

FORM 1 FACILITY PLAN

Prepared 07/2000; Rev 02/2001, 07/2003, 07/2013, 07/2023

This Form 1 is provided to provide an update for the remaining airspace and life for this facility as part of the Permit Renewal Application.

Form 1 - Table of Contents

FORM (Rev 07/2023)	This Permit Renewal Application (First Page Only)
Attachment 1-1 (Rev 02/2001)	Facility Plan Narrative
Exhibit 1-1.1 (Rev 02/2011)	Volume Calculations
Exhibit 1-1.2 (Rev 07/2023)	Site Life Calculation This Permit Renewal Application
Exhibit 1-1.3	Conceptual Plans of Subgrade & Final Grades

(1) Exhibit names shown above with bold formatting identify those Exhibits that have been revised as part of this Permit Renewal Application.



Date Prepared/Revised <i>Prepared 07/2000</i> <i>Revised 02/2001, 07/2013,</i> <i>07/2023</i>
Date Received

FORM 1 FACILITY PLAN

This form must be fully and accurately completed. All required information must be typed or legibly printed in the spaces provided. If additional space is necessary, identify each attached sheet as Form 1, reference the item number and identify the date prepared. The "date prepared/revised" on any attached sheets needs to match the "date prepared/revised" on this page.

General References: 273.112, 277.112, 279.102, 283.102

SECTION A. SITE IDENTIFIER

Applicant/permittee *Westmoreland Sanitary Landfill, LLC.*

Site Name *Sanitary Landfill*

Facility ID (as issued by DEP) *100277*

SECTION B. NARRATIVE

Provide a narrative that describes the following:

1. General operational concept for proposed facility; including:
 - a. Origin, composition, and weight or volume of solid waste*
No change as part of this Permit Renewal application.
 - b. Type of liner system
No change as part of this Permit Renewal application.
 - c. Proposed capacity of facility*
No change as part of this Permit Renewal application.
 - d. Expected life of facility and size*
34.8-years from December 31, 2022, Refer to Attachment 1-1, Exhibit 1-1.2.
 - e. Sequence and timing of solid waste disposal operations
No change as part of this Permit Renewal application.

2. A detailed description of the volume of soil needed to construct and operate the facility and of the method by which the soil will be delivered. The description will include the number of trucks, the access roads they will use, delivery times and any other information relevant to assessing the impacts of the operation.
No change as part of this Permit Renewal application.

*Complete page 2 of this form (Sections A, B, C, D & E)

SECTION C.

A. Origin, composition, and weight or volume of wastes

Waste Type	Origin	Composition	Present Weight or Volume (tons, cubic yards, gallons/yr)
1. Municipal	<u>(1)</u>	<u>(1)</u>	<u>(1)</u>
2. Construction/Demolition	<u>(1)</u>	<u>(1)</u>	<u>(1)</u>
3. Sewage/sludge	<u>(1)</u>	<u>(1)</u>	<u>(1)</u>
4. Residual	<u>(1)</u>	<u>(1)</u>	<u>(1)</u>
5. Other (Explain)	<u>(1)</u>	<u>(1)</u>	<u>(1)</u>

Additional Comments No change to waste type of rate of acceptance as part of this Permit Renewal application.

B. Proposed capacity of facility (tons, cubic yards, gallons/yr) Permitted Airspace

C. Daily Waste Quantities

1. Maximum daily volume or weight 2,500-TPD, no change as part of this Permit Renewal application.

*2. Average daily volume or weight 2,000-TPD, no change as part of this Permit Renewal application.

D. Expected life of facility (years) 34.8-years, See Attachment 1-1, Exhibit 1-1.2.

E. Size of facility (acres) No change as part of this Permit Renewal application.

*Calculation of averaged daily volume or weight must be on a quarterly basis.

FORM 1 – FACILITY PLAN

**ATTACHMENT 1-1
EXHIBIT 1-1.2**

Site Life Calculation

This calculation provides an estimate of the remaining site life which has been updated with this Permit Renewal Application.

Civil Design Solutions, Inc.

PROJECT SANITARY LANDFILL PROJECT NO. 2023-118
REMAINING AIRSPACE AND SITE LIFE CALCULATION PAGE 1 OF 1

MADE BY KAF DATE 12-Jul-23 CHECKED BY DWM DATE 12-Jul-23

INTRODUCTION Estimate the remaining operational life for the Sanitary Landfill facility using the remaining airspace estimated here.

METHOD The facility's Total Remaining Airspace will be calculated by using the following calculation. Total Airspace Remaining = Permitted Airspace – Total Airspace Used.

The remaining operational life will be estimated utilizing the permitted ADV of 2,000-tpd.

REMAINING AIRSPACE The permitted airspace of this facility is 32,631,391 CY. The total airspace that has been used as of December 31, 2022 is 6,334,021 CY which has been taken from the 2022 Annual Report.

$$32,631,391 \text{ CY} - 6,334,021 \text{ CY} = 26,297,370 \text{ CY}$$

The Remaining Airspace as of 12/31/2022 is 26,297,370 CY.

REMAINING OPERATIONAL LIFE The remaining operational life will be estimated using the Total Remaining Airspace with the following assumptions.

- The Sanitary Landfill will operate up to 312 operational days per year, calculated as 52-weeks * 6-days/week = 312-days/year.
- Based on 2022 Annual Operations Report, the in-place waste density is assumed to be 0.825-tn/cy.
- The maximum average landfill operations are controlled by the ADV of 2,000-tpd.

$$26,297,370\text{-CY} * \frac{0.825\text{-TN}}{\text{CY}} * \frac{\text{Day}}{2,000\text{-Tons}} * \frac{\text{Year}}{312 \text{ Days}} = 34.8 \text{ - YR}$$

CONCLUSION With continuous daily operation levels at the currently permitted ADV of 2,000-tpd, the site will provide approximately 34.8-years of operational life from December 31, 2022.