FY2024 Consolidated Appropriations Act Projects
EPA-CEP-01

PROJECT WORKPLAN AND NARRATIVE

Project Title:
Dillingham Landfill Improvements

Grantee Information:

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Short Project Description:
The Dillingham Landfill Improvements Project is a comprehensive infrastructure upgrade initiative designed to modernize the region's primary waste management facility. The project encompasses the repair of critical processing equipment, including the facility's incinerator and the installation of a new waste oil burner system. Essential heavy equipment acquisitions include a D7 Waste Handler, 352 Excavator, Wheeled Loader, and Skid steer loader with attachments to enhance operational efficiency. Waste processing capabilities will be improved through the addition of a Shear Type Shredder, Shredder/Baler for scrap metal, and Glass Crusher. The project also includes the construction of a weather port/equipment hangar for equipment protection, development of a dry storage facility, and the replacement of ground monitoring wells to maintain environmental compliance. These improvements will significantly enhance the facility's waste management capabilities while ensuring environmental protection and regulatory compliance.

Place of Performance (where the project will occur):

City of Dillingham Landfill in Dillingham, Alaska.

Period of Performance (timeframe during which the project will occur):

Start: October 1, 2025. End: December 31, 2028

Section 1. Project Summary and Overall Approach

A. PROJECT SUMMARY

The Dillingham Landfill Improvements Project seeks to modernize and enhance the operational capacity of the region's primary waste management facility through targeted infrastructure upgrades and equipment acquisitions. This comprehensive project includes the repair of the existing incinerator, installation of a waste oil burner, and procurement of essential waste processing equipment including a shredder/baler for scrap metal and a glass crusher. Heavy equipment acquisitions, including a D7 Waste Handler, 352 Excavator, Wheeled Loader, and Skid steer loader, will improve daily operations and waste handling efficiency. The project also encompasses critical infrastructure improvements such as the construction of a weather port/equipment hangar, development of a dry storage facility, and replacement of ground monitoring wells. These improvements will extend the facility's operational lifespan, ensure environmental compliance, and provide the community with sustainable waste management services for years to come. Total project cost is targeted to enhance operational efficiency while maintaining regulatory compliance and environmental protection standards.

B. TIMELINE AND MILESTONES

Task #	Task or Milestone Description	Completion Date
1	Purchase Heavy Equipment for Landfill	6/30/26
2	Repair Incinerator	12/31/26
3	Install Waste Oil Burner	12/31/26
4	Purchase Bins Waste Transport	6/30/26
5	Purchase Shredder/Baler for Scrap Metal	6/30/26
6	Design Dry Storage Building	7/31/26
7	Design Equipment Hangar	7/31/26
8	Replace Groundwater Monitoring Wells	12/31/26
9	Install Methane Monitoring Wells	12/31/26
10	Build Dry Storage Building	6/30/27
11	Build Equipment Hangar	6/30/27

C. BUILD AMERICA, BUY AMERICA

a. The recipient is subject to the Buy America Sourcing requirements under the Build America, Buy America provisions of the Infrastructure Investment and Jobs Act (IIJA) (P.L. 117-58, §§70911-70917) when using Federal funds for the purchase of goods, products, and materials on any form of construction, alteration, maintenance, or repair of infrastructure in the United States regardless of the appropriation for the types of infrastructure projects specified in the chart entitled "Environmental Protection Agency's Identification of Federal Financial Assistance Infrastructure Programs." These sourcing requirements require that all iron, steel, manufactured products, and construction materials used in Federally funded infrastructure projects must be produced in the United States. The recipient must implement these requirements in its procurements, and this article must flow down to all subawards and contracts at any tier. For legal definitions and sourcing requirements, the recipient must consult EPA's Build America, Buy America website.

b. When supported by rationale provided in IIJA §70914, the recipient may submit a waiver to EPA. Guidance on the submission instructions of an EPA waiver request will be available on the EPA Build America, Buy America website. A list of approved EPA waivers is available on the EPA Build America, Buy America website.

