

Agency: Commerce, Community and Economic Development**Grants to Municipalities (AS 37.05.315)****Grant Recipient: Kenai Peninsula Borough****Federal Tax ID: 920030894****Project Title:****Project Type: Equipment and Materials**

Kenai Peninsula Borough - Central Peninsula Landfill Leachate Thermal Evaporation Unit

State Funding Requested: \$3,472,619**House District: Kenai Areawide (28-30)**

One-Time Need

Brief Project Description:

Leachate Thermal Evaporation Unit for the Central Peninsula Landfill

Funding Plan:

Total Project Cost:	\$3,772,619
Funding Already Secured:	(\$300,000)
FY2014 State Funding Request:	<u>(\$3,472,619)</u>
Project Deficit:	\$0

Funding Details:

\$300,000 Kenai Peninsula Borough local funds.

Detailed Project Description and Justification:

The Kenai Peninsula Borough Solid Waste Department needs to install a thermal evaporation unit to manage Leachate at the Central Peninsula Landfill (CPL). The CPL is a Class 1 landfill under the AK Department of Environment Conservation Solid Waste Regulations (18 Alaska Administrative Code, Chapter 60). The CPL has been designated by the borough as its regional landfill, providing services to all municipalities (Homer in fall 2013) and the unincorporated communities located on the borough road system. The CPL manages 98 percent of the municipal solid waste generated in the borough.

In FY2012, the borough assembly provided funding in the amount of \$150,000 to support a Leachate management study. The purpose of the study was to determine the best option for long term Leachate management at the CPL. Five options were presented, (1) Thermal evaporation of Leachate; (2) Leachate pre-treatment and haul to the City of Kenai Waste Water Treatment Plant (WWTP); (3) Leachate pre-treatment followed by discharge to engineered wetland; (4) Leachate full-treatment

for discharge to local receiver (Kenai River); (5) Haul Leachate to Anchorage Waste Water Utility. The thermal evaporation unit was ranked and selected as the preferred option for long-term Leachate management as well as the most cost effective for long term at CPL.

One primary benefit is that the thermal evaporator will keep the Leachate entirely out of the aquatic environment. This is a proven and reliable technology, and once the landfill matures, the borough can utilize the landfill gas as an alternative fuel source. This option is sized to meet the Leachate management needs of the full build-out, five-cell landfill.

Project Timeline:

Site development would start in early fall 2013

Entity Responsible for the Ongoing Operation and Maintenance of this Project:

Kenai Peninsula Borough

Grant Recipient Contact Information:

Name: John Maryott
Title: Solid Waste Director
Address: 47140 East Poppy Lane
Soldotna, Alaska 99669
Phone Number: (907)262-2002
Email: jmaryott@borough.kenai.ak.us

Has this project been through a public review process at the local level and is it a community priority? Yes No



Kenai Peninsula Borough

Year 2013 State Capital Improvement Projects

CAPITAL PROJECT: LEACHATE THERMAL EVAPORATION UNIT

Funding Recipient: Kenai Peninsula Borough

Project Name: Central Peninsula Landfill Leachate Thermal Evaporation Unit

Tier: 1

Detailed Project Description and Justification:

The Kenai Peninsula Borough Solid Waste Department needs to install a thermal evaporation unit to manage Leachate at the Central Peninsula Landfill (CPL). The CPL is a Class 1 landfill under the AK Department of Environment Conservation Solid Waste Regulations (18 Alaska Administrative Code, Chapter 60). The CPL has been designated by the borough as its regional landfill, providing services to all municipalities (Homer in fall 2013) and the unincorporated communities located on the borough road system. The CPL manages 98 percent of the municipal solid waste generated in the borough.

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Funding Requested:	\$	3,472,619	Election District:	Senate:	N, O & R
Total Project Cost:	\$	3,772,619		House:	28, 29, 30, 35 & 36
Local Match (if any):	\$				

CONTACT INFORMATION

John Maryott, Solid Waste Director
47140 East Poppy Lane
Soldotna, Alaska 99669

Phone: (907) 262-2002
Fax: (907) 260-6090
E-mail: jmaryott@borough.kenai.ak.us

Funding Plan:

Total Project Cost:	\$	3,772,619
Funding Secured:	\$	300,000
Funding Requested:	\$	3,472,619
Pending Requests	\$	0
Project Deficit:	\$	0

Please list Secured Funding Sources and Amounts:

Kenai Peninsula Borough local funds. \$300,000.

If this project is funded this year, will you be requesting state funding again?

No

Please describe the project time-line and when the expenditures will occur:

Site development would start in early fall 2013.

Has this project gone through a public review process at the local level?

Yes

Is it a community or service area priority demonstrated by resolution or other official action?

If a community or service area meeting was conducted, how was it advertised? When and where was it held?**Who attended?**

On August 12, 2012 a Kenai Peninsula Borough Assembly meeting was held in Soldotna, Alaska. Kenai Peninsula Borough Assembly meetings are advertised in local newspapers, public hearing notices are posted in Post Offices throughout the borough, Libraries and City Halls. Resolution 2012-070 designated the Central Peninsula Landfill facility thermal evaporation project as the number one priority solid waste major capital project for fiscal year 2014. Resolution 2012-070 was unanimously adopted.

Who will own the project or facility?

Kenai Peninsula Borough

Entity responsible for providing ongoing operation and maintenance of this project?

Kenai Peninsula Borough

How will operations and maintenance be funded after the project is complete?

The Kenai Peninsula Borough General Fund

Project type: Equipment and Materials