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Ms Sarah Horton
Compliance Delivery Manager
Industry and Development
Department of Environment and Heritage Protection
Environmental Services and Regulation
173 Hume Street
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By email: sarah.horton@ehp.qld.gov.au

Commercial in confidence

Dear Ms Horton

TEP MAN19660 – Kenya CPP Noise Barrier & December Noise Monitoring Results

I am writing to you in response to Reporting Requirement 2 of TEP MAN19660, which requires that QGC provide the results of noise monitoring and confirm whether they comply with the environmental authority conditions E7 (EPPG00878413). The results of noise monitoring completed for December 2017 are outlined herein.

Construction of the Kenya CPP noise barrier was completed on Wednesday 6 December 2017. Figure 1 attached shows a photo of the completed barrier.

In order to comply with the TEP Monitoring Requirement 2, noise monitoring was completed for a period of 1 week following completion of the barrier, between 6 and 13 December 2017. A calibrated 01dB Cube Sound Analyser was deployed in the agreed representative location in the road reserve adjacent to the Nothdurft residence (refer Figure 2 attached). Noise measurements were recorded at 15 minute intervals and included audio files to allow for post measurement analysis and identification of noise sources and noise source contribution. The equipment setup and analysis methodology was identical to EPO STAT1085 and ASK Consulting's EPO Audit report (8894R03V01) can be referred to for any additional details, including calibration certificates.

ASK Consulting have completed their preliminary audit of the noise monitoring data which confirms that noise from QGC activities, including the Kenya CPP, was fully compliant with condition E7 for the December 2017 monitoring period.

The highest level that was monitored from the Kenya CPP was assessed at 23dB(A) at the representative location on 7 December at 3:45am. Meteorological conditions at the time were light south east to south westerly winds, which are typically associated with elevated levels from the Kenya CPP (i.e. >28dBA). Further monitoring is required to quantify barrier performance, however the December monitoring results suggest that the barrier is providing a reduction in noise levels from the Kenya CPP at the Nothdurft residence.

Should you have any questions or wish to discuss, please do not hesitate to contact me on 07 3024 7311.

Yours sincerely

A handwritten signature in blue ink, appearing to read "D. Reinke". The signature is fluid and cursive, with a large initial "D" and a stylized "Reinke".

David Reinke
Environment Operations Manager
QGC Pty Limited

Figure 1 – Completed Kenya CPP noise barrier



Figure 2 – Road Reserve Noise Monitoring Location