D. JOINT PERFORMANCE EVALUATION PROCESS

Within 30 days of the end of each fiscal quarter (*or semi-annually, if approved by your Project Officer*), the grantee will submit a performance report detailing the accomplishments toward the completion of workplan commitments, discussing the work performed for all workplan components, and identifying any challenges that could affect or delay project completion. This evaluation process will help to ensure that the grant is being administered properly and that work conducted under the grant is in accordance with approved workplan.

E. EPA ROLES AND RESPONSIBILITIES

This assistance agreement is funded as a grant. EPA will have no substantial involvement in the accomplishment of workplan commitments. EPA will monitor progress and provide technical assistance as needed to ensure project completion.

Section 2. Community Engagement, Benefits, and Partnerships

A. COMMUNITY ENGAGEMENT

The City of Dillingham has a Friends of the Landfill Committee made up of private citizens. This group is heavily involved in the future of the Dillingham landfill and volunteers in recycling projects and community clean up events. Through this committee and our municipalities public outreach we will provide awareness and education of the ongoing changes to the landfill and our improvements. Primarily in the safe disposal of waste oil from private and commercial enterprises and for the proper sorting of various waste items to streamline the operations of our landfill and ensure we remain in compliance with the EPA and Alaksa DEC.

B. BENEFITS TO THE COMMUNITY

The primary benefit to the community of Dillingham will be the increased options for disposing of hazardous waste oil and non-biodegradable metals and plastics. The current landfill has become overburdened with materials that need to be properly destroyed or stored for removal. Additionally, the aged equipment at the landfill has led to lengthy periods of equipment downtime and has led to a reduction of processing capacity when waste is received, especially during peak operations in the summer season when fishing operations are in service.

C. COMMUNITY PARTNERSHIPS

We currently have a partnership with the Friends of the Landfill committee, a committee made up of 12 local residents. The City of Dillingham also has a partnership with the Curyung Tribal Council, a federally recognized Alaskan Native Tribe in matters of E-Waste and fishing web recycling.

Section 3. Environmental Results and Project Sustainability

A. EXPECTED OUTCOMES:

Short-Term Outcomes:
The immediate results of this project will include improved operational efficiency through modernized equipment and infrastructure. The landfill will see immediate benefits from the new D7 Waste Handler, 352 Excavator, and Wheeled Loader, enabling better waste compaction and material handling. The repaired incinerator and new waste oil burner will provide immediate improvement in waste processing capabilities. Staff will gain enhanced skills through training on new equipment and safety protocols. The replacement of ground monitoring wells will ensure immediate compliance with environmental regulations.

Medium-Term Outcomes:
Within the first two years of implementation, the project will achieve significant waste volume reduction through the efficient operation of the new shredder/baler and glass crusher. The weather port/equipment hangar will extend equipment lifespan by providing protection from harsh weather conditions. The dry storage facility will improve waste management practices and reduce environmental risks. Operational costs will decrease due to more efficient equipment and better maintenance practices. Environmental monitoring data will show improved groundwater protection and reduced contamination risks.

Long-Term Outcomes:
Over the next five years and beyond, the community will benefit from a significantly extended landfill lifespan due to improved waste compaction and volume reduction. The modernized facility will establish sustainable waste management practices that can adapt to growing community needs. Environmental compliance will be consistently maintained through proper monitoring and management systems. The improved infrastructure will support long-term economic development through reliable waste management services. The community will see lasting benefits from reduced environmental risks and enhanced public health protection.

B. PERFORMANCE MEASURES:

Project Management and Oversight:
The City of Dillingham's Public Works Department will maintain primary oversight of the project implementation. The Public Works Director will serve as the Project Manager. Weekly progress meetings will track project milestones, address challenges, and ensure adherence to the implementation schedule. Quarterly reports will document progress on equipment installation, infrastructure improvements, and environmental compliance measures. The Project Manager will coordinate with contractors, maintain detailed records of expenditures, and ensure compliance with grant requirements.

Staff and Resources:
The Project Manager will oversee daily operations and coordinate all improvement activities. A dedicated Equipment Operations Supervisor will manage the integration of new equipment and conduct operator training programs. Environmental compliance will be monitored by a qualified Environmental Specialist who will oversee ground monitoring well installation and testing protocols. The maintenance team will undergo comprehensive training on new equipment operation and maintenance procedures. Additional support staff will be assigned based on project phase requirement

C. PROJECT SUSTAINABILITY:

Long-term sustainability will be ensured through comprehensive maintenance programs for new equipment, thorough staff training on new systems and procedures, development of operational protocols, implementation of environmental monitoring programs, and creation of equipment replacement schedules.

