



Ground Motion Monitoring Requirements Update

EFFECTIVE DATE: Jan. 1, 2018

The BC Oil and Gas Commission (Commission) is updating the automatic reporting threshold for ground motion events (moving to a measurement of 0.8%g from the current 2%g).

Background

A review of ground motion monitoring data and reports of felt events indicated the majority of events were lower than the 2%g automatic reporting threshold. The primary focus of the ground motion monitoring program is to measure all felt events and inform stakeholders of the full range of ground shaking intensity. The Commission has lowered the automatic reporting threshold to 0.8%g to ensure weak ground motions are recorded within the scope of the ground motion monitoring program.

The Commission has taken a leading role in the detection and mitigation of seismicity related to hydraulic fracturing. As a result, the Commission has enhanced its regulations, expanded the regional seismographic grid in northeast B.C. and provided more information on the Commission [website](#).

Additionally, permit conditions were implemented as of June 1, 2016 to ensure the presence of ground motion monitoring during hydraulic fracturing activities within designated areas. They also require submission of a ground motion monitoring report within 30 days of completing fracturing activities.

A map showing the ground motion monitoring development areas can be found [here](#).

The Commission has issued guidance documentation for the monitoring and reporting of ground motion, which can be found [here](#).

Should you have any questions regarding this Industry Bulletin, please contact:

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