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Gwich'in Land and Water Board

SCHEDULE II

(Subsection 19(2) of Mackenzie Valley Land Use Regulations)

INFORMATION IN SUPPORT OF AN APPLICATION FOR A LAND USE PERMIT



New Application (Rengleng River Tower)



Amendment

1. Applicant's name and mailing address

NorthwesTel Inc.
301 Lambert St.
Whitehorse YT Y1A 4Y4

Fax no.

(867) 668-6285

2. Head office address

NorthwesTel Inc.
301 Lambert St.
Whitehorse YT Y1A 4Y4

Field supervisor

Glenn Bushell
Manager, Contracts and Support
NWTel Inc.

Radio telephone no.

Sat Phone: (403) 977-4567

Telephone no.

(867) 668-5385

Fax no.

(867) 668-6285

3. Other personnel (subcontractor, contractors, company, staff, etc.)

The approximate number expected to be on site is:

Tower firm = 5 people. Antenna Crew = 4 people. Engineering Geotechnical = 4 people (EBA)

Road Survey Crew = 3 people

Building Setup Crew = 4 people

Road Construction Crew = 10 people

Power/Electrical Crew = 2 people

Telecommunications Crew = 3 people

The maximum number of people onsite at any one time would be during the road construction period = 10 personnel.

4. Eligibility

(Refer to section 18 if the Mackenzie Valley Land Use Regulations.)

(a) (i)

(a) (ii)

(a) (iii)

(b) (i)

(b) (ii)

5. a) Summary of operation (describe purpose, nature and location of all activities)

(Refer to paragraph 19 (3) (b) of the Mackenzie Valley Land Use Regulations.)

Please refer to Section 1 of the attached document: Supporting Documentation NorthwesTel Microwave Tower Site kilometre 183 Dempster Highway Near Rengleng River NT (Supporting Document)

The purpose of constructing a microwave tower in the Rengleng River region is to provide a more reliable and modern public telecommunications system to the Gwich'in Settlement Area.

The proposed location for the Rengleng River tower is 67° 47' 30.00" N and 133° 46' 28.00" W, at km 183.3 on the east side of the Dempster Highway. This site is on Crown Land and NorthwesTel has a Certificate of Title (# 14913) on 2.30 ha (152 m x 152 m). To accommodate new structures on site, a lease application has been submitted to the Department of Indian Affairs and Northern Development for an additional 0.46 ha increasing the parcel size to 2.78 ha (183 m x 152 m). The total footprint of the project including the access road is 2.93 ha. As well, an application to access a public highway has been submitted to the territorial Department of Transportation.

The project would consist of extending the existing access road by 25 m to the tower site, extension of the existing tower pad, erection of a 96.0 m tower, installation of two pre-fabricated buildings to house equipment, fuel storage, and erection of a fence around the infrastructure. Power and radio equipment will be inspected every 4-6 months. Access roads will be maintained. Refueling will occur every 2-3 years.

Generators will be used to power the batteries on site.

b) Indicate if a camp is to be set up (Provide details on a separate page, if necessary.)

No camp will be required as identified in Section 1.4.1.8 of the Supporting Document.

6. Summary of potential environmental and resource impacts (describe the effects of the proposed land use operation on land, water, flora and fauna and related socio-economic impacts). (Use separate page if necessary.)

Potential impacts are found in Section 4 of the attached Supporting Document.

7. Proposed restoration plans (Use separate page if necessary).

Please refer to Section 1.4.3 the attached Supporting Document.

When the site is no longer required, all site facilities will be removed. Culverts will be removed from the access roads and all gravel surfaces will be scarified and seeded.

8. Other rights, licences or permits related to this permit application (mineral rights, timber permits, water licences, etc.)

Transport Canada Approval under General Operating and Flight Rules Standards (Transport Canada)
Application to Access Highway (Territorial Department of Transportation)
Lease Application (Indian Affairs and Northern Development)
Burn Permit (Department of Resources, Wildlife and Economic Development, GNWT)

Roads:

Is this to be a pioneered road? Yes

Has the route been laid out or ground truthed?