DETAILED BUDGET TABLE

Description	Quantity	Rate	TOTAL
		TOTAL TRAVEL	
Equipment			
D7 Waste Handler	1		860,000
Shear Type Shredder	1		500,000
Wheeled Loader	1		560,000
Glass Crusher	1		250,000
352 Excavator	1		750,000
Ash and Waste Bins	20		500,000
Mobile Air Compressor	1		25,000
Skid steer loader and Attachments	1		100,500
Dry Storage Facility	1		257,500
Weather Port/Equipment Hangar	1		300,000
		TOTAL EQUIPMENT	**4,103,000**
Contractual			
Incinerator Repair			187,000
Engineering and Design			200,000
Groundwater Monitoring Wells			180,000
Methane Monitoring Wells			50,0000
		TOTAL CONTRACTUAL	**617,000**
		TOTAL PROJECT COST	**4,720,000.00**

Budget Narrative

Equipment ($4,103,000)
The equipment category costs were determined through detailed market research, consultation with equipment vendors, and comparison of recent similar purchases by other Alaskan municipalities. Cost estimates include shipping to Dillingham, initial setup, and basic operator training. Multiple vendors were contacted to ensure competitive pricing, and estimates reflect current market conditions including recent supply chain impacts. Equipment specifications were developed based on operational requirements, site conditions, and consultation with facility operators. All cost estimates include necessary attachments, basic spare parts packages, and manufacturer warranties. Equipment also includes critical facility infrastructure improvements. A Dry Storage Facility ($257,500) will protect sensitive materials and equipment from weather exposure and extend their operational life. The Weather Port/Equipment Hangar ($300,000) will provide essential protection for the new equipment fleet, reducing maintenance costs and extending equipment lifespan.

Contractual ($617,000)
Contractual services costs were developed based on standard industry rates and recent similar projects in Alaska. Detailed breakdowns for each service include:
Incinerator Repair ($187,000):

- Technical assessment and planning: 80 hours at $185/hour = $14,800
- Specialized repair work: 420 hours at $250/hour = $105,000
- Parts and materials: $45,200
- Testing and certification: 120 hours at $185/hour = $22,000

Engineering and Design ($200,000):

- Site assessment and preliminary design: 280 hours at $175/hour = $49,000
- Detailed engineering drawings: 460 hours at $175/hour = $80,500
- Technical specifications development: 240 hours at $175/hour = $42,000
- Project oversight and documentation: 162 hours at $175/hour = $28,500

Groundwater Monitoring Wells ($180,000):

- Well installation labor: 320 hours at $225/hour = $72,000
- Materials and equipment: $68,000
- Testing and certification: 178 hours at $225/hour = $40,000

Methane Monitoring Wells ($50,000):

- Installation labor: 120 hours at $225/hour = $27,000
- Materials and equipment: $14,000
- Testing and certification: 40 hours at $225/hour = $9,000

Procurement Process
All equipment purchases and contractual services will be procured through a competitive bidding process in accordance with Federal procurement standards (2 CFR 200.317-326) and City of Dillingham procurement policies. The process will include:

1. Development of detailed specifications and scope of work for each procurement
2. Public advertisement of bid opportunities
3. Evaluation of bids based on technical requirements and cost
4. Compliance with Build America, Buy America provisions
5. Documentation of procurement process and selection decisions
6. Award to lowest responsive and responsible bidder

The City will maintain detailed records of all procurement activities and ensure full compliance with Federal grant regulations. No sole-source procurement is anticipated for this project.

Total Project Cost: $4,720,000

This comprehensive budget reflects the full scope of improvements needed to modernize the Dillingham Landfill facility and ensure its long-term operational sustainability. Each component has been carefully considered to maximize operational efficiency, environmental compliance, and community benefit. The investment in quality equipment and infrastructure will reduce long-term maintenance costs and provide reliable waste management services for the community.