project

Applicant: Village of Kongiganak
P.O. Box 5069
Kongiganak, AK 99559

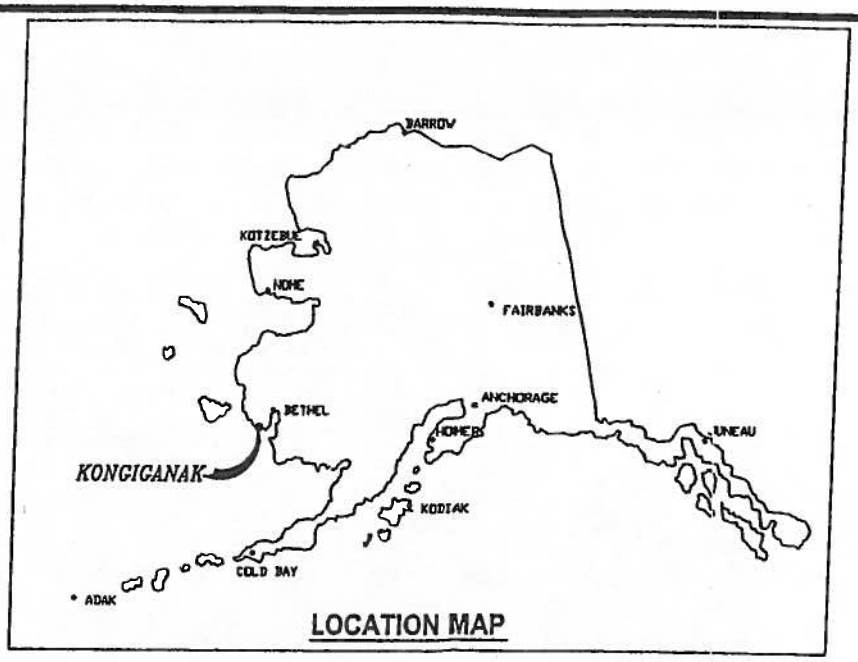
Location: 59 57'27" N
162 53'23" W

urpose: Increase available public
ater supply

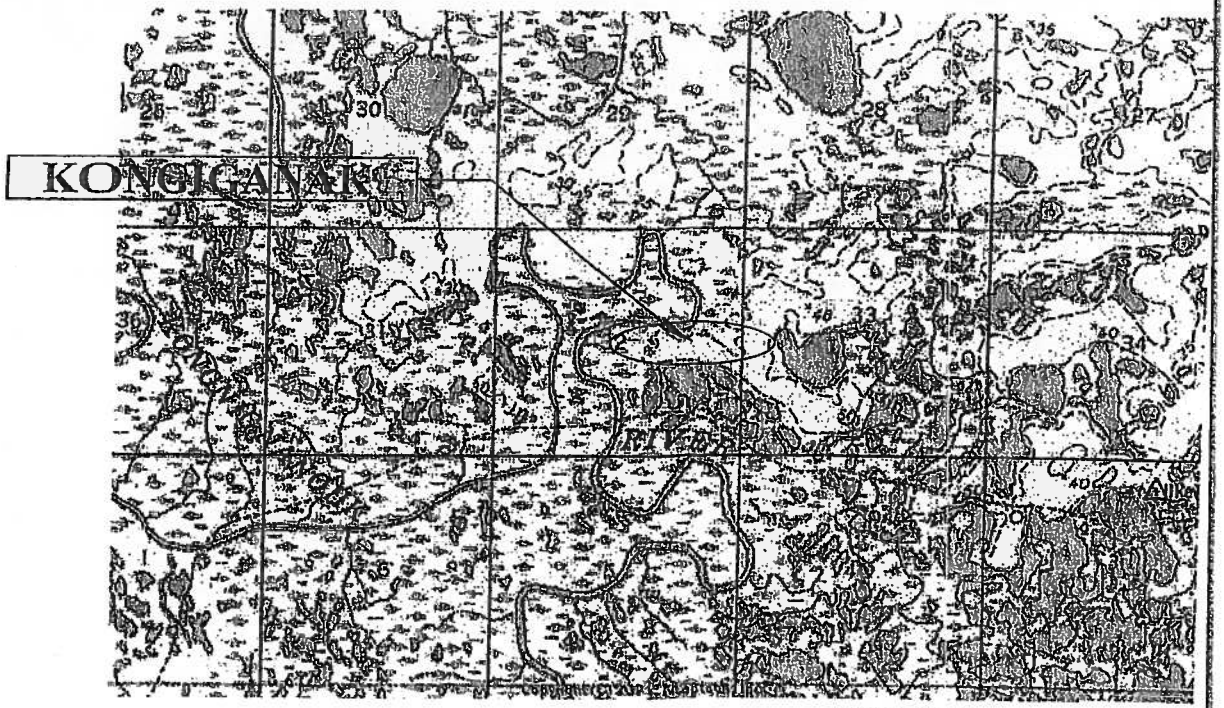
Township 3 South, Range 80 West,
Seward Meridian, USGS Quad D-3

djacent Property Owners: Chalista
orp. and Kongiganak Traditional

Agent: Summit Consulting Services, Inc.



