2005-0708-0

GARY SLAIGHT
PRESIDENT AND
CHIEF EXECUTIVE
OFFICER

PAP

June 13, 2005

Original by Courier

Ms Diane Rhéaume
Secretary General
Canadian Radio-television and
Telecommunications Commission
Ottawa, Ontario
K1A 1N2

Re: Standard Radio Inc. Change in Facilities CFBR-FM Edmonton, Alberta

Dear Ms Rhéaume,

This letter is an application by Standard Radio Inc. for a change of facilities for CFBR-FM Edmonton, Alberta. Please find enclosed the related documents and a copy of the NAV Canada most recent correspondence on this application.

Yours truly,

GS:jsh
encl.

gary.slaight@standardradio.com

Gord Henke

From: Vowles, Steve [VowlesS@navcanada.ca]
Sent: June 10, 2005 3:45 PM
To: Dexter, John (IC - FM Bcst)
Cc: Henke, Gord; Lechner, Sid; Huot, Jean-Pierre
Subject: Revised response to FM proposal for Edmonton

3072-3848 recheck.pdf (27 KB)

John:

At Gord Henke's request we have been reviewing his proposal for moving CFBR-FM, 100.3, in Edmonton. Due to some quirks in the software, some new information about the affected localizer and a few other things, we are revising our response to "Acceptable" for this proposal. The summary form is attached.

This proposal is just marginally acceptable, so I have added a few extra conditions to the response. It is important that this one proceed by the book in case any problems do arise, although I am pretty confident that none will. For example, it will be important to have a reliable 24/7 contact for the broadcaster who can turn off the transmitter if things do go badly.

Gord pointed out that several other stations are planning to move at the same time. If possible it would be best to review all of these simultaneously once they are in the database to ensure that there are no other interactions. I believe the moves are all interdependent.

Steve Vowles
EMC Specialist - Spectrum Management
NAV CANADA
280 Hunt Club Rd., P.O. Box 9825 Stn. T, Ottawa, ON. K1G 6R3
TEL: (613) 248-6862 FAX: (613) 248-6802 mailto:vowless@navcanada.ca <<3072-3848 recheck.pdf>>

FM/NAV/COM EMC ANALYSIS FOR FM BROADCASTING APPLICATIONS

1. DESCRIPTION

City	Edmonton	Province	AB
Frequency	100.3 MHz	Call Sign	CFBR-FM(1)
Class	C	ERP	100000 Watts
Latitude	53° 27' 49.0" N	Longitude	113° 20' 7.0" W
Ground Elevation	733 m AMSL	Antenna RCAMSL	915.9 m AMSL
Antenna Bays	Assumed 5 Actual N\A	Beam Tilt	0.6 deg
Directional Antenna	No (If "Yes" attach antenna pattern plot)	Status Code	UC

2. PURPOSE OF ANALYSIS

- [x] New Station
- [ ] Test Case
- [ ] Parameter change at existing site :
  - [ ] Frequency
  - [ ] ERP
  - [ ] Antenna Height
  - [ ] Radiation Pattern
  - [ ] Relocation
- [ ] Temporary

3. SUMMARY OF ANALYSIS

	(Num.)	(Remarks)
A1 (Radiated IMP)	1	
A2 (High-Band)	0	
B1 (RX IMP)		
LOC -	4	
VOR -	0	
COM -	0	
B2 (RX Desens.):		
LOC -	0	
VOR -	0	
COM -	28	

4. Comments :

5. Prepared By : S. Vowles DSC-E(FM) Date : 2005-06-03

- [ ] Analysis by IC has revealed no predicted EMI to any NAV/COM facility. As per NC/IC agreement, IC imposes the following conditions and comments on behalf of NC :

Standard Conditions :

1. Off-air spurious emission measurements in 108 MHz - 137 MHz band required at start of on-air testing.
2. There shall be no increase in existing spurious emission levels.
3. NAV CANADA Regional Office to be advised at least 2 weeks prior to commencing broadcasting.

