

June 24, 2014

File: **10450-55-11**

General Manager
Sakaw Askiy Management Inc.
P.O. Box 1721
PRINCE ALBERT SK S6V 5T3

To Whom It May Concern:

AQUATIC HABITAT PROTECTION PERMIT # 14/15-PAFMA-SAKAW-AHPP01

Pursuant to Section 36 of the Environmental Management and Protection Act, 2002, (EMPA), authorization is hereby granted to **Sakaw Askiy Management Inc.** or its shareholders to construct and maintain road crossings on streams identified in the Ministry of Environment approved operating plan 14/19-PAFMA-SAKAW-OP1 for the Prince Albert FMA. This authorization does not release Sakaw from obtaining other approvals that may be required under federal or provincial legislation.

This permit is issued subject to the following conditions:

General Conditions:

- 1) Work to be performed under dry or low in-stream flow conditions unless deemed as an emergency re-installation then the Area Forester must be notified as soon as possible that the work is occurring.
- 2) Area and severity of disturbance for installation and maintenance should be minimized.
- 3) The contractor(s)/operator performing the work must be given a copy of this permit to ensure that all permit conditions are met.
- 4) Any machinery working in the water must be free of external grease and oil. No machinery shall be cleaned or refuelled within 100 meters of any water body.
- 5) There will be no storage of fuel, oils, or lubricants within 100 meters of any waterbody at any anytime.
- 6) All rock used for rip rap must be free of silt / dirt and other debris.
- 7) No rock shall be removed from any stream/lake bank or bed for construction purposes.

- 8) All associated construction materials and any spilled deleterious substances (eg: petroleum products) must be immediately cleaned up and removed from each site to an approved landfill site.
- 9) All spoil materials remaining from construction or maintenance activities shall immediately be placed above the high water mark in a location where they will not be subject to erosion into any waterbody.
- 10) In-stream work with bridge crossings shall be limited to the placement of new piles only. Bridge approaches shall be stabilized with non-erodible materials.
- 11) Portable bridges shall free span the full width of the stream, with sills located on the stream's natural bank (not in water).
- 12) The Area Forester must be notified prior to commencement and completion of any in stream work (new construction or maintenance).
- 13) Forestry Officers may add conditions to this permit deemed necessary for the protection of habitat, stream banks, bed and channel that must be adhered to.
- 14) A detailed monthly report summarizing all stream crossings work (new construction and maintenance) will be submitted to the Area Forester and Fisheries Specialist within 30 days after the month in which the crossings were completed. The report shall include the following information:
 - i) name of road (or operating area)
 - ii) UTM location
 - iii) name of water course (if unnamed, state as such)
 - iv) type of crossing (include number and size of culverts)
 - v) permanency (i.e. seasonal, temporary or permanent)
 - vi) start and completion dates of work
 - vii) name of project supervisor

Crossing Maintenance Conditions:

- 15) Culverts will be inspected semi-annually (spring & fall) by proponent personnel for the duration of the crossing, to prevent blockages and washouts from occurring.
- 16) Culvert cleaning (steaming) and beaver dam and blockage removal activities may be undertaken at any time through to the expiration of this permit.

New Crossing Installation Conditions:

- 17) For all crossings the responsible shareholder must submit information respecting the fish and wildlife species, vegetative cover, landforms, soil types and water bodies that the minister considers as likely to be affected by the crossing install.
- 18) For all crossings the responsible shareholder must identify proposed measures to mitigate or prevent any potential impact of proposed installation on aquatic and riparian habitats, including erosion and sediment control plans.
- 19) All culvert crossings shall be installed under low in-stream flow conditions unless deemed as an emergency re-installation then the Area Forester must be notified as soon as possible that the work is occurring.
- 20) Fall and winter installations shall utilize non-frozen earthen fill for compaction purposes.
- 21) Culverts will be embedded to a depth of greater than 20 cm below the natural streambed elevation.
- 22) Both the inlet and outlet shall be immediately protected from erosion and/or scouring with non-erodible materials (eg: rock rip rap).
- 23) All culverts shall conform to existing stream gradients.
- 24) Snow and ice crossings will consist of clean snow and ice only. **No earthen fill or debris will be used.**
- 25) If logs are to be used in any temporary winter crossing they must be limbed and cabled together so that they can be removed once the crossing is disabled.
- 26) Temporary crossings must be removed prior to **March 31st, 2015**.

Crossing Restoration/Reclamation:

- 27) Old Culverts and construction materials shall be immediately removed from the site to an approved landfill site.
- 28) Restored sites must approximate the original width, depth and substrate of the watercourse.

- 29) All disturbed shoreland areas will be recontoured to a 2:1 or flatter natural slope and will be stabilized immediately to prevent erosion by either re-vegetating with a Ministry of Environment approved northern seed mix, using clean rock riprap, slash, ditch blocks, silt fencing, erosion control blankets or a combination of methods thereof to achieve long term erosion control.
- 30) If crossing stabilization is not successful the proponent shall continue to employ acceptable means of stabilization until banks become stable.
- 31) All fill material removed from crossing to meet conditions 17 and 18 shall immediately be placed above the high water mark in a location where they will not be subject to erosion into any waterbody.

This permit expires March 31st, 2015. If you have any questions, please call me at 953-2879.

Yours sincerely,

Signature Redacted for Privacy

Chris Brown
Area Forester – PA FMA
Forest Service