LOCATION MAP



SOURCE: www.topozone.com

Kongiganak Water Storage Tank Project
Figure 1: Location Map

Scale: Not To Scale

Applicant: Village of Kongiganak
P.O. Box 5069
Kongiganak, AK 99559

Location: 59 57'27" N
162 53'23" W

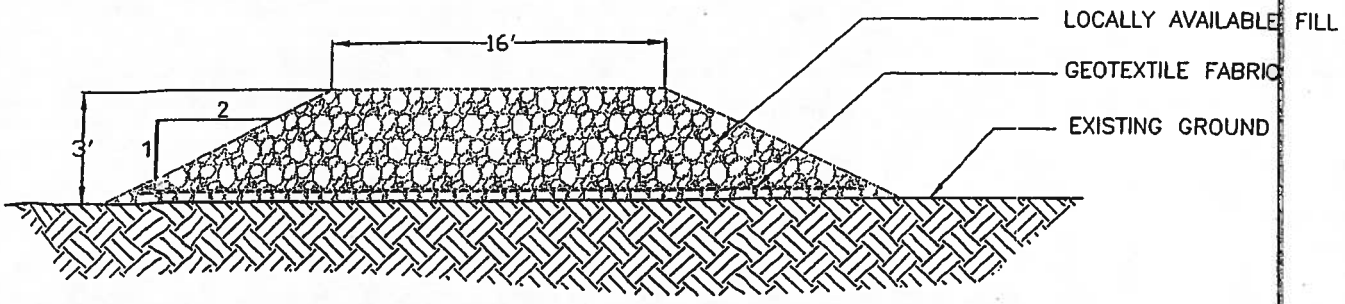
Township 3 South, Range 80 West, Seward Meridian, USGS Quad D-3

Agent: Summit Consulting Services, Inc.

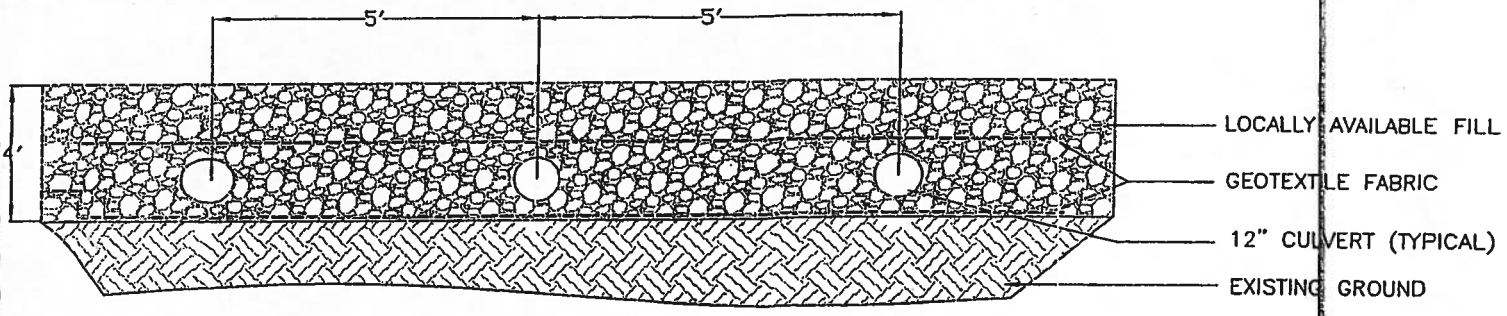
ject: Kongiganak Water Storage nk Project

rpose: Increase available public ater supply

jacent Property Owners: Chalista orp. and Kongiganak Traditional



1/3 TYPICAL ROAD ACCESS CROSS-SECTION
SCALE: N.T.S.



2/3 ACCESS ROAD CROSS-SECTION AT WEST LAKE DRAINAGE
SCALE: N.T.S.

ject: Kongiganak Water Storage nk Project rpose: Increase available public ater supply djacent Property Owners: Chalista orp. and Kongiganak Traditional	Kongiganak Water Storage Tank Project Figure 3: Access Road Cross Section Applicant: Village of Kongiganak P.O. Box 5069 Kongiganak, AK 99559 Agent: Summit Consulting Services, Inc.	Scale: Not To Scale Location: 59 57'27" N 162 53'23" W Township 3 South, Range 80 West, Seward Meridian, USGS Quad D-3

TOWNSHIP 2S RANGE 79W OF THE SEWARD MERIDIAN, ALASKA

LEGEND

BASE INFORMATION

- HYDROGRAPHY
- SURVEY LINE
- SURVEY LOT LINE
- TOWNSHIP/SECTION GRID
- 1/4 SECTION LINE
- HIGHWAY
- ROAD
- TRAIL
- RAILROAD
- ELECTRICAL POWER LINE
- TELEPHONE LINE
- PIPELINE
- AIRPORT/LANDING STRIP
- HORIZONTAL CONTROL
- CONTROL MONUMENT