Other Conditions :

4. "Potential EMI to Aeronautical Facilities" clause required on certificate. **YES**
5. Monitoring program with ATS to be established prior to on-air testing (NAV CANADA requires at least 2 weeks notice). **YES**
6. Listening checks on airport receivers required for possible spurious emission interference on frequency(ies) _____ A/P NAV/COM. **NO**

7. **This proposal is Acceptable.** (Acceptance is valid for not more than 1 year).

8. Comments :

- This proposal has been assessed as ACCEPTABLE subject to the conditions above and the following:
- NAV CANADA recommends that licensing approval be conditional, subject to one year of monitoring by ATC for interference effects involving this station, and satisfactory resolution of any such interference.
- Careful attention should be given to the slight possibility of B1 interference on 109.5 MHz.
- NAV CANADA suggests that all proposed changes to FM station locations and parameters in the Edmonton area be considered simultaneously to account for changing interactions among those stations.
- Potential A1-type spurious emissions have been predicted on or near 109.5 MHz.

- NAV CANADA contact to coordinate testing or start of broadcasting is Sid Lechner, tel. (780) 413-5480, e-mail: LechnS@navcanada.ca

9. Prepared By : S. A. Vowles
NAV CANADA, Flight Inspection & Radio Communications Engineering
Date : 2005-06-10

Canadian Radio-television and Telecommunications Commission | Conseil de la radiodiffusion et des télécommunications canadiennes

Canada

Application for a Technical Amendment to a Broadcasting Licence for an Analog Radio Programming Undertaking

CRTC PM 3:00 19JAN'05

For Commission's use

Application number

Canadian Radio-television and Telecommunications Commission

Application for a Technical Amendment to a Broadcasting Licence for an Analog Radio Programming Undertaking

1. GENERAL INFORMATION

LOCATION OF UNDERTAKING: Edmonton Alberta

CRTC PM 1:28 14JUN'05

CALL SIGN: CFBR-FM

1.1 IDENTIFICATION OF LICENSEE

NAME:Standard Radio Inc.
ADDRESS: 2 St. Clair Ave. West Toronto On. M4V 1N6
FAX: 416-922-9999
E-MAIL: gary.slaight@standardradio.com

CONTACT PERSON REPRESENTING THE LICENSEE
(if there is no appointed agent under question 1.2)

NAME: Gary Slaight
TITLE: President and CEO
TELEPHONE: 416-922-9999

Please indicate the E-Mail address and FAX number that should be specified in a

Public Notice.

FAX: 416-922-9999
E-MAIL: gary.slaight@standardradio.com

1.2 APPOINTMENT OF AGENT

I, _____, the licensee, hereby appoint _____ as my agent for and on my behalf and in my name to sign, file and complete (if necessary) an application with the Canadian Radio-television and Telecommunications Commission and to sign and file a reply with respect thereto and I do hereby ratify, confirm, and adopt as my own act, such application and all replies made thereto.

Date:
At:
Signature:
ADDRESS OF AGENT:
TITLE:
TELEPHONE:
FAX:
E-MAIL:

1.3 DECLARATION OF LICENSEE OR ITS APPOINTED AGENT

I, _____ SOLEMNLY DECLARE THAT:

a) I am the _____ (representative/appointed agent) of the licensee named in this Application Brief and as such have knowledge of all matters declared therein.

b) The statements made in this application, or any document filed pursuant to any request for further information by the Commission, are (will be) to the best of my knowledge and belief true in all respects.

c) The opinions and estimates given in this application, or any document filed pursuant to any request for further information by the Commission, are (will be) based on facts as known to me.

d) I have examined the provisions of the *Broadcasting Act* and the broadcasting regulations relevant to this application.

AND I HAVE SIGNED Gary Slaight

Signature:

Date:

WITNESSED BY Chris Grossman

Signature:

Name (Printed):

Date: Inactive June 13/05

At: Toronto ont.

