

From: [Jen Potten](#)
To: permits@mvlwb.com
Subject: FW: Equipment Addition
Date: Friday, February 22, 2013 10:14:46 AM

Please post to MV2012C0009 – Harry Winston – Reviewer comments – AANDC inspector – recommendation for LUP conditions re updated equipment list

Thanks

From: Clint Ambrose [mailto:Clint.Ambrose@aandc-aadnc.gc.ca]
Sent: February-12-13 7:18 AM
To: 'Jen Potten'
Cc: Nahum Lee
Subject: Re: Equipment Addition

Good morning Jen,

How did you know!? Well those conditions that we asked to be removed because they apply to winter roads...please include them in the permit. Below are the conditions that must be included, and on the "suspend overland travel" condition, I have added "gouging" since the skidding of a drill may not cause rutting, but gouging could definitely occur.

The Permittee shall not conduct off-road vehicle travel in areas without snow-covered surfaces.	Off-road Vehicle Travel
The Permittee shall suspend overland travel of equipment or vehicles at the first sign of rutting or gouging.	Suspend Overland Travel
The Permittee shall prepare the site in such a manner as to prevent rutting of the ground surface.	Prevention of Rutting
The Permittee shall not move any equipment or vehicles unless the ground surface is in a state capable of fully supporting the equipment or vehicles without rutting or gouging.	Vehicle Movement Freeze-up

If you have any questions or concerns Jen, please do not hesitate to contact Nahum or me.

Have a good day

Clint

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>>> "Robin Wyllie" <Robin.Wyllie@aurorageosciences.com> 2/11/2013 4:25 PM >>>
Hello Jen,

I have attached an updated equipment list for the project. The only addition is a Pisten Bully snow cat tractor used to move the Hornet RC rig prior to spring breakup, when the active layer of the permafrost is still frozen.

The weight distribution for the tractor at the treads is less than 1 pound per square inch (0.97 psi) or 6.7 kPa. By contrast an average human male on foot exerts a ground pressure of 8 psi (55.2 kPa) and a four-wheeler ATV is about 35 psi (240 kPa) at the contact between tires and terrain.

The unit will accompany the drill and have a spill kit plus absorbent pads for fuel transfer operations. It will be parked at the base camp once breakup commences.

After breakup all drill positioning will be accomplished using a helicopter.

Regards,

Robin

Robin Wyllie, P.Geol.
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