Gude Landfill Remediation

(P801801)

Category	Solid Waste-Sanitation	Date Last Modified	01/04/18
SubCategory	Solid Waste Management	Administering Agency	Environmental Protection
Planning Area	Rockville	Status	Ongoing

EXPENDITURE SCHEDULE ($000s)

Cost Elements	Total	Thru FY17	Est FY18	Total 6 Years	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	Beyond 6 Years
Planning, Design and Supervision	1,900	-	500	1,400	500	400	300	200	-	-	-
Site Improvements and Utilities	500	-	500	-	-	-	-	-	-	-	-
Construction	26,300	-	-	26,300	-	8,000	12,000	6,300	-	-	-
TOTAL EXPENDITURES	28,700	-	1,000	27,700	500	8,400	12,300	6,500	-	-	-

FUNDING SCHEDULE ($000s)

Funding Source	Total	Thru FY17	Est FY18	Total 6 Years	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24	Beyond 6 Years
Current Revenue: Solid Waste Disposal	28,700	-	1,000	27,700	500	8,400	12,300	6,500	-	-	-
TOTAL FUNDING SOURCES	28,700	-	1,000	27,700	500	8,400	12,300	6,500	-	-	-

OPERATING BUDGET IMPACT ($000s)

Impact Type		Total 6 Years	FY 19	FY 20	FY 21	FY 22	FY 23	FY 24
Maintenance		125	-	-	-	25	50	50
NET IMPACT		125	-	-	-	25	50	50

APPROPRIATION AND EXPENDITURE DATA ($000s)

Appropriation FY 19 Request	500
Appropriation FY 20 Request	8,400
Cumulative Appropriation	1,000
Expenditure / Encumbrances	-
Unencumbered Balance	1,000

Year First Appropriation	FY18
Last FY's Cost Estimate	28,700

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 remediation method. Remediation of the Gude Landfill 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, MD

Estimated Schedule

The Gude Landfill Remediation project construction will begin in FY20 and be completed in FY22.

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 Assessment of Corrective Measures (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 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 potential future uses of the property.

Coordination

Maryland Department of the Environment (MDE), Department of Permitting 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.