



Brown Station Road Area C Sanitary Landfill

What You Need to Know

Project Manager:	Sara Haile, Maryland Department of the Environment (MDE) Solid Waste Program; 410-537-3315 or toll-free 1-800-633-6101 x3315
Applicant & Operator:	Prince George's County Department of the Environment
Property Owner:	Prince George's County Department of the Environment
Proposed Application:	The application is to construct and operate proposed Area C, to be constructed in the area between the closed landfill known as Area A and the active landfill designated Area B, on 217 acres of the Brown Station Road Sanitary Landfill. The application also increases the permitted elevation of the existing landfills vertically from 210 feet (ft) above mean sea level (AMSL) to 250 ft AMSL.

Site Information

LOCATION: The proposed Area C landfill is to be constructed between the existing Area A and Area B of the Brown Station Road Sanitary Landfill located at 3500 Brown Station Road in Upper Marlboro, Prince George's County, Maryland. Area C will encompass a total of a 217-acre fill area on a 1,250-acre facility.

FACILITY: The landfill accepts residential and commercial solid waste (household refuse and waste from businesses), bulky waste (household appliances and white goods), scrap metals, scrap automobile and truck tires, and construction and demolition (C&D) debris.

SITE STRATIGRAPHY: The site lies within the Atlantic Coastal Plain underlain by unconsolidated deposits of gravel, sand, silt, and clay soils. The site is nearly level to gently sloping ridges with a low plateau. The soils found at the site and the surrounding areas are of the Westphalia-Sassafras association and are characteristically deep and well-drained.

GROUNDWATER AND SURFACE WATER MONITORING: Groundwater at the landfill is monitored through the semi-annual sampling of 39 monitoring wells for volatile organic compounds (VOCs), inorganic, and general chemistry parameters. Groundwater elevation is measured monthly at 56 wells. In addition to the monitoring wells, surface water is collected from 5 stream locations on a semi-annual basis. Consistent with historic results, arsenic concentrations in well A-16 are higher than the background level downgradient of the older unlined portion of the landfill. However, arsenic concentrations do not exceed background levels in nearby well A-23 which is close to the property line. In recent years cadmium and cobalt have been elevated at well B-6R at the northwestern portion of the site. A focused investigation has shown that the elevated inorganic compounds are not present at the nearest property boundary. In addition, surface water samples from the nearby stream location (SW-1) have not detected cadmium or cobalt during any monitoring event. There is also an ongoing investigation for VOCs in groundwater near well A-2. Following the completion of this investigation, the Solid Waste Program will evaluate remedial actions for the area near A-2. MDE is currently reviewing updated monitoring plans for the landfill which were submitted in October 2019.



Brown Station Road Area C Sanitary Landfill

Page 2 of 3

METHANE GAS MONITORING: Landfill gas (LFG) monitoring is conducted quarterly at 20 LFG probes near the perimeter of the landfill. Consistent with prior results, there was no methane detected during the first and second quarterly gas monitoring events on March 5 and June 20, 2019.

Application Process

July 16, 2019, MDE received 14 copies of the Phase I Report and Refuse Disposal Permit Application for the proposed Brown Station Road Area C Sanitary Landfill.

July 30, 2019, MDE sent a letter to the Prince George's County Executive requesting a written statement that the proposed landfill meets all applicable County zoning and land use requirements and is in conformity with the County's solid waste plan.

August 5, 2019, MDE distributed the Phase I Report to interested agencies for their review and comments.

August 29, 2019, MDE received a letter from Prince George's County, government Infrastructure and Technology, stating "Disposal Area C is within the existing footprint of the landfill, which meets all applicable County zoning and land use requirements and is in conformity with the County's Ten-Year Solid Waste Management Plan".

September 17, 2019, MDE conducted a joint plan review meeting on the Phase I Report and a site visit of the landfill.

December 17, 2019, MDE held Public Information Meeting.

February 7, 2020, Phase I is considered complete. MDE advised the applicant to proceed with the preparation and submission of 13 copies of the Phase II Geology and Hydrology Report.

November 12, 2020, MDE received 13 copies Phase II Geology and Hydrology Report.

December 16, 2020, MDE distributed the Phase II Report to interested agencies for their review and comments.

January 19, 2021, MDE conducted a Phase II Joint Plan Review Virtual Meeting.

May 6, 2021, MDE sent out comments on the Phase II Report to the applicant for their response.

August 12, 2021, MDE received a response to our May 6, 2021 comments.

November 23, 2021, MDE sent out comments on the revised Phase II Report to the applicant for their response.

December 31, 2021, MDE received a revised Phase II in response to November 23, 2021 comments.

January 10, 2022, MDE approved the completion of the Phase II Geology and Hydrology and advised for the preparation and submission of the Phase III Engineering Plans and Specifications Report.



Brown Station Road Area C Sanitary Landfill

Page 3 of 3

Public Informational Meeting/Public Hearing

MDE's permitting process includes a review of the permit application and comments on the proposed project solicited from several Maryland State, federal and local agencies. Provided all minimum requirements of the permit application are satisfied, MDE will schedule, advertise and hold the required public informational meeting.

MDE published tonight's Notice of Application Received and Informational Meeting in the Dec 5th and 12th, 2019 editions of the Washington Post Newspaper.

Written comments on the application may be submitted to Ms. Kaley Laleker, Director, Land and Materials Administration, 1800 Washington Boulevard, Suite 610, Baltimore, Maryland 21230.