

Cecil Township PA
2024 Augustine & Schultz Well Pad Community Noise Monitoring
Interim Report



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TAV Report # 3019_01

CONTENTS

1	Introduction	2
2	Methodology.....	3
3	Results.....	4
4	Conclusions	5

1 INTRODUCTION

Thornton Acoustics & Vibrations (TAV) was retained by Cecil Township to perform community noise monitoring of the Bernard Schultz Well site and the Augustine well site to assess the noise emissions incident on residents along Nine-Eighty Road and North DePaoli Road respectively. The monitoring was initiated on February 25, 2024 and is tentatively scheduled to run until March 6, 2024.

The monitoring sites are shown in Figures 1 and 2.



Figure 1 Bernard Schultz well site and noise monitor

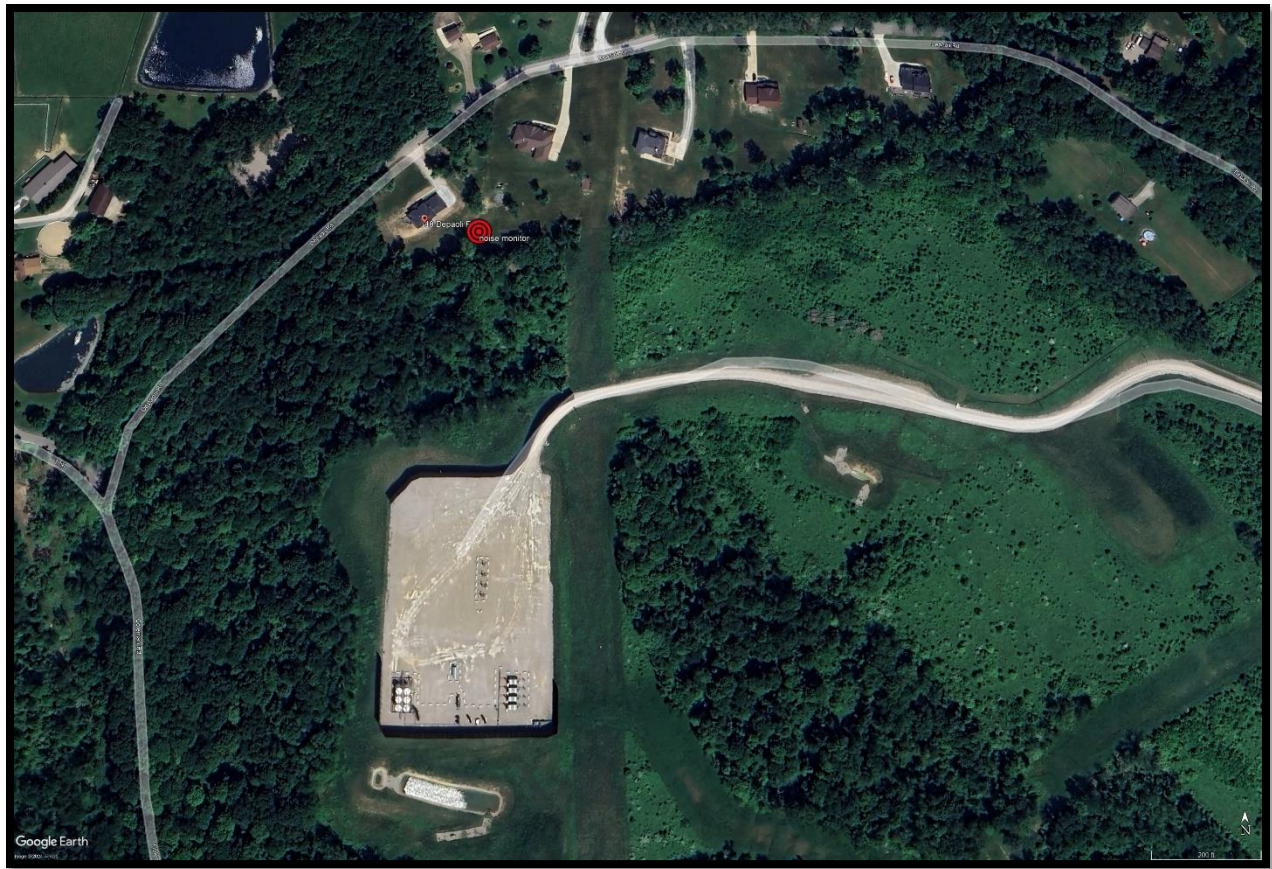


Figure 2 Augustine well site and noise monitor

This report is being issued as an interim report to address noise emissions from 2/25-2/26, 2024 as requested by the Cecil Township manager, Donald Gennuso. A full report will be issued at the completion of monitoring. As this is an interim report, for the sake of brevity and timeliness, it will omit much of the narrative, discussion, and documentation that will ultimately be provided in the final report.

