

Appendix K:

Permit Applications or Approvals

Navigation Canada Application

Transport Canada Application

DND Correspondence

Met Tower Building Permit

Navigation Canada Approval – Location A

Transport Canada Approval – Location A



Land Use Proposal Submission Form

Date Received by NAV CANADA	NC file N° / Ref N°	TC FileN° / Ref N°
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General Information:

Proponent Name: Natural Forces Wind Inc.			Contact Person: Katherine Dorey		
Address: 1205 - 1801 Hollis Street			City: Halifax		Prov: NS
Postal Code: B3J 3N4	Tel: (902) 422-9663	Fax:	Email: kdorey@naturalforces.ca		
Consultant or Contractor:			Contact Person:		
Address:			City:		Prov: NS
Postal Code:	Tel:	Fax:	Email:		
Land Use Authority :			Contact Person:		
Address:			City:		Prov: NB
Postal Code:	Tel:	Fax:	Email:		

Details of Proposal:

Project/Site Name/Number: Richibucto				Nearest town: Village of Rexton		
New Structure? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Height added: 672.5 ft	205 m	Total Height: 695.5 ft	212 m		
Coordinates of Site: 46 °	39 ‘	46.2 “ N (Lat)	64 °	53 ‘	31.8 “ W (Long)	
For Linear Group of Structures (include start/end coordinates)	From: °	‘	“ N (Lat)	°	‘	“ W (Long)
	To: °	‘	“ N (Lat)	°	‘	“ W (Long)
Geodetic Datum: <input type="checkbox"/> NAD27 <input checked="" type="checkbox"/> NAD83 <input type="checkbox"/> WGS84	Ground Elevation (above mean sea level)			23 ft	7 m	
Type of Structure: Enercon E141 Wind Turbine	Structure Height (above ground level)			672.5 ft	205 m	
Dimensions:	Total Height (above mean sea level)			695.5 ft	212 m	
Materials: Concrete plus steel tower and epoxy resin blades.	Roof (Shape & Materials): N/A					
Proposed Construction Start Date: May 2018			Approximate Duration of Construction: 6 months			
If Temporary Structure	Start Date: May 2018	End Date: May 2048	From: hrs	To: hrs		

Comments:
One large scale wind turbine with 135m hub height and 141m rotor diameter.

Electronic / Telecommunication Interference - Check the following items which may cause interference and provide details

High voltage equipment	<input type="checkbox"/> Details
Arc welding	<input type="checkbox"/> Details
Radar emission	<input type="checkbox"/> Details
High powered transmissions	<input type="checkbox"/> Details
VHF radio	<input type="checkbox"/> Details
Other	<input type="checkbox"/> Details

A: Proposals for structures not adjacent to an airport (more than 6 km from centre-point of airport)**Drawings (Where applicable include lot lines and North arrow)**

- 4 copies of a 1:50,000 topographical map section with the location of the proposed structure clearly marked
- 4 copies of legal survey (if available)

B: All Proposals on or adjacent to an airport (6 km or less from centre-point of airport)**Drawings (where possible include lot lines and North arrow)**

- 4 copies of a 1:50,000 topographical map section with the location of the proposed structure clearly marked
- 4 site plans depicting entire airport and location of proposed structures and excavations/trenching
- 4 site plans at 1:2000 with (90°) distances to nearest runway centre line/centre line extension, taxiway, and distance to nearest runway threshold
- 4 site plans at 1:2000 indicating the location of all proposed trenching/excavations (including depths)

Airport Manager:

Tel:

Fax:

E-mail:

Details of Trenching/Excavation :

C: On airport with NAV CANADA Control Tower, FSS, CARS**Obstruction to Vision:**

Check the items which may cause obstructions to vision to the NAV CANADA installation:

Line of Sight DetailsGeneration of Smoke/Vapour DetailsReflectivity DetailsAircraft Parking DetailsExterior Lighting Details**Drawings:(in addition to drawings specified in Section B above)**

- 4 plot plans at 1:500 showing orientation of structures including vehicle and aircraft entry/exit points
- 4 line of sight drawings showing plan view from Tower/FSS/CARS to runways and taxiways
- 4 line of sight cross section view from TWR/FSS/CARS to runways/taxiways & identifying possible obstructions