STATUS INFORMATION

- TITLE
- BOUNDARY
- CLASSIFICATION
- DISPOSAL
- MUNICIPAL
- RESTRICTION
- FEDERAL ACTION
- CABIN PERMIT
- TRAPPING CABIN PERMIT
- TRESPASS LOCATION

SURFACE WATER RIGHTS
- APPLICATION
- PERMIT
- CERTIFICATE

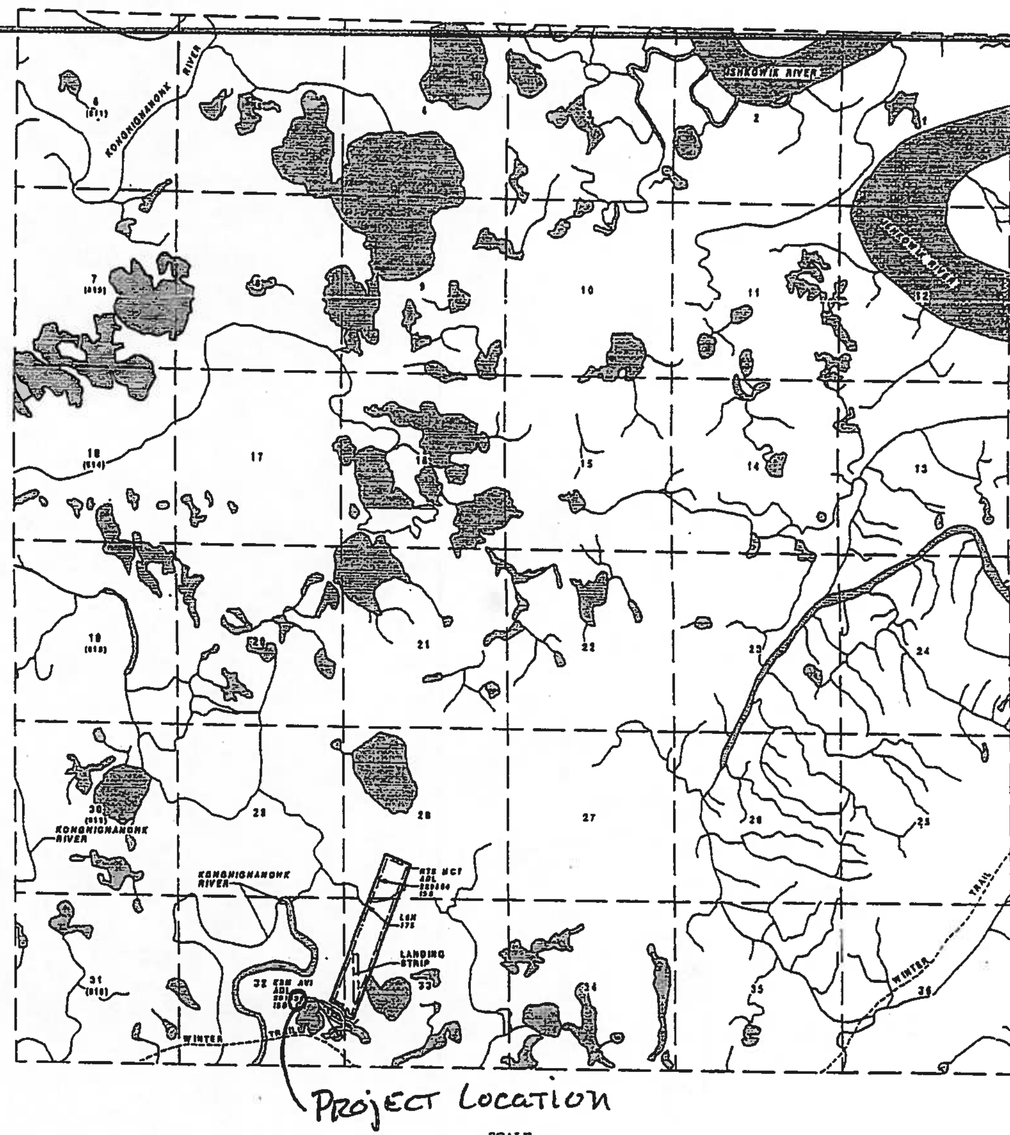
SUB-SURFACE WATER RIGHTS
- APPLICATION
- PERMIT
- CERTIFICATE

IN-STREAM FLOW RESERVATION
- APPLICATION
- CERTIFICATE

DAM, WEIR, BARRIER
- APPLICATION
- PERMIT
- CERTIFICATE

SECTION NUMBERING GRID

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36



SCALE

1 inch = 2640 feet

2640 1320 0 2640 5280 FEET

1 inch = 40 chains

40 20 0 40 80 CHAINS

AN INDEX OF STATUS PLAT ABBREVIATIONS IS INCLUDED WITH EACH APERTURE CARD SET OF STATE STATUS PLATS.

