



# 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

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**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 an 800-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 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 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 37 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. An investigation of groundwater and surface water quality for constituents of concern (COC) was initiated near B-6R in 2013, due to elevated inorganic concentrations at the well, which is located on the northwest edge of the site near the Leachate Treatment Facility and Turkey Branch. Additional wells and surface water locations were added in the area. During the 2nd 2022 monitoring event, the COC (cadmium and cobalt) did not exceed the upper protection limit (UPL) at any of the "B-6R Area of Concern" groundwater and surface water sampling locations. An investigation of VOC contamination began in 2013 near A-2 (and A-22) at the southern corner of the site near Brown Station Road. Additional wells have been installed as part of the investigation and are routinely monitored. During the 2nd 2022 monitoring event, there were many VOC detections and several on-going MCL exceedances for VOCs in the "A-2 Area of Concern". The Department is currently evaluating an Assessment of Corrective Measures for the A-2 Area of Concern.



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**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 third and four quarterly gas monitoring events on August 10 and November 9, 2022.

## Application Process

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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 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.

February 7, 2020, MDE sent a letter to the applicant stating that the Phase I Application is complete.

November 12, 2020, MDE received the Phase II Geology & Hydrology Report.

December 16, 2020, MDE distributed the Phase II Report to all interested agencies.

January 19, 2021, MDE conducted a Phase II Joint Plan Review virtual meeting.

May 6, 2021, MDE sent the Phase II comment letter.

August 12, 2021, MDE received revised Phase II Report in response to our comment letter.

November 23, 2021, MDE sent a letter to the consultant for further clarification to some discrepancies in the maximum groundwater elevation and water level in the borings.

December 30, 2021, MDE received a revised Phase II Report.

January 10, 2022, MDE sent a letter to the applicant stating that the Phase II Report is complete.

March 28, 2022, MDE received the Phase III Engineering Plans and Specifications Report.

June 7, 2022, MDE distributed the Phase III Report to all interested agencies.



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June 22, 2022, MDE conducted a Phase III Joint Plan Review virtual meeting.

August 19, 2022, MDE sent out comments on the Phase III Report.

December 16, 2022, MDE received a response to our August 19, 2022 comments.

February 6, 2023, MDE sent out comments on the revised Phase III Report.

March 6, 2023, MDE received a revised Phase III Report.

March 10, 2023, MDE sent a letter to the applicant stating that the Phase III Report is complete.

## Public Informational Meeting/Public Hearing

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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 Notice of Application Received and Informational Meeting in the Dec. 5th and 12th, 2019 editions of the Washington Post Newspaper. On Dec. 17, 2019, MDE held a Public Informational Meeting at the Arrowhead Elementary School located at 2300 Sansbury Road, Upper Marlboro, Maryland.

MDE published tonight's Notice of Tentative Determination and Public Hearing in the Mar. 23<sup>rd</sup> and 30<sup>th</sup>, 2023 editions of the Washington Post Newspaper. Written comments on the application may be submitted to Tyler Abbott, Director, Land and Materials Administration, 1800 Washington Boulevard, Suite 610, Baltimore, Maryland 21230.