



Hecla Yukon
Box 7, Elsa, Yukon Y0B 1J0
Phone (867) 995-3113
www.hecla.com

Memorandum

To: Todd Powell, Director, Mineral Resources, Energy, Mines and Resources
From: Hecla Yukon
CC: Keno City Residents
Date: 7/9/2023
Re: 2023 Q1 Noise Monitoring Results Summary

INTRODUCTION

This report has been created to summarize noise monitoring levels recorded during the first quarter of 2022 within Keno City, in accordance with the Keno Hill Silver District Mining Operations (KHSD) Noise Monitoring and Management Plan (October 2021).

Addressing potential noise effects on community wellbeing is of key importance given the location of the KHSD Mine Operations to Keno City. Alexco Keno Hill Mining Corp. (AKHM) monitors noise levels within the community at various locations to assess noise levels and to determine if the noise mitigation measures are effective.

Noise within the 20-60 dBA range is considered acceptable for daytime noise limits. A permissible sound level (PSL) of 40 decibels energy level equivalent (dBA Leq)^{1,2} has been established from a noise impact assessment (NIA). AKHM has a maximum NIA threshold of 39 Db that the company uses to assess if noise is excessive and may cause issues for residents in the area. The company has also set up a system for recording and keeping record of any noise complaints filed by area residents.

RESULTS

The noise meter was found to be non-operational in late February and could not be fixed by site staff, thus no noise data was collected during the first quarter of 2023. A new noise meter was immediately ordered and arrived at site in May 2023. Noise monitoring resumed in May 2023.

CONCLUSION

The noise meter was found to be non-operational in late February and could not be fixed by site staff, thus no noise data was collected during the first quarter of 2023. A new noise meter was immediately ordered and arrived at site in May at which time noise monitoring resumed at site.

REFERENCES

AKHM (Alexco Keno Hill Mining Corp.). (2021). *Keno Hill Silver District Mining Operations, Noise Monitoring and Management Plan*, October 2021.

PAAE (Patching Associates Acoustical Engineering Ltd.). (2014). *Noise Impact Assessment Update, Alexco Keno Hill Mining Corp., Proposed Flame and Moth Mine Project, Yukon Territory*. Prepared for Yukon Environmental and Socio-Economic Assessment Board (YESAB), September 23, 2014.