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1.4 EXAMINATION BY THE PUBLIC

Indicate a location, within the area to be served, where the application may be examined by the general public. If several transmitters form part of your application, indicate a location within each area to be served.

ADDRESS(ES): 100-18520 Stony Plain Road Edmonton Alberta T5S 2E2

2. TECHNICAL INFORMATION

Licensees are advised to consult with their broadcast engineering consultants when completing this section, to ensure that it is consistent with the Engineering Brief submitted to Industry Canada.

2.1 a) Have all required technical documents been filed with Industry Canada?

YES (x) NO ( )

b) I hereby authorize the Commission to include as part of this application any documents or correspondence filed with Industry Canada with respect to this application.

YES (x) NO ( )

If NO, explain.

2.2 Please provide the following technical information:

3.2 Provide the following information regarding capital costs and facilities:

	Costs of Assets to be purchased ($)	Value of Assets to be leased ($)	Annual lease payment ($)
Studio Plant			
Transmitting Plant			
Contingency			

2. TECHNICAL INFORMATION

Licensees are advised to consult with their broadcast engineering consultants when completing this section, to ensure that it is consistent with the Engineering Brief submitted to Industry Canada.

2.1 a) Have all required technical documents been filed with Industry Canada?

YES ( ) NO ( )

b) I hereby authorize the Commission to include as part of this application any documents or correspondence filed with Industry Canada with respect to this application.

YES ( ) NO ( )

If NO, explain.

2.2 Please provide the following technical information:

	PRESENT OPERATION	PROPOSED OPERATION	NOTE
Frequency	100.3 MHz	100.3 MHz	kHz for AM MHz for FM
Channel and Class	262C	262C	
Transmitter Power (for **AM**)	Watts	Watts	
MAXIMUM - ERP (for **FM**) (at beam-tilt angle)	100,000 Watts	100,000 Watts	**ERP** = Effective radiated power If no beam-tilt is used, provide ERP in horizontal plane
AVERAGE - ERP (for **FM**) (at beam-tilt angle)	100,000 Watts	100,000 Watts	**ERP** = Effective radiated power If no beam-tilt is used, provide ERP in horizontal plane
EHAAT -Effective Height Above Average Terrain	144.0 metres	200.3 metres	FM only
Antenna and Transmitter Site Coordinates	53° 23' 06" N. 113° 12' 48" W.	53° 27' 49" N. 113° 20' 07" W.	North Latitude West Longitude
Studio Location(s)	Edmonton	Edmonton	City and, where possible street address
Subsidiary Communications (SCMO)/Subsidiary Data	YES ( ) NO (X)	YES ( ) NO (X)	
Programming Feed Method(s)	STL	STL	Satellite, microwave, fibre optic cable, other (specify)
For Rebroadcasting Stations, identify station rebroadcast	–	–	Call Letters Frequency Location

4. MARKETING

This section is applicable if the proposed technical amendment results in an INCREASED COVERAGE AREA.

4.1 As a basis for revenue calculations, please specify the following:

AVERAGE NUMBER OF COMMERCIAL MINUTES EXPECTED TO BE SOLD PER HOUR IN:	
1st YEAR:	
5th YEAR:	
ESTIMATED TOTAL WEEKLY REACH 1st YEAR, PEOPLE 12 YEARS +	
IN CENTRAL AREA:	
IN FULL COVERAGE AREA:	
ESTIMATED AVERAGE 1/4 HOUR RATINGS, CENTRAL AREA, MON - FRI, 1st YEAR (% Audience)	
06:00 - 10:00	
10:00 - 14:00	
14:00 - 19:00	
19:00 - 24:00	

4.2 Provide quantitative estimates of the population within the service contours, as well as an estimate of the population within the area to which the station's principal marketing activities are/will be directed:

	3 mV/m CONTOUR (FM) 15 mV/m CONTOUR (AM)	0.5 mV/m CONTOUR (FM) 5 mV/m CONTOUR (AM)	PRINCIPAL MARKETING AREA
Population: Present	811,464	980,341	811,464
Population: Proposed	905,124	1,005,530	905,124
Households: Present	325,970	388,068	325,970
Households: Proposed	356,859	400,312	356,859

4.3 Please identify the sources from which population data has been obtained.
"Profile of Census Divisions and Subdivisions in Alberta - 2001" published by Statistics Canada

4.4 Indicate to which of the communities the station's principal marketing activities will be directed.

TOTAL			

3.3 Specify the funds available to finance the proposed transaction:

Equity:

Debt:

Total:

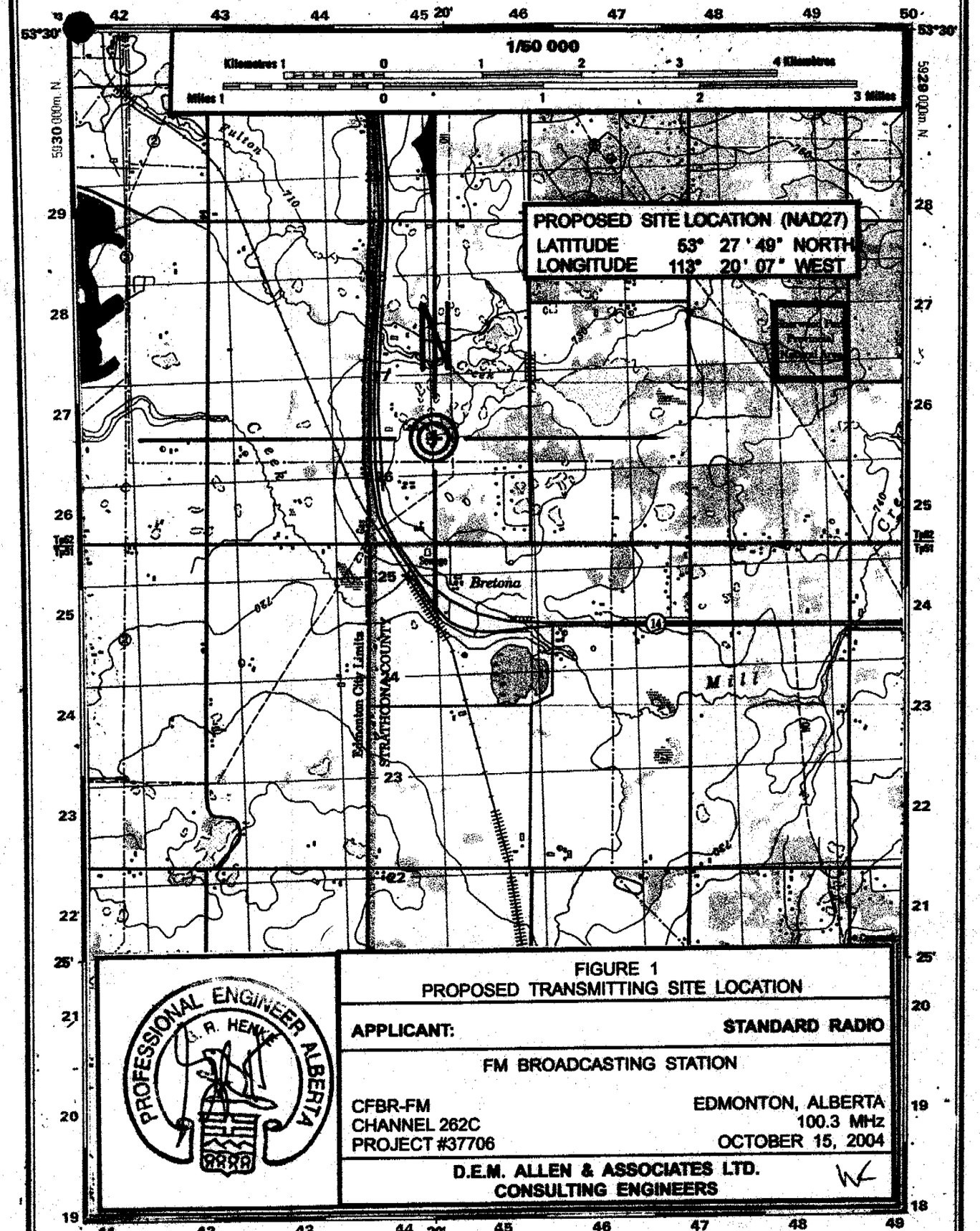
3.4 a) Specify the individual sources of financing for the funds identified in question 3.3 (for example, Bank loans, share capital, other loans).