Applicant/Representative Signature

Print Name

Date

Katherine Dorey

Katherine Dorey

July 19, 2017

USE AND INSTRUCTIONS

- This form should be used to obtain NAV CANADA comments on land use and/or construction proposals
 - at or adjacent to airports:
 - with which NAV CANADA has a formal agreement;
 - which are specifically served by NAV CANADA navigational or telecommunication facilities;
 - at which there is an operating NAV CANADA control tower and/or flight service station (FSS);
 - at which there is an operating Aviation Weather Observation Site (AWOS);
 - at which there is an operating Community Aerodrome Radio Station (CARS); or
 - which are served by an instrument approach procedure; and,
 - for all other proposals, which may have an impact on the provision of NAV CANADA Air Navigation System, facilities and services located off-airport (e.g. towers affecting Instrument Approach Procedures, land use adjacent to a navigation aid, etc.)
- NAV CANADA non-objection of land use proposals and construction proposals neither constitutes nor replaces any approvals or permits required by Transport Canada, other Federal Government Departments, Provincial or Municipal land use authorities, or any agency from which any approval is required.
- Completed applications and supporting documents should be mailed to the appropriate NAV CANADA regional office below:
(The demarcation line between Eastern and Western regions of NAV CANADA runs north from the US border along 88° West Longitude to 60° North Latitude, then east to 80° West Longitude and then north to 74° North Latitude.)

Western Region:	General Manager Airport Operations (GMAO), NAV CANADA, 1601 Tom Roberts, P.O. Box 9824, Station T, Ottawa, ON K1G 6R2, Attention: Land Use Office – West Tel: (613) 248-4074 Fax: (613) 248-4094
Eastern Region:	General Manager Airport Operations (GMAO), NAV CANADA, 1601 Tom Roberts, P.O. Box 9824, Station T, Ottawa, ON K1G 6R2, Attention: Land Use Office - East Tel: (613) 248-4121 Fax: (613) 248-4094



Transport Canada number
Applicant number

AERONAUTICAL ASSESSMENT FORM FOR OBSTRUCTION EVALUATION

SECTION 1

Owner's Name Natural Forces Wind Inc		Contact Person Katherine Dorey	
Address 1205 - 1801 Hollis Street			
City Halifax		Province NS	Postal Code B3J 3N4
Telephone number (999-999-9999) 902-422-9663	Fax number (999-999-9999)	Email Address kdorey@naturalforces.ca	

SECTION 2

Applicant's Name Natural Forces Wind Inc		Contact Person Katherine Dorey	
Address 1205 - 1801 Hollis Street			
City Halifax		Province NS	Postal Code B3J 3N4
Telephone number (999-999-9999) 902-422-9663	Fax number (999-999-9999)	Email Address kdorey@naturalforces.ca	

SECTION 3

Description of Proposal (or as attached)
To construct one large scale wind turbines with 135m hub height and 141m rotor diameter. The tower is made of a combination of steel and concrete and the blades are made of fiberglass.

SECTION 4

Geographic Coordinates NAD83 NAD27 WGS84

For multiple structures in a grouping, submit geographical coordinates on a separate spreadsheet (e.g. windfarms, transmission lines)

N Latitude deg 46 min 39 sec 46.20
W Latitude deg 64 min 53 sec 31.8

SECTION 5

Nearest Community Rexton	Province NB
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SECTION 6

Nearest Aerodrome
Bouctouche Airport

SECTION 7

Have you contacted the aerodrome?
 Yes No

SECTION 8

Notice of
 New Construction Change to existing structure

SECTION 9

Duration
 Permanent Temporary

Transport Canada number

SECTION 10

Proposed Construction Date Beginning (yyyy-mm-dd)
2018-05-01

SECTION 11

Temporary Structure
From date (yyyy-mm-dd) 2018-05-01 To date (yyyy-mm-dd) 2048-05-01

SECTION 12

Marking and Lighting Proposed (refer to Standard 621)
Red lights and paint, Red and M.I. white lights, White M.I. lights, Red and H.I. white lights, White H.I. lights, No painting, No lighting, Paint marking only, Other (provide description)

SECTION 13

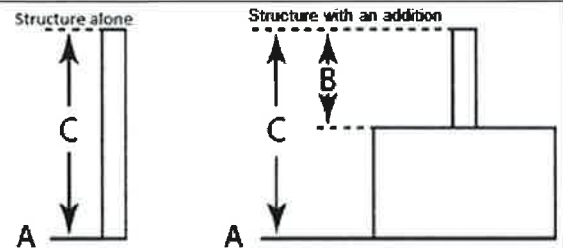
Monitoring to Standard 621, article 4.7
Visual Inspection, Remote indicator

SECTION 14

Catenary/Cable Crossing
Paint supporting structures, Cable marker spheres, Shore markers, Support structure lighting, Cable marker lights

SECTION 15

Table with 3 columns: Description, Feet, Metres. Rows include Ground Elevation (AMSL), Height of an addition to a structure, Total structure height including B (AGL), Overall height (A plus C) (AMSL).