USERNAME:
DATE:
LOCATION:

STATUS PLAT

GRAPHIC ILLUSTRATION ONLY, SOURCE DOCUMENTS REMAIN THE OFFICIA

THE STATE OWNS ALL LAND UNDER WATERS THAT ARE NAVIGABLE IN FACT, ARE SUBJECT TO THE EBB AND FLOW OF THE TIDES, ARE RIPARIAN OR LITTORAL TO UPLANDS OWNED BY THE STATE.

BASED ON:

COORDINATES:
ALASKA STATE PLANE ZONE 7
SE CORNER OF TOWNSHIP:
X 559649.791
Y 2175773.465
LAT 59 57 17.944 N
LONG 162 45 58.275 W

HYDROGRAPHY:
USGS BAIRD INLET (A3) AND KUSKOKWIM BAY (D3)
REVISED BY BLM FROM AERIAL HIGH ALTITUDE
PHOTOGRAPHY 1978–1983

LAND NET:
ADL PROTRACTION DIAGRAM S10-4; APPROVED 05/18/1973

OTHER ACTIONS AFFECTING USE OR DISPOSAL OF STATE LANDS: SEE LAS CASEFILE OR ORIGINAL SOURCE DOCUMENTS FOR ADDITIONAL INFORMATION:

ENTIRELY WITHIN BETHEL RECORDING DISTRICT

ATTENTION STATUS PLAT USERS: ON THIS PLAT, ALL ST LINES CLOSE FOR ACTIONS THAT EXTEND INTO ADJACENT TOWNS THIS INCLUDES STATUS LINES SUCH AS DISPOSAL, MUNICIPAL, TITL CLASSIFICATION, ETC. PLEASE REFER TO ADJACENT TOWNSHIPS O TO DETERMINE IF ACTIONS EXTEND BEYOND THE BOUNDARIES SH THIS PLAT. REMEMBER TITLE, CLASSIFICATION, AND RESTRICTION ALWAYS CLOSE ON ALL PLATS.

A PRODUCT OF THE
STATE OF ALASKA
DEPARTMENT OF NATURAL RESOURCES
LAND RECORDS INFORMATION SECTION

TW
RN

QUALITY CONTROL CHECKED
BY: DAL DATE: 3/21/95

SHEET	PROJECT TITLE	SUMMIT CONSULTING SERVICES Inc.
1	KONGIGANAK WATER STORAGE TANK PROJECT - SITE PLAN	
DATE: JULY 2004 DRAFTER: RTK CHECKED BY: RG		

STATE OF ALASKA DEPARTMENT OF NATURAL RESOURCES
DIVISION OF MINING, LAND AND WATER

☐ Contract Administration 550 W 7th Ave., Suite 640 Anchorage, AK 99501-3576 (907) 269-8594	☐ Northern Region 3700 Airport Way Fairbanks, AK 99709 (907) 451-2740	☒ Southcentral Region 550 W 7th Ave., Suite 900C Anchorage, AK 99501-3577 (907) 269-8552	☐ Southeast Region 400 Willoughby, #400 Juneau, AK 99801 (907) 465-3400

APPLICANT ENVIRONMENTAL RISK QUESTIONNAIRE

The purpose of this questionnaire is to help clarify the types of activities you propose to undertake. The questions are meant to help identify the level of environmental risk that may be associated with the proposed activity. The Division of Mining, Land and Water's evaluation of environmental risk for the proposed activity does not imply that the parcel or the proposed activity is an environmental risk from the presence or use of hazardous substances.

Through this analysis, you may become aware of environmental risks that you did not know about. If so, you may want to consult with an environmental engineer or an attorney.

Native Village of Kongiganak
Applicant's Name — Doing Business As

P.O. Box 5069 — Kongiganak, — Alaska — 99559
Address — City — State — Zip

(907) 557-5226 ( ) summitcanchorage@aol.com Tommy Phillip, Sr., President
Message Phone — Work Phone — E-Mail — Contact Person

Describe the proposed activity:

The Kongiganak Water Storage Project will construct a new 1.2-million gallon water storage tank and access road between the water tank and the wastewater lagoon. The project will impact less than one acre of wetlands. Diesel fuel will be used in the construction equipment. The fuel will be obtained from a pre-existing storage area, established during earlier sewage lagoon improvements.

In the course of your proposed activity will you generate, use, store, transport, dispose of, or otherwise come in contact with toxic and/or hazardous materials, and/or hydrocarbons? Yes ☐ No ☐

If yes, please list the substances and the associated quantities. Use a separate sheet of paper, if necessary.

Diesel fuel will be used, stored and transported during the construction of the access road, water storage tank pad, and the water storage tank. A project fuel storage area, which was established with earlier sewage lagoon improvements, consists of three 10,000 gallon tanks in a containment area on the southwest corner of the lagoon (see attached photo).

