

S07C-005
S07C-006
Rev COMMENTS



Office of the Fire Marshal
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Date: 7 June. 2011	Preliminary	Formal	File # Hinterland 301-03 Plan Review #: 041 – 11
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Attn: Eagle Plains Resources Ltd & the Sahtu Land & Water Board

Copy:

Don Ayres, Asstn, Fire Marshal, Norman Wells

Arthur Lennie , Electrical Inspector, Inuvik

Project Description: NWT - Zinc Reece & Bronco Projects – Extend Land Use Permits # S07C-005, and 006 For Camps & Fuel Facilities.

Project Address: Outfitters Willowhandle Lake Camp, Hinterland, Tulita District, N.T.

Documents submitted for review; The land use permit extension applications dated May 26, 2011, were received May31, 2011.

This work shall comply with all the requirements of the 2010 National Building Code (NBC), Part 9, for fire protection in camps section 9.10.21, and the B-139-09 and B-149-10 standards and the 2010 National Fire Code, for the fuel facilities and related standards. Provide construction drawings and specs and details for these camps and the fuel facilities, with mechanical and electrical equipment and site plans as well.

Comments:

1. The application did not state the number of people at this camp but it listed the fuel with fuel storage facilities.
2. An outfitters camp at Willowhandle Lake and tents and tent frame units will be used.
3. Detailed information was not provided for this camp, so please confirm the camps are code compliant, with drawings and specs for the various facilities.
4. Provide copies of the fire alarm system, the kitchen cooking equipment and the fire extinguishers annual certification for all the life safety equipment.
5. Any tents, even storage tents, shall be fire retardant in accordance with the Fire Marshal's technical bulletin.
6. Camp buildings with more than 10 people sleeping in the building require a complete fire alarm system. Fire alarm systems are required to be certified annually.
7. Confirm that all fire safety equipment, fire extinguishers, fire separations, smoke detectors carbon monoxide alarms, fire dampers, fire alarm systems, fire doors and door closers, emergency lighting, exit signs and exiting, etc. are code compliant.
8. Commercial cooking facilities in camp buildings shall comply with NFPA 96, unless they are

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- the residential type of range.
9. The size of the bedroom windows, opening area (0.35m²), shall comply with section 9.9.10.1. of the 2010 NBC.
 10. Exit doors shall swing out in the direction of exit travel for the camps.
 11. Post fire safety, emergency evacuation plans in the camps, with the telephone numbers of the RCMP, ENR, the nearest health centre, and the local airline and the helicopter firm's telephone numbers for emergencies.
 12. Fuel fired equipment shall comply with CAN/CSA – B139 –09 the installation code for oil burning equipment.
 13. Confirm that fire safety fusible link valves are installed on all fuel fired equipment including furnaces, boilers, generators, water heaters, etc.
 14. All propane fired equipment shall comply with CAN/CSA – B149 –10, code for propane and gas installations.
 15. Fuel facilities shall be 100 meters from any water body.
 16. Fuel storage, fuel dispensing and transfer operations shall comply with the 2010 National Fire Code, parts 3 and 4. Absorbent mats and spill kits shall be provided for the fuel drum storage areas.
 17. Comply with all the requirements of the Electrical & Mechanical Inspectors in Inuvik, and the Asstn. Fire Marshal in Norman Wells.
 18. Ensure all installations comply with the 2010 National Building Code, the 2010 National Fire Code and related standards.
 19. The 2010 National Fire Code requires 2 all weather BC, fire extinguishers at fuel dispensing stations.
 20. Ensure flexible connections are installed for the tanks to deal with differential movement.
 21. As a reminder, wood cannot be used in fuel facilities for supports, wood bases, fencing, and stairs, etc.
 22. Confirm that the “No Smoking, “No cell phones”, No Trespassing” and “Turn off engine” signs are installed at fuel dispensing sites.
 23. Label the tanks and all the components in the facility.
 24. Confirm that all the emergency disconnect switches are clearly labelled.
 25. Please confirm that the entire fuel facilities and the camp facilities are code compliant.

These documents are reviewed for general compliance with the *Fire Prevention Act* and *Fire Prevention Regulations* of the Northwest Territories. Review does not constitute approval or otherwise relieve the owner from complying with all requirements. The owner, the designer and the builder are responsible for code compliance.

Bruce Stebbing, MAA, PQS.

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Office of the Fire Marshal
600 -5201 - 50 Ave.
Yellowknife, N.T., X1A 3S9

Tel: 1 - 867 - 873 -7030, Fax: 1 -867 - 873 - 0260, E mail; Bruce_Stebbing@gov.nt.ca

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