SECTION 16

Does the proposal comply with Airport Zoning Regulations?
Where the location of the object is on lands affected by Airport Zoning Regulations, a legal survey is required with the submittal.

I hereby certify that all the above statements made by me are true, complete and correct to the best of my knowledge. Also, I agree to mark and/or light and maintain the structure with established marking and lighting standards as necessary.

Katherine Dorey

Name of person filing notice

Handwritten signature of Katherine Dorey

Signature

2017-07-19

Date (yyyy-mm-dd)

TRANSPORT CANADA ASSESSMENT

Marking and lighting required (as per Standard 621)
Lighting Required, Marking Required, Temporary Lighting Required, No Lighting or marking required

Comments (Transport Canada use Only)

Completion of this form does not constitute authorization for construction nor replace other approvals or permits. See instruction D and E.

Civil Aviation Inspector, Signature, Date (yyyy-mm-dd)

Note 1: This assessment expires 18 months from the date of assessment unless extended, revised, or terminated by the issuing office.
Note 2: If there is a change to the intended installation, a new submittal is required.

USE AND INSTRUCTIONS FOR COMPLETING FORM

- A. Purpose of Form: The purpose of this form is to assess the need and application of marking and lighting for objects that may pose a hazard to aviation and to determine conformance to ***Airport Zoning Regulations***.
- B. When to Complete the Form: Completed forms, electronic or paper, are submitted at least 90 days prior to all alterations which increase the structure's height; or for proposed new structures if:
- (i) of such a height as to penetrate an airport obstacle limitation surface specified in the *Aerodrome Standards and Recommended Practices Manual – TP312*;
 - (ii) within 6 km of the centre of an aerodrome;
 - (iii) higher than 90 m AGL within 3.7 km of the centreline of a recognized VFR route such as, but not limited to, a valley, a railroad, a transmission line, a pipeline, a river or a highway;
 - (iv) higher than 150 m AGL at any other location; or
 - (v) a component of a catenary wire crossing where any portion of the wires or supporting structures exceed 90 m AGL;
- C. Supporting Data and Documents
- (i) a 1:50,000 scale map, or the most detailed map available showing ground contour elevations to allow determination of the structure's latitude and longitude.
 - (ii) sketches, plans or blueprints for structures other than radio or TV antennae.
- D. This form does not constitute authority for construction.
- E. This form neither constitutes nor replaces any approvals, permits or assessments required by NAV CANADA, Industry Canada, other Federal Government departments, Provincial or Municipal land use authorities or any other agency from which approval/assessment is required.
- F. Completed applications are to be forwarded to the applicable Transport Regional office listed in Appendix A.
- G. A separate application is to be submitted to NAV CANADA. For a detailed description on NAV CANADA's requirements and additional information, refer to the NAV CANADA Land Use Proposal website at www.navcanada.ca
- H. If the proposed construction does not take place, notification is sent to Transport Canada.

Abbreviations

AMSL	Above Mean Sea Level
AGL	Above Ground Level
M.I.	Medium Intensity
H.I.	High Intensity
VFR	Visual Flight Rule

**USE AND INSTRUCTIONS FOR COMPLETING FORM
(continued)**

Section 1 – The Owner of the structure who is responsible for installation of marking and lighting. Include name, address and phone number of a personal contact point as well as the company name.

Section 2 – The Owner's representative who is making application, if other than Section 1 Include name, address and phone number of a personal contact point as well as the company name.