If the proposed activities involve any storage tanks, either above or below ground, address the following questions for each tank. Please use a separate sheet of paper, if necessary, and, where appropriate, include maps or plats:

a. Where will the tank be located? Tanks are already in place; located off the southwest corner of the sewage lagoon (see attached aerial photo).

b. What will be stored in the tank? Diesel fuel

c. What will be the tank's size in gallons? The existing tanks are three, 10,000-gallon tanks.

d. What will the tank be used for? (Commercial or residential purposes?) Local government construction projects, specifically water and wastewater improvements.

e. Will the tank be tested for leaks? They will be inspected regularly and are located in a secondary containment area.

f. Will the tank be equipped with leak detection devices? Yes ☐ No ☐. If yes, describe: Tanks are inspected daily during construction. Clean-up materials are stored on-site.

Do you know or have any reason to suspect that the site may have been previously contaminated? Yes ☐ No ☒

If yes, please explain: _____

I certify that due diligence has been exercised and proper inquiries made in completing this questionnaire, and that the foregoing is true and correct to the best of my knowledge.

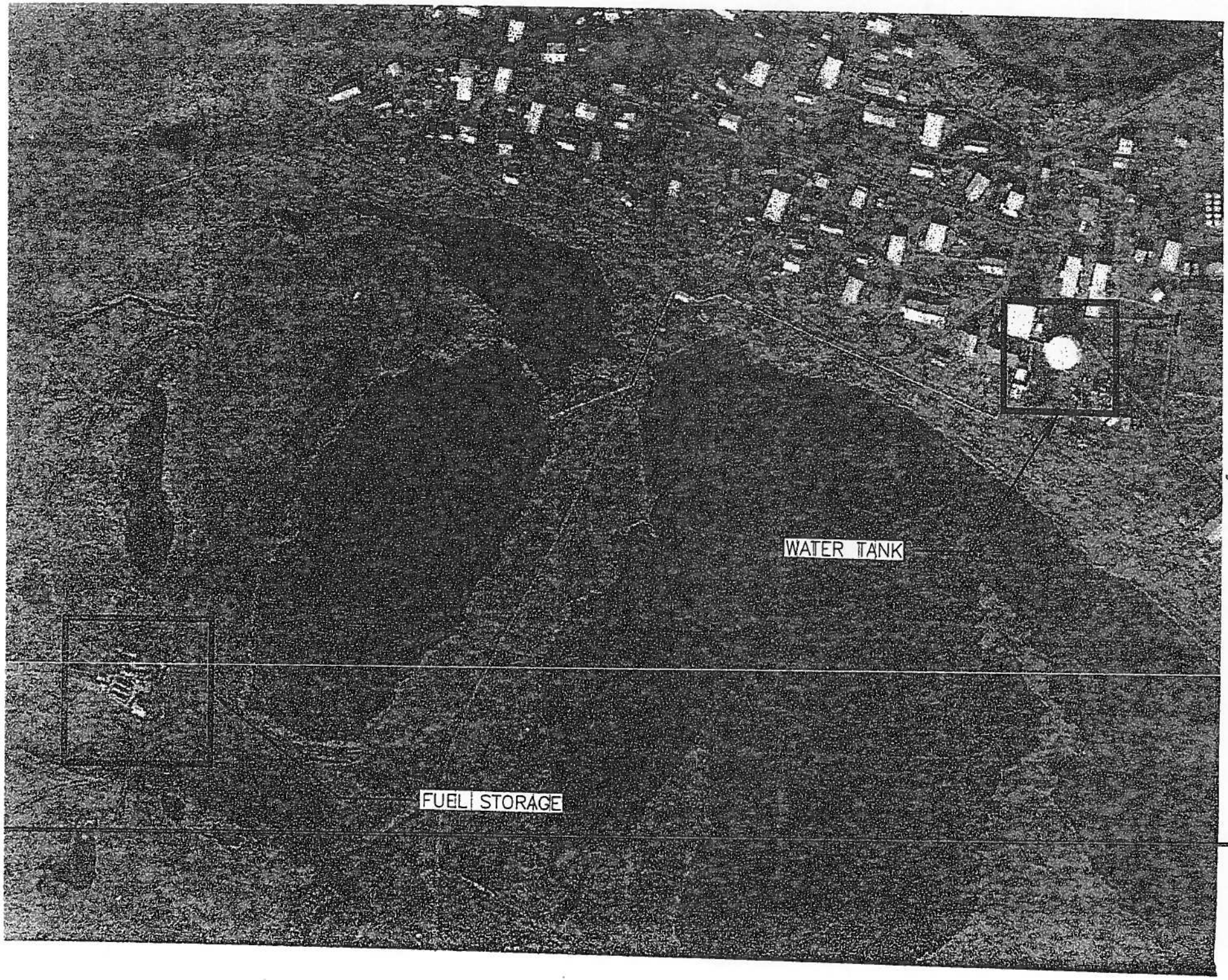
P.E.

