

Ashe County

Staff Report

8/30/2021

RE: Landfill Airspace Analysis

Summary:

Below is an analysis of the remaining space in the current cell at the Ashe County Landfill. According to the analysis, there are 7 years remaining, assuming an annual disposal rate of 23,400 tons, with a 2% increase each year. Also attached is the topographic map of the landfill from which the analysis was made.

Land Fill - Airspace Analysis

		Annual Tonnage	2% Annual Increase	
1	2021	23,400	468.0	2%
2	2022	23,868	477.4	2%
3	2023	24,345	486.9	2%
4	2024	24,832	496.6	2%
5	2025	25,329	506.6	2%
6	2026	25,835	516.7	2%
7	2027	26,352	527.0	2%

7 Year Total **173,962**

Attachments:

Landfill Map

Garrett & Moore Email



Ashe County Administration
150 Government Cir, Suite 2500
Jefferson, NC 28640



<p style="writing-mode: vertical-rl; transform: rotate(180deg);">SHEET 1</p> <p style="writing-mode: vertical-rl; transform: rotate(180deg);">GRAPHIC SCALE 1" = 75'</p>	<p>PHASE AREAS</p>	<p>COUNTY OF ASHE</p>	<p>GARRETT & MOORE</p> <p>Engineering for the Power and Waste Industries</p> <p>1029 West South St Raleigh, NC 27603 www.Garrett-Moore.com</p>
		<p>MSWLF</p>	

Adam Stumb

From: Vance Moore <vmore@garrett-moore.com>
Sent: Thursday, July 1, 2021 3:12 PM
To: Adam Stumb; Scott Hurley
Cc: cpatterson@withersravenel.com; Lawter, Butch; Bellis, Brian
Subject: Airspace Analysis

Mr. Stumb and Mr. Hurley:

We have completed the airspace analysis for the operational area of the Subtitle D MSWLF. We estimate 405,000 cubic yards of remaining "useable" airspace capacity beyond the date of the drone survey (June 15, 2021). Assuming an annual disposal rate of 23,400 tons increasing 2% annually, the area will reach capacity in about 7 years.

I would suggest we set up another TEAMS call to review the survey in more detail.

The following times are currently available:

Tuesday July 6 : All day after 10 AM
Wednesday July 7: All day
Thursday July 8: All day after 10 AM
Friday July 9: All day

Please let me know if any of these dates work for you.

We appreciate the opportunity to assist Ashe County on this Project!

Vance F. Moore, P.E.



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