



## CHESAPEAKE TERRACE RUBBLE LANDFILL

### What You Need to Know

Project Manager:	Allison Marong, Maryland Department of the Environment (MDE), Solid Waste Program, 410-537-3315 or toll free 1-800-633-6101 x3315
Applicant/Property Owner:	National Waste Managers, Inc.
Operator:	National Waste Managers, Inc.

### **SITE INFORMATION**

**LOCATION:** The proposed Chesapeake Terrace Rubble Landfill will be located along Patuxent Road in Odenton, Anne Arundel County, Maryland. The landfill will be bounded on the northeast by the Little Patuxent River, on the west by the Amtrak Railroad, on the southwest by Conway Road, and on the southeast by Patuxent River Park.

**FACILITY:** National Waste Managers, Inc. has applied for a Refuse Disposal Permit to construct and operate a non-hazardous solid waste acceptance facility that will accept land clearing debris and construction and demolition debris for disposal and/or recycling. The proposed landfill is estimated to provide approximately 22 million cubic yards of landfill capacity to encompass a 150-acre fill area on a 480-acre site. The landfill will be required to have a liner and leachate collection system to capture and collect water that infiltrates into the landfill. There will also be a network of monitoring wells around the landfill to monitor the quality of the groundwater beneath the site.

**SITE STRATIGRAPHY:** The site lies within the Atlantic Coastal Plain Physiographic Province. The Coastal Plain sediments consist predominantly of unconsolidated sediments that dip and thicken to the east-southeast. The unconsolidated sediments are approximately 1,000 feet thick and are underlain by crystalline rock. The eastern portion of the site consists of the Patuxent River Terrace deposits with an approximate thickness of 3 to 60 feet. The Patuxent River Terrace deposits are also observed in the western portion of the site. They are underlain by approximately 300 feet of the Patapsco Formation consisting of sand-gravel and silt-clay facies. The sand-gravel facies is at higher elevations and represents the Upper Patapsco Aquifer, while the silt-clay facies represents the underlying clay confining unit.

The proposed site is divided into 4 hydrogeologic areas designated as A, B, TA and TB. Hydrogeologic Area A is underlain by at least 50 feet of permeable sand; Hydrogeologic Area B is underlain by a clay subsurface; Hydrogeologic Area TA transitions from clay in Area B to the sandy deposits in Area A; and Hydrogeologic Area TB transitions from thick to thinner clay.

**GROUNDWATER:** Numerous soil borings and monitoring wells were installed on the site to determine the groundwater quality and characterization beneath the site. The monitoring wells were analyzed for volatile organic compounds (VOCs), inorganics, and general chemistry parameters. The unconfined water bearing zone (WBZ) detected 3 VOCs above their reporting limits. 2 wells detected acetone, 3 wells detected chloroform, and methyl tert-butyl ether (MTBE) was detected from 3 wells. The confined WBZ detected 3 VOCs: acetone, cis-1,2-DCE and PCE were detected from 1 well above their corresponding reporting limits. For inorganic parameters, concentrations of arsenic, barium, chromium, lead and zinc were detected above their reporting limits but below their screening level. In addition, total cadmium and mercury concentrations were below detection in the unconfined WBZ. These inorganics can occur in natural Maryland groundwater due to their presence in some minerals.

## APPLICATION PROCESS

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December 20, 1988, MDE received the Refuse Disposal Permit Application and Phase I Report for the proposed Chesapeake Terrace Rubble Landfill.

January 11, 1989, MDE distributed the permit application to interested agencies and scheduled a Phase I site visit.

January 26, 1989, MDE conducted a site visit of the proposed site.

June 8, 1989, MDE received a revised Phase I Report.

July 26, 1989, MDE distributed the revised Phase I Report to interested agencies for their review and comments.

March 27, 1990, MDE received the Phase II Geological and Hydrological Report.

April 30, 1990, MDE distributed the Phase II Report to interested agencies for their review and comments.

May 31, 1990, MDE conducted a joint plan review meeting on the Phase II Report.

October 24, 1991, MDE received the Phase III Engineering and Specifications Report.