Applicant PROJECT ENGINEER

7/29/04

Date

AS 38.05.035(a) authorizes the director to decide what information is needed to process an application for the sale or use of state land and resources. This information is made a part of the state public land records and becomes public information under AS 09.25.110 and 09.25.120 (unless the information qualifies for confidentiality under AS 38.05.035(a)(9) and confidentiality is requested). Public information is open to inspection by you or any member of the public. A person who is the subject of the information may challenge its accuracy or completeness under AS 44.99.310, by giving a written description of the challenged information, the changes needed to correct it, and a name and address where the person can be reached. False statements made in an application for a benefit are punishable under AS 11.56.210.


WATER TANK
FUEL STORAGE

Appendix J: Water Storage Tank Foundation Design Drawings

Design Criteria (2000 Edition of the IBC)

Building Category / Seismic Use Group	II
Site Class (assumed)	D
Ss	0.189
S1	0.149
Exposure	C
Wind Base Pressure (130 mph 3 Second Gust)	43.11 PSF Transverse 43.11 PSF Longitudinal
Allowable Soil Bearing Pressure	2,600 PSF
Roof L.L. (Snow)	40 PSF
Roof D.L.	15 PSF
Floor L.L. (TANK)	1,500 PSF
Floor D.L. (TANK)	32.0 PSF

Foundation – Excavation
Geotechnical recommendations are based on a soils report as issued by Duane Miller.

Structural Steel
Structural steel, including plates, angles, and miscellaneous shapes shall conform to ASTM A–36, Fy = 36 ksi. Wood/wood or wood/steel bolts or threaded rod shall conform to ASTM A–307 unless noted otherwise. All lag bolts, bolts, and nuts to have washers. Bolts used in steel/steel connections shall be A325N unless noted otherwise. All steel shall be shop–coated with red oxide primer. All steel connectors placed in contact with pressure preservative treated wood shall be galvanized.

Lag Screws
Lag screws shall be galvanized and conform to ASTM A–307 unless noted otherwise. Lag screws in wood connection shall have predrilled pilot holes to prevent wood from splitting (See table below for diameter of pilot holes). Lag screws may be installed with electric or air driven power tools until the last 1/8". The remaining 1/8" shall be ratchet tightened by hand. Do not hammer lag screws into wood.

NOMINAL DIA. OF LAG BOLT	DIA. OF LEAD HOLE
1/2"	5/16"
5/8"	13/32"
3/4"	1/2"
7/8"	39/64"
1"	23/32"

Welding
All welding shall be in accordance with AISC and AWS Standards and shall be performed by an AWS certified welder. All welds shall be 3/16" fillet unless noted otherwise. All bevel welds shall be 1/16" less than the thickness of the material to be welded unless noted otherwise.

Wood Decking
All decking shall be kiln dried commercial grade Douglas Fir (fb = 1,000 psi minimum) conforming to WCLB Standard Grading and Dressing Rules for West Coast Lumber #16, latest edition. All decking shall be pressure–preservative–treated with water borne preservatives. Decking shall be laid to have two spans continuous, all joints to occur over supports. Fasten decking to supports with lag screws at each support. Predrill holes at ends or as required to prevent splitting. Decking shall be nominal 4x8 thickness.

Glued Laminated Members
Glued laminated members shall be fabricated in conformance with AITC specifications A190.1 and ASTM D–373. A certificate of inspection shall be submitted to the Engineer for all members. All beams shall be Douglas Fir combination (24F–V8) Fb=2,400 psi. All glulams with exterior exposure shall have exterior glue. All glulams shall be pressure–preservative treated.

Wood Foundation Pad
4x12 Pad shall be Douglas Fir (No. 2 or better) conforming to WCLB Standard Grading and Dressing Rules for West Coast Lumber #16, latest edition.

Wood (Preservative Treated)
All pressure–preservative–treated lumber shall use waterborne preservatives. Pressure treat to net retention per cubic foot as recommended by AWPA standard U1–03. 4X8 decking shall comply with Use Category UC3B Commodity Specification A and shall be treated with ACQ–B(0.25 pcf), CBA–A(0.20 pcf), or CA–B(0.10 pcf). Glulam beams shall comply with Use Category UC3B Commodity Specification F and shall be treated with CBA–A(0.20 pcf) or CA–B (0.10 pcf).

All cuts in pressure–preservative–treated wood shall be soaked with a preservative approved for treating cuts in pressure–preservative–treated materials.

Rigid Insulation
Rigid Insulation shall be multiple layers of 2" DOW Styrofoam Brand High Load 40 Insulation. Stagger panels at each layer (or alternately, install at 90'). Install per manufacturer's instructions.

