H2H Associates

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Environmental Professionals
Geologic Consultants
Construction Services

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May 6, 2019

Caleb Carr — Via email
Medenbach and Eggers Civil Engineering and Land Surveying PC
4305 US Hwy 209
Stone Ridge, NY 12484

RE: **Response to Steve Malloy Comments On 850 Route 28 LLC Project Dated 04/15/2019**

Dear Mr. Carr

Below please find H2H's response to the comments received from Steven Malloy regarding the above referenced matter.

Our responses to Mr. Malloy's comments **(in bold font)** are in *italics.*

Responses to Steve Malloy Comments:

Noise Study Dated February 2019

1. Page 5 of the report notes that equivalent sound level measured at logging stations 11-14 during the day periods (8:30am to 12:30pm). This data was supplied but the monitoring results of the front end loader loading shot rock into a tractor trailer between 12:26pm-1:50pm was not provided. This information should be in the report and your analysis. The report also contains a small graph which is very hard to read noting times from prior to 12:00pm-2:00pm. It should reflect the template used in the ambient background report.

The monitoring results of the front end loader loading shot rock into a tractor trailer between 12:26-1:50pm is provided in the Noise Study Dated February 2019 (Sound Report) for logging stations 11,12,13, and 15 on pages 60, 69,74, and 79 respectively. The data collected between 12:26pm-1:50pm is in section 2.5.1 of the Sound Report. The analysis is also included in section 2.5.1 of the Sound Report. Sound data was collected between 8:00am -2:30pm on December 26. 2018. Data from prior to 12:00pm-2:00pm is shown in the Ambient Survey Monitoring Results Section 2.4, and in Appendix C of the Sound Report.

2. One minute reading on the data collection seems to be long in duration. I would like to see what seconds would look like. One minute reading may not take into account the higher db levels and/or is used to average out the peak noise.

The sound level meters collect data a rate of 16 times per second. The logging interval for the study is one minute meaning that the measurements collected over each one minute period are averaged into one LA_{eq} sound level. A one minute logging interval is used to allow for the data to be analyzed more effectively while still recording the maximum sound levels. This method does not affect the maximum sound level recorded during the study.

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3. **An actual site DB reading should be provided for the following on site equipment; material crusher , mobile batch plant and a tractor trailer , going up and down the inclined roadway between proposed buildings. A dozer with the blade running across bedrock and a sample blasting readings should be taken and recorded to understand what the residence will hear, as well as any other outside equipment that will be used during the construction and operation of the proposed plants.**

Collecting an actual on site sound level to understand what the residence will hear is not feasible given none of the equipment listed above will be on site until the project is started. H2H used sound levels collected from similar operations to best predict what the residence will hear. Based on H2H's findings shown in the Sound Report the largest anticipated increase in ambient sound levels at Receptor 2 (Steve Malloy residence) was while the crushing plant is in operation. Based on the fact that the crushing plant operates at 96.0 dB, and the above mentioned site equipment operates at a lower sound level (Table D of the NYSDEC "Assessing and Mitigating Noise Impacts" guidance document, Attachment A of Sound Report) H2H does not believe the above mentioned site equipment will have a greater impact on the Malloy residents than the primary crusher used in the Sound Report.

4. **The report does not note where the front end loader loading into the tractor trailer was in relation to the logging stations. That should be noted on the drawing showing distances to residence.**

A revised Figure 2 is attached showing the location of the front end loader loading shot rock into a tractor trailer, and the distances to each residence.

If you or your staff have any questions, please do not hesitate to contact me directly at (518) 270-1620, extension 102 or by email at mpolacco@h2hassociates.com.

Best Regards,

H2H Associates, LLC

Michael Polacco
Project Geologist

Attachments

cc.
Richard Hisert, PhD, PG, H2H Associates, LLC.

MAP NOTES:
1. CONTOUR INTERVAL = 2'.
2. AERIAL PHOTO BASED ON PHOTOGRAMMETRIC SURVEY COMPLETED 07-07-2017 BY H2H ASSOCIATES, LLC.
3. PROPERTY LINE AND PARCEL INFO FROM ULSTER COUNTY GIS TAX PARCEL SHAPEFILE

LEGEND:

- PROPERTY LINE
- ADJACENT PARCEL
- MAJOR CONTOUR
- MINOR CONTOUR
- WATER BOUNDARY
- PHASE 1 BOUNDARY (WHITE)
- PHASE 2 BOUNDARY (WHITE)
- LOGGING STATION (12)
- RECEPTORS (1)

SCALE IN FEET
0 80 160 320

N

DATE		REVISIONS RECORD/DESCRIPTION
2019-5-3	1	REVISED PER STEVE MALLOY COMENTS DATED 04-15-2019
	2	
	3	
	4	
	5	
	6	

THIS DRAWING IS NOT TO BE USED FOR ENGINEERING PURPOSES

DRAWN BY :	SAS
DESIGN BY :	SAS
CHECK BY :	MJP
PROJ. NO :	374.00
SCALE :	AS SHOWN
DATE :	07-07-2017

ROUTE 28 NOISE STUDY

850 ROUTE 28. LLC.

WEST HURLEY — ULSTER COUNTY, NY

H2H ASSOCIATES
TROY, NY WWW.H2HASSOCIATES.COM

FIGURE 2

SHEET 01 OF 02