February 4, 1992, MDE advised the applicant that information regarding wetlands was not addressed in the Phase II Report, and review of the Phase III Report would not begin until the Phase II Report was complete. MDE also advised the applicant to submit documentation from Anne Arundel County that the proposed landfill meets all local zoning and land use requirements and is in conformity with the County Solid Waste Management Plan and submit a copy of the deed for the property and, if necessary, documentation that the applicant has legal permission to use the land as a refuse disposal site.

June 20, 1994, MDE received a revised Phase III Report.

August 4, 1997, MDE received a letter from Anne Arundel County Department of Public Works stating that the Chesapeake Terrace Rubble Landfill meets all applicable County zoning and land use requirements and is in conformity with the County Solid Waste Plan.

December 12, 1997, MDE received a letter from Anne Arundel County Department of Public Works stating that the Special Exception approval pertinent to the Chesapeake Terrace Rubble Landfill was rescinded by operation of law effective August 23, 1997, and the landfill is no longer in conformance with County zoning requirements.

January 28, 1998, MDE sent a letter to the applicant stating that the processing of the permit application will be suspended until the zoning issues are resolved.

March 29, 2001, MDE sent a letter advising the applicant to submit a revised Refuse Disposal Permit Application.

June 5, 2001, MDE received a revised Refuse Disposal Permit Application form.

June 22, 2001, MDE received a letter dated June 20, 2001, from Anne Arundel County, Office of Planning and Zoning, stating that the proposed facility is deemed to be in conformance with the County Solid Waste Plan and meets all applicable County zoning and land use requirements subject to the performance of the conditions required by the special exception approval.

January 11, 2002, MDE received additional 10 copies of the Phase II Geological and Hydrological Report.

February 4, 2002, MDE transmitted the additional Phase II information to all interested agencies for their review and comments.

August 5, 2002, MDE sent comments to the applicant on the Phase II Report.

December 9, 2003, MDE received an addendum to the Phase II Report.

October 1, 2004, MDE sent comments on the Phase II addendum to the applicant.

December 27, 2004, the applicant submitted an addendum to the Phase II Report.

February 3, 2005, MDE sent a letter to the applicant stating that the Phase II Report is complete.

February 9, 2005, MDE received a letter from the applicant requesting to continue with the permit process.

April 14, 2005, MDE received 13 copies of the Phase III Engineering Plans and Specification Report.

June 15, 2005, MDE transmitted the Phase III Report to all interested agencies for their review and comments.

September 14, 2005, MDE conducted a joint plan review meeting on the Phase III Report.

August 21, 2006, MDE received revised plans for the Phase III Report.

November 27, 2006, MDE sent comments on the revised Phase III Report to the applicant.

January 29, 2007, MDE received a response to comments on the Phase III Report from the applicant.

June 16, 2008, MDE received a revised Phase III Report.

February 19, 2009, MDE sent comments on the revised Phase III Report to the applicant.

April 28, 2009, MDE received the Phase III Report Addendum 1.

November 20, 2009, MDE received a letter from Anne Arundel Office of Law stating that the special exception remained in effect until the Board of Appeals ruled on the time extension variance. If the Board denied the variance, the approval would lapse and a new special exception hearing would be required. In addition, the site access requirements have not been satisfied by the applicant.

May 11, 2010, MDE sent comments on the Phase III Report Addendum 1 to the applicant.

August 2, 2010, MDE received the Phase III Report Addendum 2.

March 4, 2011, MDE sent comments on the Phase III Report Addendum 2 to the applicant.

June 17, 2011, MDE received a response to comments on the Phase III Report from the applicant.

March 23, 2012, MDE received a revised Phase III Report.

July 19, 2012, MDE sent comments on the revised Phase III Report to the applicant.

February 11, 2013, MDE received a plan from the applicant to conduct a Supplemental Field Investigation.

January 14, 2014, MDE received revisions to the Phase III Report.

In 2015, MDE suspended review of the application pending resolution to zoning issues on the local level.

November 13, 2018, MDE received a letter from Anne Arundel Office of Law stating that the Supplemental Memorandum of Opinion issued by the Board of Appeals of Anne Arundel County on October 19, 2018, grants the applicant's request for a variance for a two-year extension of time for the implementation and completion of a previously approved special exception and variances, which is permissible under applicable County zoning laws.

February 11, 2019, MDE held a meeting with the applicant to reactivate the Refuse Disposal Permit Application for the proposed landfill.