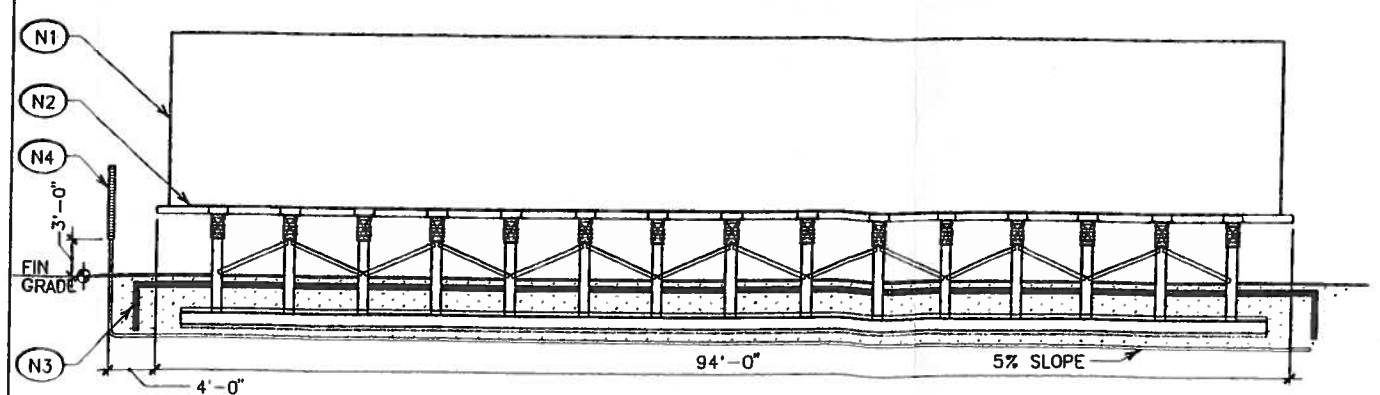
Drawings indicate general and typical details of construction. Where conditions are not specifically indicated but are of similar character to details shown, similar details of construction shall be used, subject to review and approval of the Engineer. If any errors or omissions appear in the drawings, specifications, or other documents, the contractor shall notify the Owner or Engineer in writing of such omission or error before proceeding with the work or accept full responsibility for costs to rectify the error.

2.1 GENERAL NOTES
GENNOTES S(1) G(A) P(H) D(EEIS)

1.3

1.4

NOTES (FOR THIS SECTION)
N1 1.2 MILLION GALLON WATER TANK BY OTHERS
N2 WATER TANK FOUNDATION
N3 RIGID INSULATION
N4 THERMO SYPHONS BY OTHERS



2.3 TANK SECTION
SECTION S(96) G(C) P(H) D(EEIS)
Scale 0 4' 8'

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UserName: Elizabeth

EEIS File: DRAWING2.DWG Date: 13-Aug-2004 13:42:29

. SUMMIT - KONGIGANAK WATER TANK FOUNDATION
KONGIGANAK, ALASKA EEIS JOB #204012.002

GENERAL NOTES / TYPICAL DETAILS

revisions
released for I.F.C.
release date 08-03-04
sheet S1.0

NOTES (FOR THIS SHEET)

