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.

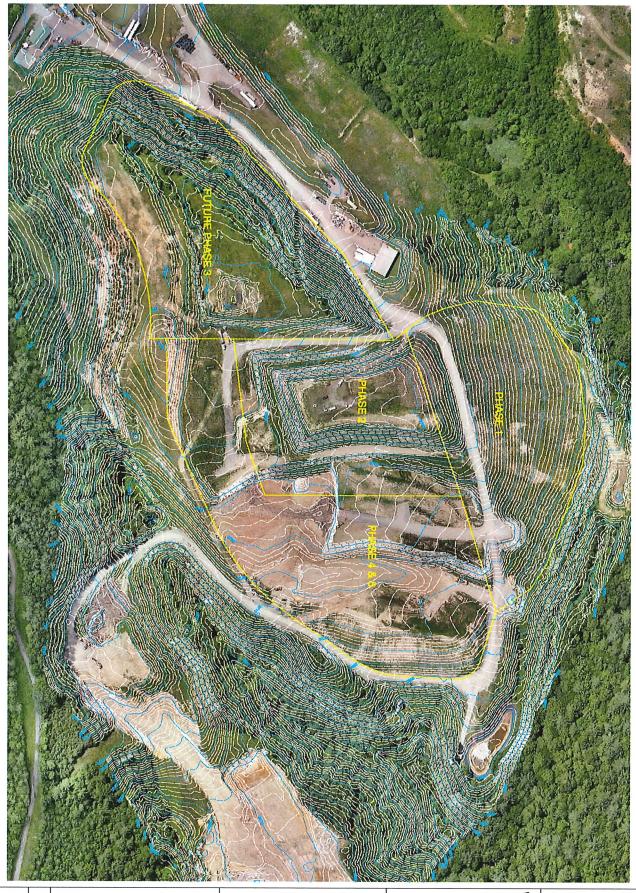
Land Fill - Airspace Analysis

		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



SHEET

PHASE AREAS

COUNTY OF ASHE

MSWLF

GARRETT & MOORE
Engineering for the Power and Waste Industries

1029 West South St Raleigh, NC 27603

Adam Stumb

From:

Vance Moore <vmoore@garrett-moore.com>

Sent: To: Thursday, July 1, 2021 3:12 PM 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.



1029 West South Street Raleigh, North Carolina 27603

Mobile: 919.218.0111