2 METHODOLOGY

TAV installed Bruel & Kjaer Noise monitoring systems at the sites shown in Figures 1 and 2 and programmed these systems to record comprehensive noise data and calibrated audio continuously throughout the monitoring period. The noise data include metrics to allow

evaluation relative to the Cecil Township Noise Ordinance and the Cecil Township Oil & Gas Ordinance. All monitoring is being performed in accordance with the requirements of the Cecil Township Code and in accordance with accepted best practices and standards.

3 RESULTS

The measured noise levels at the two monitoring locations (plotted relative to the applicable Cecil Township Noise Limits) are shown in Figure 3.

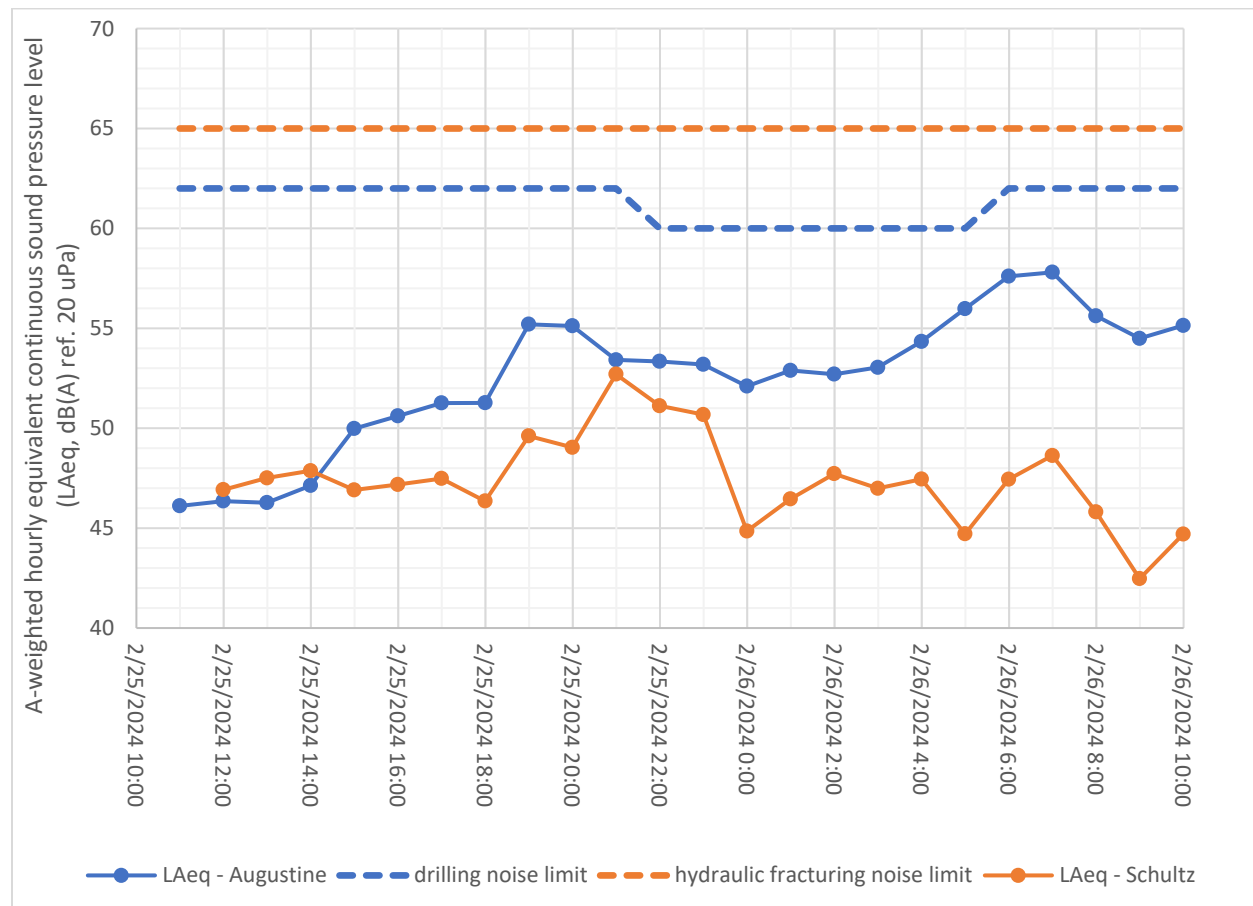


Figure 3 Measured noise monitoring data collected at the Augustine and Schultz well site locations plotted against the corresponding Cecil Code noise limits.

4 CONCLUSIONS

The noise levels observed from 10 AM on February 25, 2024 until 11 AM on February 26, 2024 at the Schultz and Augustine monitoring locations have not exceeded the nominal Cecil Township Code noise limits.

Best Regards,

A handwritten signature in black ink, appearing to read "William Thornton". The signature is fluid and cursive, with the first name "William" and last name "Thornton" clearly distinguishable.

William Thornton