



# Kansas Safety Consultants

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February 20, 2013

Douglas County Commissioners  
Douglas County Courthouse, 2<sup>nd</sup> Floor  
1100 Massachusetts Street  
Lawrence, Kansas 66044

Commissioners,

On February 20, 2013, five SLM readings were taken at the Schaaque Sand Pit for Penny’s Aggregates, Inc. The location of the sand operation is 1752 N. 1500 Road – Lawrence, KS 66046.

The purpose of these readings is to determine if the dredge, when running, is a noise hazard to cattle and neighboring residents. There are two sets of tree lines for the noise to travel through between the dredge and the cattle. The river is 258’ wide at the dredging point. All measurements were determined by Google Earth.

The temperature was 17 degrees, with the wind blowing ENE at 6 mph. My dosimeter serial number is NPI030004 and calibrator number is QC-10.

The readings are as follows:

<u>Location</u>	<u>Time</u>	<u>Decibel Level</u>
Outside the dredge cab	8:15-8:17 am	92 dba
Field to south of dredge (1000’)	8:28-8:30 am	65 dba
25343 Alexander Rd (We heard the dredge in the background, but it did not register on the dosimeter. This location is 5,448’ to the dredge and 633’ from the road to the railroad tracks.)	9:15-9:17 am	65 dba
25253 Alexander Rd (Residence who submitted the noise complaint). It is 4,223’ from house to dredge.)	9:21-9:23 am	65 dba
24697 Alexander (This house is 1,257’ from the road. We knocked on the door for permission to take a reading and no one answered. The house is 3,045’ from the dredge.)	9:29-9:31 am	65 dba

I retired as an inspector from Mine Safety Health Administration (MSHA) after 25 years of service. I have over 29 total years of experience protecting the health and safety of our miners that work in eastern Kansas. MSHA has standards to protect the hearing of our miners actually working on site.

Upon my retirement, I became a certified instructor for MSHA and OSHA, training hundreds of miners and the general labor forces throughout the year. I have owned and operated Kansas Safety Consultants for 4 ½ years. Through our safety business, I have done numerous SLM readings. Normal conversation is 50-65 dba. There are railroad tracks in close proximity to these locations. Train engines have decibel levels that far exceed the readings we recorded today.

Based on the findings and my experience with noise monitoring, it is my professional opinion that the dredge did not expose the cattle or neighboring residents to an overexposure of noise.

Respectfully,

Chrystal A. Dye  
Consultant/Former MSHA Inspector