Section 3 – Provide a narrative description of the proposal

- (a) – MANDATORY - Indicate the type of structure. (e.g. antenna, crane, building, power line, landfill, water tank, wind farm, moored balloon, kite, catenary/cable crossing, etc.)
- (b) – For overhead wires or transmission lines, include size and configuration of wires and their supporting structures (Attach depiction).
- (c) – For each pole/support, include coordinates, site elevation, and structure height above ground level or water. For buildings, include site orientation, coordinates of each corner, dimensions, and construction materials. For alterations, explain the alteration thoroughly.
- (d) – For a proposed wind farm, include a spreadsheet with Turbine ID, geographic coordinates (in minutes, degrees and seconds), height above ground, and ground elevation.
- (e) – For existing structures, thoroughly explain the reason for notifying Transport Canada (e.g. corrections, no record on file with Transport Canada or previous study, etc.).
- (f) – For Catenary crossings, the geographic coordinates for all pertinent support structures are provided along with heights AMSL and AGL including the height of wires above ground or water level.
- (g) – If available, attach a copy of a documented site survey with the surveyor's certification stating the amount of vertical and horizontal accuracy in feet.
- (h) - Description of surrounding environment and structures. Provide photographs of the area of intended installation.

Section 4 – Latitude and longitude must be geographic coordinates, to within the nearest second or to the nearest hundredth of a second if known. For accuracy of the measurement refer to the International Civil Aviation Organization (ICAO) Annex 15 *Aeronautical Information Services*. For multiple structures in a grouping, submit geographical coordinates on a separate spreadsheet (e.g. windfarms, transmission lines)

Section 5 – Enter the name of the nearest community, city or town to the site. If the structure is or will be in a community, enter the name of that community.

Section 6 – Enter the name of the nearest aerodrome.

Section 7 – It is recommended that the nearest aerodrome be contacted to resolve any difficulties that the installation may pose to aerodrome operations.

Section 8 – (a) – New Construction would be a structure that has not yet been built.

- (b) – Alteration is a change to an existing structure such as the addition of a top mounted antenna, a change to the marking and lighting, a change to power and/or frequency, or a change to the height. The nature of the alteration is included in Section 3 "Description of Proposal".
- (c) – Existing would be a correction to the latitude and/or longitude, a correction to the height, or if filing on an existing structure which has not been assessed. The reason for the notice is included in Section 3 "Description of Proposal".

Section 9 – A temporary structure would be such as a crane or drilling derrick.

Section 10 – Enter the date for the start of construction.

Section 11 – Enter the time period during which the temporary structure will be in place.

Section 12 – Refer to Standard 621 for requirements of marking and various lighting systems.

Section 13 – Indicate the means that will be used to monitor the status of the lighting and identify the occurrence of a failure.

Section 14 – Indicate the form of marking and lighting that is proposed for the catenary crossing.

Section 15 – **A** – Enter the ground elevation AMSL expressed in metres and feet. This data should match the ground contour elevations for site depiction submitted under Section 3.

B – Enter the height of the object if it is an addition to an existing structure. The height will determine the need for lighting of this object and may affect the heights of intermediate levels of lighting on the structure.

C – Enter the total structure height AGL in metres and feet. The total structure height includes anything mounted on top of the structure, such as antennae, obstruction lights, lightning rods, etc, in addition to the structure itself.

Enter the overall height AMSL. This will be the total of **A** plus **C**.

Section 16 – The survey done by a licensed surveyor attests the conformance of the object height to airport zoning surfaces for the given location.

Katherine Dorey

From: Katherine Dorey
Sent: Monday, October 30, 2017 3:19 PM
To: 'MARIO.LAVOIE2@forces.gc.ca'
Subject: Proposed Richibucto Wind Farm

Hello,

Natural Forces would like to notify DND of the slightly new proposed location for the Richibucto Wind Project. The location has changed from 46 39' 46.20" N 64 53' 31.80" W to 30m southeast of that at 46°39'45.51"N 64°53'30.88"W. The project will consist of one large scale wind turbine generator with a maximum total height of 205m.

Please let us know the outcome of your assessment, or if you require additional information.

Thank you,
Katherine

From: Katherine Dorey
Sent: Wednesday, July 19, 2017 9:40 AM
To: 'MARIO.LAVOIE2@forces.gc.ca' <MARIO.LAVOIE2@forces.gc.ca>
Cc: Chris Veinot <cveinot@naturalforces.ca>
Subject: RE: Proposed Richibucto Wind Farm

Hello,

Natural Forces would like to notify DND of the new proposed location for the Richibucto Wind Project. The location has changed from 46 39' 28.49" N 64 53' 36.25" W to just north of that at 46 39' 46.20" N 64 53' 31.80" W. The project will consist of one large scale wind turbine generator with a maximum total height of 205m.

