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January 31, 2013

Lewisville Independent School District 340 Lake Haven Lewisville, Texas 75057 Attention: Mr. Paul Siddall

Re: Air Quality Monitoring Report

Killough LHS-North 1301 Summit Avenue Lewisville, Texas SWG Project 0112100A

Southwest Geoscience ("SWG") is pleased to submit the following letter report summarizing the results of the air quality monitoring conducted from December 17 to December 19, 2012 at Killough LHS-North, located at 1301 Summit Avenue in Lewisville, Texas. SWG collected a continuous air sample utilizing a real-time infrared gas detection / gas chromatograph system. The pollutants of concern include volatile organic compounds (VOC), hydrogen sulfide (H_2S), oxygen (O_2) and carbon dioxide (CO_2). VOCs are emitted from well-drilling activities as hydrocarbons are released from the well bore. Some VOC may have short-term health effects. H_2S is a poisonous gas that is occasionally found in hydrocarbon formations.

The sampling indicated expected levels of $O_2(20.9\%)$, $CO_2(0.01\%)$, and H2S (0.00 ppm). The VOC concentration was elevated when compared to the sampling that occurred on August 24, 2012. VOC concentration averaged 604 ppm over the 48-hour sampling period, including 319 ppm propane, and 289 ppm butane plus (all isomers). This compares to 12.9 ppm VOC during the August 24, 2012 sampling event.

The United States Environmental Protection Agency (USEPA) has not established ambient air quality standards for VOCs. The American Conference of Governmental and Industrial Hygienists (ACGIH) has not established exposure values for VOCs or propane, but they have established a Threshold Limit Value (i.e., the average exposure on an 8 hrs/day, 40 hrs/week work schedule) for butane (800 ppm). The average butane concentration recorded during the sampling event is approximately 1/3 of the TLV standard.

Thank you for this opportunity to provide you with this information. Please contact me at (214) 350-5469 for further assistance.

Sincerely yours,

SOUTHWEST GEOSCIENCE

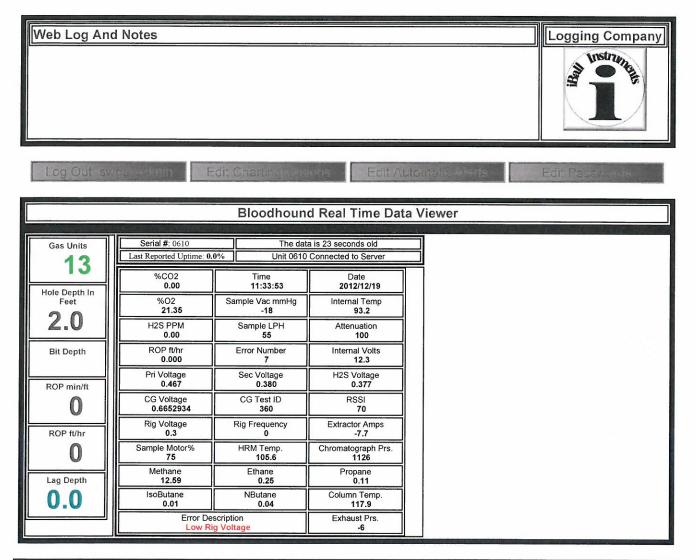
Darren G. Bowden Corporate Director

Industrial Hygiene Services

Attachment: Analytical



iBall Bloodhound System



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