NWB Tools

Valerie Kogvek <valerie.kogvek@nwb-oen.ca>

2AM-LUP1520 - Reports of Analysis for Diesel Fuels LUP MTF #15, 13, 04, 02 FL16_1199-001 to 004

1 message

Karyn Lewis <klewis@elginmining.com> Mon, Oct 3, 2016 at 8:10 PM
To: Karén Kharatyan <karen.kharatyan@nwb-oen.ca>, Licensing Department <licensing@nwb-oen.ca>, Valerie Kogvek <valerie.kogvek@nwb-oen.ca>

Hi,

Please find attached the diesel fuel Analytical Reports, and a brief description below of the findings, for the Lupin Mine site as per LMI's commitment list in regards to the INAC's request for amendment to licence 2AM-LUP1520.

To address the concerns regarding suitability of the diesel fuel at the Lupin Mine site, samples were collected from four tanks at the site and analyzed for the full diesel specification suite. Upon receipt of the analytical results, knowledgeable industry personnel were consulted to evaluate the implications of the results. Tank fuel samples were compliant with the Canadian General Standards Board specification for Diesel Fuel (CAN/CGSB-3.517-2015 Type B) with the exception of total sulfur (15 mg/kg) and lubricity (wear scar diameter of 460 um). Three out of four samples exceeded the total sulfur specification and three out of four samples exceeded the wear scar diameter specification.

As the diesel fuel in question is being used for off-road and mining activities, the applicable total sulfur specifications are outlined in CAN/CGSB-3.6 and CAN/CGSB-3.16. All samples fall below the total sulfur concentrations outlined in those specifications. The low lubricity values could cause wear on engine components (e.g. fuel injection system) than diesel fuel with a higher lubricity value, but this can be corrected through fuel additives if deemed necessary. **As such, the diesel fuel in question is of sufficient quality for use at the Lupin Mine site**.

Regards,

Karyn Lewis

Lupin Mines Incorporated

778-386-7340

4 attachments

AnalyticalReport FL16_1199-001-2016-1.pdf
199K

AnalyticalReport FL16_1199-002-2016-1.pdf
199K

AnalyticalReport FL16_1199-003-2016-1.pdf
198K

AnalyticalReport FL16_1199-004-2016-1.pdf
199K