



SEPTAGE & LEACHATE TREATMENT AND DISPOSAL FACILITY

MATANUSKA-SUSITNA BOROUGH PROJECT FACTS

Background

1980/1990s:

- MSB constructed septage disposal and treatment facility in Houston, AK.
- Less than 5 years later, ADEC shuttered the facility due to groundwater impacts

2007 Septage Study:

- Local septage haulers expressed renewed interest in a local septage disposal facility
- MSB looked at options for new facility vs. continuing existing practice of hauling to Anchorage

2010 Regional Wastewater Plan:

- In cooperation with Palmer and Wasilla, the MSB looked at combining wastewater treatment efforts into one large regional facility for wastewater from the 3 local governments.
- No consensus to move forward together, so MSB to deal with septage issue.

2011 Wastewater & Septage Advisory Board:

- MSB Assembly creates a 7 member advisory board for this specific topic.
- The board holds meetings at least quarterly. The calendar can be found at <http://www.matsugov.us/publicmeetings>.

2013 Septage Study Update:

- Updated the data and calculations from 2007 for changes in fuel costs, population growth, and construction costs. Analysis shows the project is financially feasible.
- Updated a conceptual level analysis of an advanced treatment system capable of achieving more stringent water quality requirements.

2014 Leachate Treatment Evaluation

- MSB completed update to landfill plan including leachate treatment options
- MSB determined co-treatment of septage and leachate is most economical option.

Contact Information

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Current Projects



Septage hauling trucks line up at the entrance to the Turpin Street Wastewater Disposal Station in Anchorage.

Project Objectives: Build combined septage treatment and leachate disposal facility for the Matanuska-Susitna Borough (MSB) to minimize septage and leachate disposal costs and environmental impacts. A new facility is needed to discontinue the current practice of hauling leachate and septage to Anchorage for disposal. Leachate in-flow will be downstream of septage solids dewatering to minimize presence of heavy metals in solids. Organic solids may be converted to compost and made available to the public; thereby conserving landfill airspace and generating operational revenue.

The MSB is currently in the planning phase of a septage and leachate treatment and disposal facility. To facilitate site selection, the MSB began a Septage and Leachate Treatment Facility Site Suitability and Engineering Analysis. The total cost of this project is estimated at \$20 million.