Please let me know if you require additional information.

Thank you,
Katherine

From: Katherine Dorey
Sent: Thursday, March 2, 2017 3:13 PM
To: 'MARIO.LAVOIE2@forces.gc.ca' <MARIO.LAVOIE2@forces.gc.ca>
Subject: RE: Proposed Richibucto Wind Farm

Hi,

The Richibucto Wind Farm is proposed at 46° 39' 28.50" N and 64° 53' 36.26"W.

Katherine

From: MARIO.LAVOIE2@forces.gc.ca [<mailto:MARIO.LAVOIE2@forces.gc.ca>]
Sent: Thursday, March 2, 2017 3:10 PM
To: Katherine Dorey <kdorey@naturalforces.ca>

Cc: +WindTurbines@forces.gc.ca

Subject: RE: Proposed Richibucto Wind Farm

Hello,

Can you give us the location in a Lat/long format for this wind tower ?

Mario Lavoie

DND Frequency Spectrum Management

Spectrum Engineering

DND FSM Engr 2

Work: 343-291-3822

Cell: 613-697-7925

mario.lavoie2@forces.gc.ca

From: Katherine Dorey [<mailto:kdorey@naturalforces.ca>]

Sent: March-02-17 1:56 PM

To: Lavoie MJ@ADM(IM) D Strat CS@Ottawa-Hull

Cc: Chris Veinot

Subject: Proposed Richibucto Wind Farm

Hello,

I am writing to notify DND that Natural Forces is proposing to construct one wind turbine near the Town of Richibucto, New Brunswick. The Coordinates for the turbine are NAD 83 UTM Zone 20 355,138 E and 5,168,892 N. The turbine will have a maximum height of 205.5 m.

Please let me know if you require any further information to complete your assessment.

Thank you,

Katherine

Commission de services régionaux de Kent

25, boul. Cartier Blvd, Unit(é) 145
Richibucto, NB E4W 3W7
Tel: (506) 523-1820
Fax: (506) 523-1821



Kent Regional Service Commission

104, boul. Irving Blvd, Unit(é) 1
Boucouteche, NB E4S 3L5
Tel : (506) 743-1490
Fax : (506) 743-1491

AVIS DE DÉCISION

RÉUNION MENSUELLE DU COMITÉ DE RÉVISION DE PLANIFICATION DE KENT

AYANT LIEU LE : Le 15 mai, 2017

NOM DU REQUÉRANT: Amy Pellerin de Natural
Forces

ADRESSE DU REQUÉRANT:

1801 Hollis Street, suite 1205
Halifax, N.S. B3J 3N4

DATE DE LA DEMANDE le 1er mai, 2017

DATE ENVOYÉE: le 16 mai, 2017

NATURE DE LA DEMANDE:

Amy Pellerin de Natural Forces pour Pamela Reidpath désire construire une tour temporaire de soixante (60) mètres de hauteur sur la propriété (PID 25147802) située sur le Boulevard Industriel, à Richibucto.

RÈGLEMENT:

Arrêté de zonage de la ville de Richibucto-04-11

Zone IND-Industrielle

Usages permis

58-(3)-Un usage permis en vertu du présent article ne peut être établi ou mis en œuvre dans l'un ou l'autre des cas suivants :

- b) Il n'est pas exercé dans un bâtiment ou une construction entièrement fermé.

DECISION NOTICE

KENT PLANNING ADVISORY COMMITTEE REGION MONTHLY MEETING

HELD ON: May 15th, 2017

APPLICANT'S NAME: Amy Pellerin from Natural
Forces

APPLICANT'S ADDRESS:

1801 Hollis Street, Suite 1205
Halifax, N.S. B3J 3N4

DATE OF REQUEST: May 1st, 2017

DATE SENT: May 16th, 2017

NATURE OF THE REQUEST PRESENTED:

Amy Pellerin of Natural Forces for Pamela Reidpath wishes to build a sixty (60) meter high temporary tower, on the property (PID 25147802) located on Industrial Boulevard, in Richibucto.

REGULATION:

Town of Richibucto Zoning By-Law-04-11

IND Zone-Industrial

Permitted Uses

58-(3)-No use permitted under this section may be established or conducted:

- b) if it is not conducted in a completely enclosed building or structure.

DÉCISION :

Il est résolu que la demande soit acceptée telle que présentée car les différents organismes consultés sont favorables pour la tour temporaire.