SOURCE	$

b) Where financing is to be provided, in whole or in part, through debt securities, provide the list of proposed debt holders, including names, citizenship or jurisdiction of incorporation (or other form of constitution), designation and description of debt securities held, and the principal amount of each one.

BOOK OF SUPPORTING DOCUMENTS

APPENDIX NUMBER AND NAME		APPENDED (Yes or No)	E-FILED (Yes or No)
SECTION 1: GENERAL INFORMATION			
1A	Supplementary Brief		
SECTION 2: TECHNICAL INFORMATION			
2A	Maps - Proposed Coverage Contours		
2B	Documentation Supporting the Availability of the Proposed Transmitter Site(s)		
SECTION 3: FINANCIAL OPERATIONS			
3A	Documentation Supporting Availability of each Source of Financing		



PROFESSIONAL ENGINEER ALBERTA
G. R. HENKE

FIGURE 1
PROPOSED TRANSMITTING SITE LOCATION

APPLICANT: **STANDARD RADIO**

FM BROADCASTING STATION

CFBR-FM
CHANNEL 262C
PROJECT #37706

EDMONTON, ALBERTA
100.3 MHz
OCTOBER 15, 2004

D.E.M. ALLEN & ASSOCIATES LTD.
CONSULTING ENGINEERS

1 : 1 000 000

PROPOSED SITE LOCATION (NAD27)