(N1) TIMBER DECK ABOVE

(N2) D INDICATES TS 10X10X3/8 POST

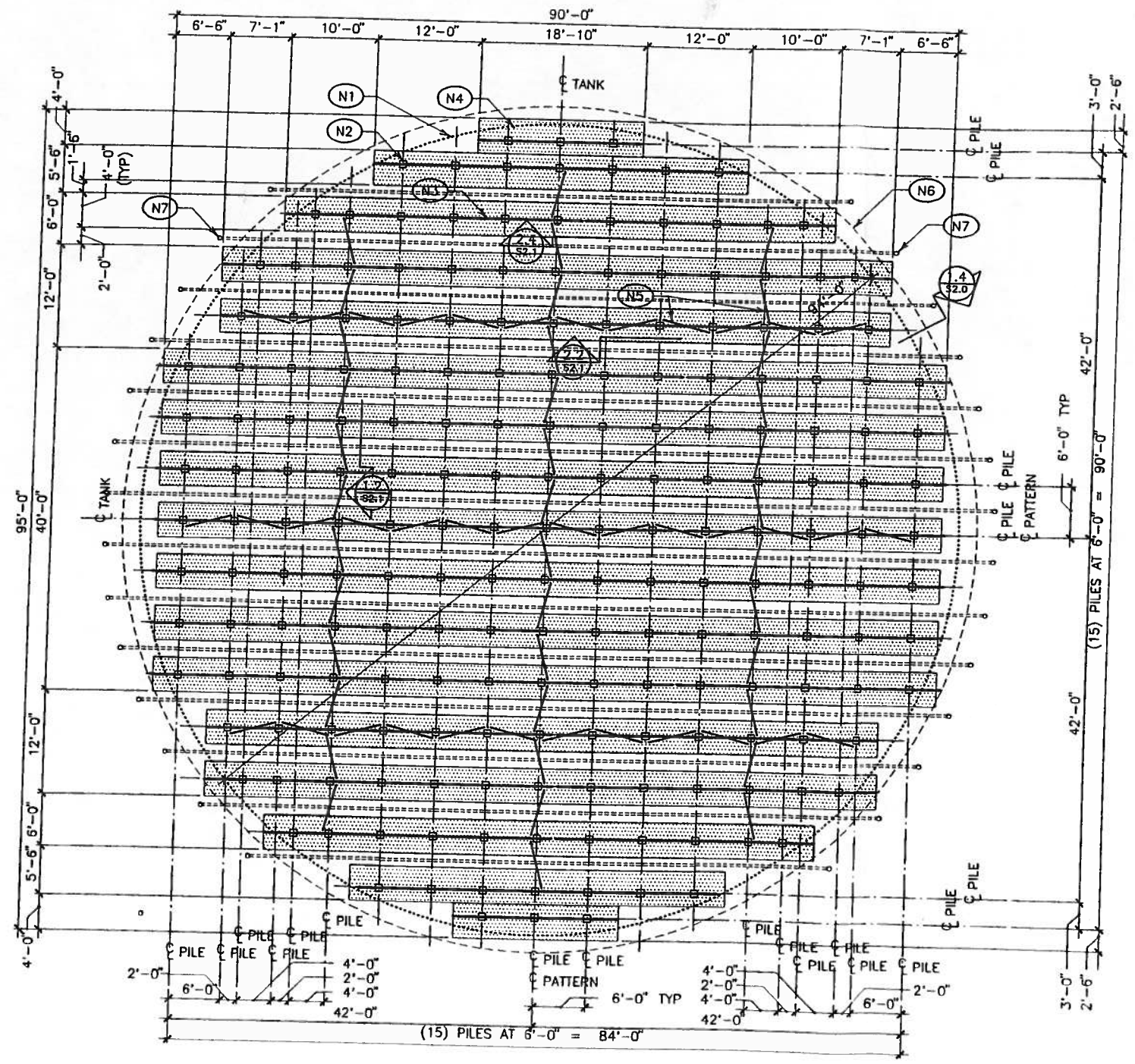
(N3) W12X53 SPREADER BEAM (TYP)

(N4) CONTINUOUS 4X12 PAD

(N5) / DENOTES DIAGONAL BRACING – SEE SECTIONS 1.2 AND 2.2/S2.1 FOR SIZE AND ORIENTATION

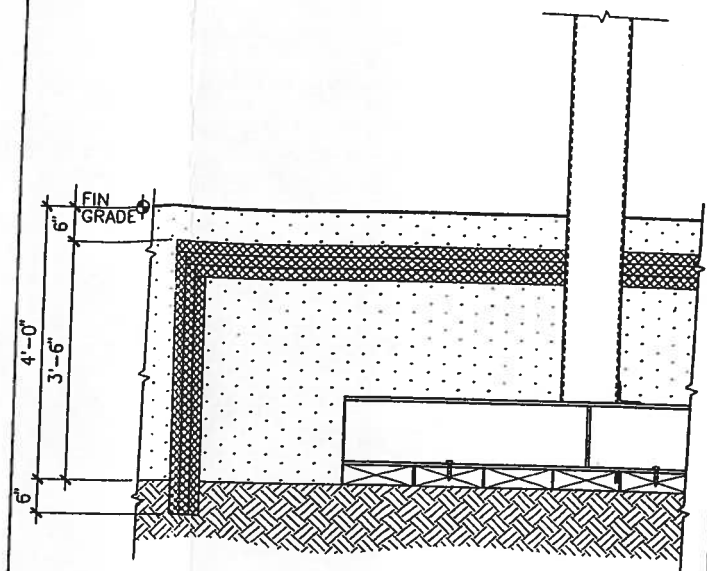
(N6) EDGE OF RIGID INSULATION – SEE SECTION 1.4/S2.0

(N7) THERMOSYPHON AT 6'-0" O.C. BY OTHERS



POST SCHEDULE	
TYPE	QUANTITY
TS10X10X3/8	199

2.1 PILE PLAN – WATER TANK
204012-PLN-PILE S(96) G(C) P(H) D(EEIS)
Scale 0 4' 8'



1.4 RIGID INSULATION AT EDGE OF TANK
TYP_FDN-EDGE S(16) G(C) P(H) D(EEIS)
Scale 0 8" 1'-4" 12"

2.4

STATE OF ALASKA – REGISTERED PROFESSIONAL ENGINEER – Richard C. Lowe – CC-5631

SUMMIT CONSULTING SERVICES Inc.

EEIS CONSULTING ENGINEERS, INC.

SUMMIT – KONGIGANAK WATER TANK FOUNDATION
KONGIGANAK, ALASKA EEIS JOB #204012.002

PILE PLAN

revisions
released for I.F.C.
release date 08-03-04
sheet S2.0

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