Veillez noter que cet avis de décision n'est pas un permis de construction. Vous pouvez en obtenir un à l'un de nos deux bureaux.



Vincent Daigle
Inspecteur en bâtiment

DECISION:

It is resolved that the request be accepted as presented because all organisations involved were consulted and are in favor of the temporary tower.

Please note that this notice of decision is not a building permit. You can obtain one at one of our two offices.

Vincent Daigle
Building Inspector



Serving a world in motion
navcanada.ca

September 7, 2017

Your file
Richibucto
Our file
17-1726

Mr. Chris Veinot
Natural Forces Wind Inc.
1801 Hollis Street, Suite 1205
Halifax, NS
B3J 3N4

RE: Wind Structures: Wind Turbine - Richibucto, NB
(N46° 39' 48.11" W64° 53' 04.53" / 197' AGL / 220' AMSL)

Mr. Veinot,

NAV CANADA has evaluated the captioned proposal and has no objection to the project as submitted.

The nature and magnitude of electronic interference to NAV CANADA ground-based navigation aids, including RADAR, due to wind turbines depends on the location, configuration, number, and size of turbines; all turbines must be considered together for analysis. The interference of wind turbines to certain navigation aids is cumulative and while initial turbines may be approved, continued development may not always be possible.

In the interest of aviation safety, it is incumbent on NAV CANADA to maintain up-to-date aeronautical publications. To assist us in that end, we ask that you notify us upon completion of construction. This notification requirement can be satisfactorily met by returning a completed, signed copy of the attached form by e-mail at landuse@navcanada.ca or fax at 613-248-4094. In the event that you should decide not to proceed with this project or if the structure is dismantled, please advise us accordingly so that we may formally close the file.

If you have any questions, contact the Land Use Department by telephone at 1-866-577-0247 or e-mail at landuse@navcanada.ca.

NAV CANADA's land use evaluation is valid for a period of 12 months. Our assessment is limited to the impact of the proposed physical structure on the air navigation system and installations; it neither constitutes nor replaces any approvals or permits required by Transport Canada, Industry Canada, other Federal Government departments, Provincial or Municipal land use authorities or any other agency from which approval is required. Industry Canada addresses any spectrum management issues that may arise from your proposal and consults with NAV CANADA engineering as deemed necessary.

Yours truly,

A handwritten signature in blue ink, appearing to read 'G. Adamache'.

Gheorghe Adamache | NAV CANADA
Manager - AIM IFP Service Delivery

cc ATLR - Atlantic Region, Transport Canada



Transport Canada number
Applicant number

AERONAUTICAL ASSESSMENT FORM FOR OBSTRUCTION EVALUATION

SECTION 1

Owner's Name Natural Forces Wind Inc.		Contact Person Chris Veinot	
Address 1205 - 1801 Hollis Street			
City Halifax		Province NS	Postal Code B3J 3N4
Telephone number (999-999-9999) (902) 981-8900	Fax number (999-999-9999)	Email Address cveinot@naturalforces.ca	

SECTION 2

Applicant's Name Natural Forces Wind Inc		Contact Person Chris Veinot	
Address 1205 - 1801 Hollis Street			
City Halifax		Province NS	Postal Code B3J 3N4
Telephone number (999-999-9999) (902) 981-8900	Fax number (999-999-9999)	Email Address cveinot@naturalforces.ca	

SECTION 3

Description of Proposal (or as attached)
To construct one large scale wind turbines with 135m hub height and 141m rotor diameter. The tower is made of a combination of steel and concrete and the blades are made of fiberglass.

SECTION 4

Geographic Coordinates <input checked="" type="checkbox"/> NAD83 <input type="checkbox"/> NAD27 <input type="checkbox"/> WGS84	N Latitude deg 46 min 39 sec 28.49
For multiple structures in a grouping, submit geographical coordinates on a separate spreadsheet (e.g. windfarms, transmission lines)	W Latitude deg 64 min 53 sec 36.25

SECTION 5

Nearest Community Rexton	Province NB
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SECTION 6

Nearest Aerodrome Bouctouche Airport
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SECTION 7

Have you contacted the aerodrome? <input type="radio"/> Yes <input checked="" type="radio"/> No
--

SECTION 8

Notice of <input checked="" type="radio"/> New Construction <input type="radio"/> Change to existing structure

