



Gude Landfill Remediation

(P801801)

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|---------------|-----------------------------------|----------------------|--------------------------|
| Category | Recycling and Resource Management | Date Last Modified | 12/29/20 |
| SubCategory | Recycling and Resource Management | Administering Agency | Environmental Protection |
| Planning Area | Upper Rock Creek Watershed | Status | Ongoing |

EXPENDITURE SCHEDULE (\$000s)

| Cost Elements | Total | Thru FY20 | Rem FY20 | Total 6 Years | FY 21 | FY 22 | FY 23 | FY 24 | FY 25 | FY 26 | Beyond 6 Years |
|----------------------------------|---------------|--------------|------------|---------------|------------|---------------|---------------|---------------|---------------|--------------|----------------|
| Planning, Design and Supervision | 6,955 | 1,789 | 281 | 4,795 | 456 | 771 | 932 | 905 | 877 | 854 | 90 |
| Construction | 54,791 | - | - | 54,133 | - | 17,558 | 10,561 | 11,200 | 9,810 | 5,004 | 658 |
| TOTAL EXPENDITURES | 61,746 | 1,789 | 281 | 58,928 | 456 | 18,329 | 11,493 | 12,105 | 10,687 | 5,858 | 748 |

FUNDING SCHEDULE (\$000s)

| Funding Source | Total | Thru FY20 | Rem FY20 | Total 6 Years | FY 21 | FY 22 | FY 23 | FY 24 | FY 25 | FY 26 | Beyond 6 Years |
|---------------------------------------|---------------|--------------|------------|---------------|------------|---------------|---------------|---------------|---------------|--------------|----------------|
| Current Revenue: Solid Waste Disposal | 22,700 | 1,789 | 281 | 20,630 | 456 | 18,329 | 1,845 | - | - | - | - |
| Revenue Bonds | 39,046 | - | - | 38,298 | - | - | 9,648 | 12,105 | 10,687 | 5,858 | 748 |
| TOTAL FUNDING SOURCES | 61,746 | 1,789 | 281 | 58,928 | 456 | 18,329 | 11,493 | 12,105 | 10,687 | 5,858 | 748 |

APPROPRIATION AND EXPENDITURE DATA (\$000s)

| | | | |
|-----------------------------|--------|--------------------------|--------|
| Appropriation FY 22 Request | 10,955 | Year First Appropriation | FY18 |
| Cumulative Appropriation | 9,900 | Last FY's Cost Estimate | 61,746 |
| Expenditure / Encumbrances | 6,586 | | |
| Unencumbered Balance | 3,314 | | |

PROJECT DESCRIPTION

This project provides for the remediation of low-level environmental contamination at the Gude Landfill. The Maryland Department of the Environment (MDE) approved an Assessment of Corrective Measures (ACM) report for Gude Landfill in July 2016 which specifically outlines the approved Corrective Measure Alternative (CMA) for this remediation project. The MDE approved CMA will include toupee capping (regrading and capping the top of the landfill and selected slope areas with a synthetic liner and two feet of soil) and increased gas collection through the installation of additional gas extraction wells. These remediation measures will reduce infiltration of rainwater into the landfill resulting in the generation of less leachate, fewer leachate seeps, and better control of landfill gas migration.

LOCATION

600 E. Gude Drive, Rockville, Maryland

ESTIMATED SCHEDULE

The Gude Landfill Remediation project construction will begin in FY22 and is scheduled to be completed in FY27.

PROJECT JUSTIFICATION

The County and MDE entered a consent order in May 2013 which outlined requirements for assessing low-level groundwater contamination, gas migration, and other problems at the Gude Landfill. The Consent Order included provisions requiring a Work Plan and schedule to be established for assessing potential risks to human health and the environment, and development of an ACM report and implementation schedule. After consultation with industry experts, community groups, MDE, and County government leadership, the Department of Environmental Protection's (DEP) initial proposal to MDE in 2014 addressed the low-level groundwater contamination at the site with installation of bioremediation wells on the property. MDE's assessment of this bioremediation corrective measure in April 2015 determined that additional corrective measures would need to be included in the bioremediation approach to address all of MDE's requirements. A revised ACM report was submitted to MDE in April 2016 addressing all MDE's comments and selecting corrective measures consisting of a toupee cap, additional landfill gas collection, and stormwater drainage improvements. The County has been mandated to perform work outlined in the consent order. Moving forward with the remediation of Gude Landfill, as required by MDE, will also address concerns raised by the adjacent community and allow planning for future reuses of the property.

FISCAL NOTE

The source of the additional funding will likely be Solid Waste (Disposal Fund) Revenue Bonds. Discussions are under way with Finance and the Office of Management and Budget pursuant to this option, but it may change if another financing method is more advantageous. A mid-FY21 amendment reduced Current Revenue: Solid Waste Disposal by \$6,000,000 and increased Revenue Bonds by \$6,000,000.

DISCLOSURES

A pedestrian impact analysis has been completed for this project.

COORDINATION

Northeast Maryland Waste Disposal Authority (NMWDA), Maryland Department of the Environment (MDE), Department of Permitting Services, Health and Human Services, the Maryland-National Capital Park and Planning Commission, the U.S. Army Corps of Engineers, the Gude Landfill Concerned Citizens (GLCC), County social service agencies, and adjacent property owners.