Access to the site will be off the Dempster Highway (Highway 8). A 100 m access road from the Dempster Highway currently exists and will need to be extended by 25 m to accommodate on site infrastructure. Gravel will be obtained from an existing quarry pit located at km 178 of the Dempster Highway. Refer to Figure 1, Appendix II in the attached Supporting Document for the road profile.

<p>9. Proposed disposal methods</p> <p>a) Garbage: Construction: All construction waste will be regularly removed from the site and deposited in the Inuvik landfill site. Food and food container wastes will be removed daily from site. Operation: No garbage will be generated during operation. During any maintenance activities, materials used will be removed from site.</p>	<p>b) Sewage (sanitary and grey water): Construction: A portable sanitary facility will be installed on site for the construction period. No grey water will be generated during construction. Operation: No sewage or grey water generated during operation</p>
<p>c) Brush and trees: Burn or salvage larger trees. Brush and trees will be cut by hand. Larger timber will be available to the community for use. Any timber remaining at the end of the construction period will be burned. Brush will be burned.</p>	<p>d) Over burden (organic soils, waste material, etc.): Geotextile to be used to minimize disruption and overburden. In areas where stripped, use as resloping material and recontour side slopes and site pad area.</p>

10. Equipment (includes, drills, pumps, etc.)
(Use separate page if necessary).

Track machine – 12,000 pounds. Foundation air track machine for pile installation.
Crane Tractor-trailer unit – 65,000 pounds. Tower and antenna supply/installation.
D6 – 125 Hp, 39,700 pounds – Skid buildings and tank facilities to site and for road and site pad construction activities.
D8 – 305 Hp, 81,634 pounds – Skid buildings and tank facilities to site
D7 – 230 Hp, 54,600 pounds – Road and site pad construction activities
Grader G720 – 34,000 pounds – Road and site pad construction activities
Packer Vibrator – 13,860 pounds – Road and site pad construction activities
3 ¼ Tonne Pickups – 5,500 pounds/unit – Daily crew access
Drill Unit: Track machine – 7,500 pounds – Engineering design and geotechnical investigation.

Type and Number		Size	Proposed Use
See Above			
11. Fuels	No. of Containers	Capacity of Containers	Location
Diesel	2 EnviroTanks	13, 834 litres	Within the fenced area of the site. Refer to Figure II-4, Appendix II of the attached Supporting Document.

**12. Containment fuel spill contingency plans.
(Attach separate contingency plan if necessary.)**

Contract will be awarded in June 2003 for construction. Spill contingency plan for the construction phase will be a requirement of the successful bidder.

ATCO FRONTEC is NorthwesTel's contractor during operation. Spill Contingency Plan is found in Appendix III of attached document: Supporting Documentation NorthwesTel Microwave Tower Site kilometre 183.3 Dempster Highway Near Rengleng River, NT.

13. Methods of fuel transfer (to other tanks, vehicles, etc.)

All site tanks have top feeds and are pumped systems

Construction – Pumped from fuel truck

Operation – Pumped from fuel truck

14. Period of operation (includes time to cover all phases of project work applied for, including restoration.)

2003 onwards. Application for a 30 year lease has been made to the federal department of Indian Affairs and Northern Development. Intend to renew lease upon expiry.

15. Period of permit (up to five years, with maximum of two years of extension)

Start Date: 2003

Completion Date: 2008

16. Location of activities by map co-ordinates (attach maps and sketches)

Appendix I in supporting documentation shows location in topographical format.

Minimum latitude (degree, minute)

67-47-30N

Maximum latitude (degree, minute)

67-47-30N

Minimum longitude (degree, minute)

133-46-28W

Maximum longitude (degree, minute)

133-46-28W

Map sheet no.

106 N/13 (1:50 000)

17. Applicant: **Glenn Bushell**
(Print name in full)

Signature Glenn Bushell

Date April 4/2003

18. Fees



Type A - \$150.00



Type B - \$150.00

Land Use Fees: \$150.00

1 Hectare @ \$50.00/hectare = \$100.00

Assignment Fee: \$0.00

Total = \$200.00