LATITUDE 53° 27 ' 49" NORTH
LONGITUDE 113° 20 ' 07" WEST

0.5 mV/m

3 mV/m

EXISTING SITE LOCATION (NAD27)
LATITUDE 53° 23 ' 06" NORTH
LONGITUDE 113° 12 ' 48" WEST

EXISTING
PROPOSED

PROJECT #37706
OCTOBER 15, 2004

PROFESSIONAL ENGINEER ALBERTA
G. R. HENKE

FIGURE 17
COMPARATIVE CONTOURS - EXISTING FM & PROPOSED FM

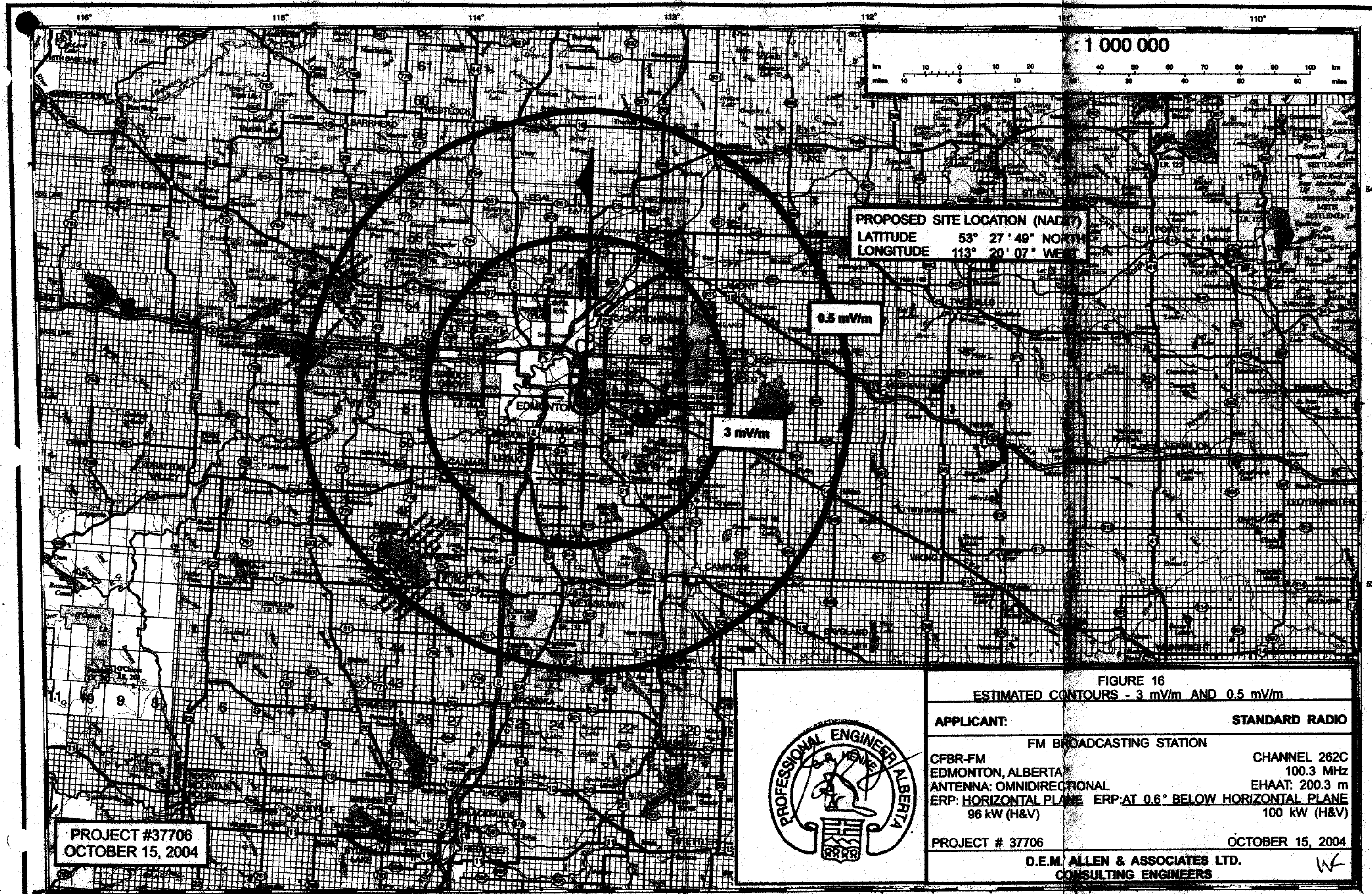
APPLICANT: STANDARD RADIO

FM BROADCASTING STATION

CFBR-FM — CHANNEL 262C
EDMONTON, ALBERTA — 100.3 MHz
ANTENNA: OMNIDIRECTIONAL — EHAAT: 200.3 m
ERP: HORIZONTAL PLANE 96 kW (H&V) — ERP: AT 0.6° BELOW HORIZONTAL PLANE 100 kW (H&V)

PROJECT # 37706 — OCTOBER 15, 2004

D.E.M. ALLEN & ASSOCIATES LTD.
CONSULTING ENGINEERS



PROFESSIONAL ENGINEER ALBERTA

FIGURE 16
ESTIMATED CONTOURS - 3 mV/m AND 0.5 mV/m

APPLICANT: **STANDARD RADIO**

FM BROADCASTING STATION

CFBR-FM — CHANNEL 262C
EDMONTON, ALBERTA — 100.3 MHz
ANTENNA: OMNIDIRECTIONAL — EHAAT: 200.3 m
ERP: HORIZONTAL PLANE 96 kW (H&V) — ERP: AT 0.6° BELOW HORIZONTAL PLANE 100 kW (H&V)

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