SECTION 9

Duration <input type="radio"/> Permanent <input checked="" type="radio"/> Temporary
--

Transport Canada number

SECTION 10

Proposed Construction Date Beginning (yyyy-mm-dd)
2018-05-01

SECTION 11

Temporary Structure
From date (yyyy-mm-dd) **2018-05-01** To date (yyyy-mm-dd) **2048-05-01**

SECTION 12

Marking and Lighting Proposed (refer to Standard 621)

<input type="checkbox"/> Red lights and paint	<input checked="" type="checkbox"/> Red and M.I. white lights	<input type="checkbox"/> White M.I. lights
<input type="checkbox"/> Red and H.I. white lights	<input type="checkbox"/> White H.I. lights	<input type="checkbox"/> No painting
<input type="checkbox"/> No lighting	<input type="checkbox"/> Paint marking only	<input type="checkbox"/> Other (provide description)

SECTION 13

Monitoring to Standard 621, article 4.7 Visual Inspection Remote indicator

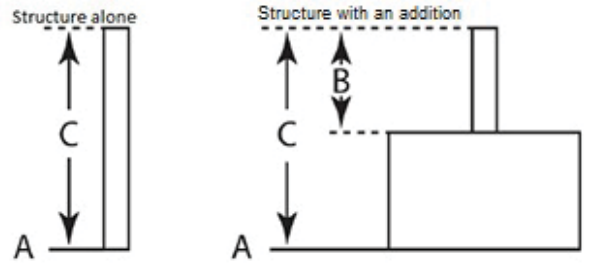
SECTION 14

Catenary/Cable Crossing

<input type="checkbox"/> Paint supporting structures	<input type="checkbox"/> Cable marker spheres	<input type="checkbox"/> Shore markers
<input type="checkbox"/> Support structure lighting	<input type="checkbox"/> Cable marker lights	

SECTION 15

	Feet	Metres
A Ground Elevation (AMSL)		8
B Height of an addition to a structure		
C Total structure height including B (AGL)		200
Overall height (A plus C) (AMSL)		208



SECTION 16

Does the proposal comply with **Airport Zoning Regulations**?
 Yes No N/A
Where the location of the object is on lands affected by **Airport Zoning Regulations**, a legal survey is required with the submittal.

I hereby certify that all the above statements made by me are true, complete and correct to the best of my knowledge. Also, I agree to mark and/or light and maintain the structure with established marking and lighting standards as necessary.

Chris veinot

Name of person filing notice

Signature

2017-02-27

Date (yyyy-mm-dd)

TRANSPORT CANADA ASSESSMENT

Marking and lighting required (as per Standard 621)

<input type="checkbox"/> Lighting Required	<input type="checkbox"/> Marking Required	<input type="checkbox"/> Temporary Lighting Required	<input type="checkbox"/> No Lighting or marking required
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Comments (Transport Canada use Only)

Completion of this form does not constitute authorization for construction nor replace other approvals or permits. See instruction D and E.

Civil Aviation Inspector	Signature	Date (yyyy-mm-dd)
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Note 1: This assessment expires 18 months from the date of assessment unless extended, revised, or terminated by the issuing office.
Note 2: If there is a change to the intended installation, a new submittal is required.



USE AND INSTRUCTIONS FOR COMPLETING FORM

- A. Purpose of Form: The purpose of this form is to assess the need and application of marking and lighting for objects that may pose a hazard to aviation and to determine conformance to ***Airport Zoning Regulations***.
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 - (ii) within 6 km of the centre of an aerodrome;
 - (iii) higher than 90 m AGL within 3.7 km of the centreline of a recognized VFR route such as, but not limited to, a valley, a railroad, a transmission line, a pipeline, a river or a highway;
 - (iv) higher than 150 m AGL at any other location; or
 - (v) a component of a catenary wire crossing where any portion of the wires or supporting structures exceed 90 m AGL;
- C. Supporting Data and Documents
- (i) a 1:50,000 scale map, or the most detailed map available showing ground contour elevations to allow determination of the structure's latitude and longitude.
 - (ii) sketches, plans or blueprints for structures other than radio or TV antennae.
- D. This form does not constitute authority for construction.
- E. This form neither constitutes nor replaces any approvals, permits or assessments required by NAV CANADA, Industry Canada, other Federal Government departments, Provincial or Municipal land use authorities or any other agency from which approval/assessment is required.
- F. Completed applications are to be forwarded to the applicable Transport Regional office listed in Appendix A.
- G. A separate application is to be submitted to NAV CANADA. For a detailed description on NAV CANADA's requirements and additional information, refer to the NAV CANADA Land Use Proposal website at www.navcanada.ca
- H. If the proposed construction does not take place, notification is sent to Transport Canada.