May 7, 2019, MDE received a revised Phase II Geological and Hydrogeological Report.

June 21, 2019, MDE sent comments on the revised Phase II Report to the applicant.

August 8, 2019, MDE received a revised Phase II Report.

October 25, 2019, MDE sent comments on the revised Phase II Report to the applicant.

June 5, 2020, MDE received a revised Phase II Report.

June 16, 2020, MDE sent a letter to the applicant stating that the Phase II Report is approved.

July 2, 2020, MDE redistributed the revised Phase II Report to all interested agencies.

July 22, 2020, MDE received a revised Phase III Engineering Plans and Specification Report.

July 29, 2020, MDE redistributed the revised Phase III Report to all interested agencies for their review and comments.

August 31, 2020, MDE received Phase III comments from the Office of the County Executive.

October 1, 2020, MDE conducted a Phase III Joint Plan Review virtual meeting with the applicant and interested agencies.

October 2, 2020, MDE received a letter from Anne Arundel County Maryland Office of Law stating that the zoning condition has not been satisfied.

October 20, 2020, MDE sent a letter to notify the applicant that MDE has ceased processing the permit application since the project does not meet all Anne Arundel County zoning and land use requirements.

June 2, 2021, MDE began processing the permit application based on the result of the Circuit Court for Anne Arundel County's decision concerning Case No.: C-02-CV-20-002291.

June 14, 2021, MDE redistributed the Phase III Report to all interested agencies.

July 15, 2021, MDE conducted a second Phase III Joint Plan Review virtual meeting to discuss the Phase III Report and address any comments.

July 27, 2021, MDE sent comments on the revised Phase III Report (received on July 22, 2020) to the applicant.

September 3, 2021, MDE received responses to MDE's comments, along with a revised Phase III Report.

October 22, 2021, MDE sent out comments on the revised Phase III Report (received on September 3, 2021) for further clarification on the applicant's responses to MDE's comments.

November 9, 2021, MDE received a response to further clarify MDE's comments.

November 10, 2021, MDE received a revised Sediment and Erosion Control Plan approved by Anne Arundel Soil Conservation District (AASCD) # 2021-0505.

January 7, 2022, MDE sent out comments on the revised Phase III Report (received on November 9, 2021) to the applicant.

January 11, 2022, MDE received a response to our January 7, 2022 comments.

January 12, 2022, MDE sent a letter to the applicant stating that the responses to Phase III Engineering Plans and Specifications Report is satisfied and requested the applicant to submit the final submission of the Phase III Engineering Plans and Specifications Report.

January 14, 2022, MDE received the Final Phase III Engineering Plans and Specifications Report.

March 11, 2022, MDE sent a letter to the applicant stating that the Phase III Report is approved.

## **PUBLIC INFORMATIONAL MEETINGS**

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MDE published a Notice of Application Received and Informational Meeting in the July 1<sup>st</sup> and 8<sup>th</sup>, 1994 editions of the Capital Newspaper. On July 14, 1994, MDE held an initial Public Informational Meeting at the Arundel Middle School located at 1179 Hammond Lane, Odenton, Maryland 21113.

MDE published a Notice of Application Received and Informational Meeting in the November 13<sup>th</sup> and 20<sup>th</sup>, 2001 editions of the Capital Newspaper. On December 3, 2001, MDE held a second Public Informational Meeting at the Odenton Volunteer Fire Hall located at 1425 Annapolis Road, Odenton, Maryland 21113.

MDE published a Notice of Application Received and Informational Meeting in the November 6<sup>th</sup> and 13<sup>th</sup>, 2019 editions of the Capital and Maryland Gazette Newspapers. On November 21, 2019, MDE held a third Public Informational Meeting at Double Tree by Hilton Hotel, Mailsail and East Conference Rooms, located at 210 Holiday Court, Annapolis, Maryland 21401

MDE published tonight's Notice of Informational Meeting in the May 11<sup>th</sup> and May 18<sup>th</sup>, 2022 editions of the Capital and Maryland Gazette Newspapers. Written comments regarding the application may be addressed to Ms. Kaley Laleker, Director, Land and Materials Administration, 1800 Washington Boulevard, Suite 610, Baltimore, Maryland 21230.