Abbreviations

AMSL	Above Mean Sea Level
AGL	Above Ground Level
M.I.	Medium Intensity
H.I.	High Intensity
VFR	Visual Flight Rule

USE AND INSTRUCTIONS FOR COMPLETING FORM (continued)

Section 1 – The Owner of the structure who is responsible for installation of marking and lighting. Include name, address and phone number of a personal contact point as well as the company name.

Section 2 – The Owner's representative who is making application, if other than Section 1 Include name, address and phone number of a personal contact point as well as the company name.

Section 3 – Provide a narrative description of the proposal

- (a) – MANDATORY - Indicate the type of structure. (e.g. antenna, crane, building, power line, landfill, water tank, wind farm, moored balloon, kite, catenary/cable crossing, etc.)
- (b) – For overhead wires or transmission lines, include size and configuration of wires and their supporting structures (Attach depiction).
- (c) – For each pole/support, include coordinates, site elevation, and structure height above ground level or water. For buildings, include site orientation, coordinates of each corner, dimensions, and construction materials. For alterations, explain the alteration thoroughly.
- (d) – For a proposed wind farm, include a spreadsheet with Turbine ID, geographic coordinates (in minutes, degrees and seconds), height above ground, and ground elevation.
- (e) – For existing structures, thoroughly explain the reason for notifying Transport Canada (e.g. corrections, no record on file with Transport Canada or previous study, etc.).
- (f) – For Catenary crossings, the geographic coordinates for all pertinent support structures are provided along with heights AMSL and AGL including the height of wires above ground or water level.
- (g) – If available, attach a copy of a documented site survey with the surveyor's certification stating the amount of vertical and horizontal accuracy in feet.
- (h) - Description of surrounding environment and structures. Provide photographs of the area of intended installation.

Section 4 – Latitude and longitude must be geographic coordinates, to within the nearest second or to the nearest hundredth of a second if known. For accuracy of the measurement refer to the International Civil Aviation Organization (ICAO) Annex 15 *Aeronautical Information Services*. For multiple structures in a grouping, submit geographical coordinates on a separate spreadsheet (e.g. windfarms, transmission lines)

Section 5 – Enter the name of the nearest community, city or town to the site. If the structure is or will be in a community, enter the name of that community.

Section 6 – Enter the name of the nearest aerodrome.

Section 7 – It is recommended that the nearest aerodrome be contacted to resolve any difficulties that the installation may pose to aerodrome operations.

Section 8 – (a) – New Construction would be a structure that has not yet been built.

- (b) – Alteration is a change to an existing structure such as the addition of a top mounted antenna, a change to the marking and lighting, a change to power and/or frequency, or a change to the height. The nature of the alteration is included in Section 3 "Description of Proposal".
- (c) – Existing would be a correction to the latitude and/or longitude, a correction to the height, or if filing on an existing structure which has not been assessed. The reason for the notice is included in Section 3 "Description of Proposal".

Section 9 – A temporary structure would be such as a crane or drilling derrick.

Section 10 – Enter the date for the start of construction.

Section 11 – Enter the time period during which the temporary structure will be in place.

Section 12 – Refer to Standard 621 for requirements of marking and various lighting systems.

Section 13 – Indicate the means that will be used to monitor the status of the lighting and identify the occurrence of a failure.

Section 14 – Indicate the form of marking and lighting that is proposed for the catenary crossing.

Section 15 – **A** – Enter the ground elevation AMSL expressed in metres and feet. This data should match the ground contour elevations for site depiction submitted under Section 3.

B – Enter the height of the object if it is an addition to an existing structure. The height will determine the need for lighting of this object and may affect the heights of intermediate levels of lighting on the structure.

C – Enter the total structure height AGL in metres and feet. The total structure height includes anything mounted on top of the structure, such as antennae, obstruction lights, lightning rods, etc, in addition to the structure itself.

Enter the overall height AMSL. This will be the total of **A** plus **C**.

Section 16 – The survey done by a licensed surveyor attests the conformance of the object height to airport zoning surfaces for the given location.